

**QUEENS COLLEGE OF
CUNY
1993-94 COLLEGE CATALOG**

- **Catalog conversion notes**



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by Career Guidance Foundation

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CALENDAR

FALL 1993

In addition to the official academic calendar, listed below are dates and deadlines that may be important for you to remember. To assist you in locating these entries, they are printed *italics*.

August 27--Friday	<i>Last day to drop courses with no tuition liability</i>
28--Saturday	First Day of Classes
September 3--Friday	<i>Last day to drop courses with 25% tuition liability</i>
6--Monday	Labor Day--college Closed
13--Monday	<i>Last day to drop courses with 50% tuition liability</i>
14--Tuesday	Follow Friday schedule
15-17--Wednesday-Friday	No classes or related events scheduled
23--Thursday	<i>Last day to drop courses with 75% tuition liability</i>
24--Friday	<i>Beginning of P/NC and unevaluated withdrawal period*</i>
25--Saturday	No classes or related events scheduled
October 1--Monday	Columbus Day--College Closed
November 1--Monday	<i>Last day of P/NC and unevaluated withdrawal period*</i>
23--Tuesday	Follow Thursday schedule
25-27--Thursday-Saturday	Thanksgiving Recess
December 14--Tuesday	Last Day of Classes
15--Wednesday	Reading Day
16-23--Thursday-Thursday	Fifteenth Week--including final exams

SPRING 1994

January 29--Saturday	First Day of Classes
February 11--Friday	Lincoln's Birthday--college Closed
21--Monday	President's Day--college Closed
March 28-April 2--Monday-Sat	Spring Recess
May 17--Tuesday	Follow Friday schedule
18-19--Wednesday-Thurs	Reading Period
20-27--Friday-Friday	Fifteenth Week--including final exams
June 2--Thursday	Commencement

The calendar for the 1994-95 year was not available at the time this *Bulletin* went to press.

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QUEENS COLLEGE TODAY

Queens College/City University of New York

Flushing, New York 11367

718-997-5000

Shirley Strum Kenny, President

Queens College, called "World Class" by the London *Times*, is dedicated to the idea that a great education should be accessible to talented young people of all backgrounds - ethnic and financial. It is a global gathering place for ideas. The College's colorful kaleidoscope of tongues, talents, and cultures - 66 different native languages are spoken here provides an extraordinary educational environment. A strong liberal arts curriculum assures students education for a full career and a full life. Opportunities abound with special programs developed for honors students; students in pre-law, pre-med, and business; adults; "fresh start" students; foreign language speakers.

In all their diversity, students come first. Queens College was cited by *The Selective Guide to Colleges*, published by the *New York Times*, as the strongest of the 19 colleges in the City University of New York. Like other CUNY colleges, it is a commuter school. Funded by the State of New York, Queens College serves all the people of the state. Most Queens College students live in New York City's five boroughs, or in Nassau, Suffolk, and Westchester counties.

The campus is located at Exit 24 of the Long Island Expressway (I-495) on the corner of Kissena Boulevard in Flushing, close to public transportation (the Long Island Railroad, and Queens and New York City bus and subway lines).

Enrollment

The student population is diverse and achievement oriented. More than 18,000 students are enrolled in all divisions. The graduate student enrollment is over 3,000.

Student Achievement

Recent graduates have won fellowships, scholarships, and assistantships for study at many of the country's leading graduate schools, including Harvard, Yale, Northwestern, Emory, and MIT. A number of Queens College students received special awards for graduate study, most notably two recent Salk Fellowships.

Over the years, Queens College students have had an acceptance rate to medical schools of 60 to 75 percent.

Faculty

The faculty is a roll-call of excellence world-class research scholars who care deeply about teaching. For day and evening, including adjuncts, the faculty numbers over 1,100; of the 600 full-time faculty, more than 80 percent hold the doctoral degree.

Research

Recent awards to support faculty research have included grants from New York State agencies to support ethnic studies projects and day-care training services, as well as the establishment of a Reference Resource Center for the New York State Department of Social Services. Federal grants facilitate the conduct of many basic research projects in the sciences, some with important implications for causes and treatment of disease.

Undergraduates are often deeply involved in Queens College projects, working in laboratories, classrooms, or in the field. Because of the diversity of ongoing research and training efforts, students are able to participate in and gain important insights into potential career paths and to prepare for further graduate training.

Academic Structure

Queens College consists of an undergraduate day session (College of Liberal Arts and Sciences), an evening session, and a Graduate Division. In addition, there is a Summer Session that serves all branches of the College. There are three academic divisions: Arts and Humanities, Mathematics and Natural Sciences, and Social Sciences.

The Division of the Arts and Humanities includes the departments of Art; Classical and Oriental Languages; Communication Arts and Sciences; Comparative Literature; Drama, Theatre, and Dance; English; Germanic, Slavic, and East European Languages; Library; Linguistics; Romance Languages; and the Aaron Copland School of Music.

The Division of Mathematics and the Natural Sciences includes the departments of Biology; Chemistry and Biochemistry; Computer Science; Geology; Health and Physical Education; Home Economics; Mathematics; Physics; and Psychology.

The Division of the Social Sciences includes the departments of Accounting and Information Systems; Anthropology; Economics; History; Philosophy; Political Science; Sociology; Special Programs (SEEK); Student Personnel; Urban Studies; the Graduate School of Library and Information Studies; and the School of Education, composed of Elementary and Early Childhood Education and Services; Secondary Education and Youth Services; and Educational and Community Programs.

Degrees

Queens College offers the Bachelor of Arts (a four-year, 128-credit degree); Bachelor of Science in Geology and Physical Education; Bachelor of Fine Arts; Bachelor of Music; Master of Arts; Master of Arts in Liberal Studies; Master of Fine Arts; Master of Science in Education; and Master of Library Science; as well as combined B.A.-M.A. degrees in anthropology, chemistry, music, philosophy, physics, and political science.

Facilities

The College's campus proper consists of over 20 buildings on 76 acres; the campus is lined with trees surrounding grassy open spaces. Some of the original stucco and-tile buildings from the early 1900s still stand, contributing to the pleasantly eclectic style of the campus. A major building program begun by former President Saul Cohen and continued by President Shirley Strum Kenny includes greatly expanded classroom and research facilities, as well as spaces for varied campus activities. For example, facing Melbourne Avenue is the new Science Building, which houses laboratories and offices for five science departments. At the western edge of the Quadrangle is the Benjamin Rosenthal Library. Adjacent to Colden Center and facing Reeves Avenue is the Music Building. The renovated Klapper Hall recently became home to the Art and English Departments as well as the Godwin-Ternbach Museum. On the southern end of the Quad is the newly renovated Lloyd Delany Hall. West of the Library is an expanded parking facility as well as various rebuilt athletic fields.

In addition to building additions and renovations, the College's grounds are continuously being made safer and more accessible through the repaving of sidewalks and roadways, improved site security lighting, a new Security Building, improvements in King and Rathaus Halls, an addition to the Heating Plant, accessibility for the disabled, infrastructure rebuilding of the fire alarm and electrical distributions, a state-of-the-art telephone network, reduction of cross-campus vehicular traffic, and horticultural improvements.

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Academic Computer Center Academic and personal computing services are administered through the Academic Computer Center (ACC) on the first floor of I Building. (By 1994 renovation of the second floor will be completed and computer classrooms will be moved there.) User facilities managed by the ACC are located in the Science Building, Rosenthal Library, and T-I Building. The facilities are used by over 3500 students, faculty, and staff for instructional and research computing.

Two large centralized computing systems are available: the Digital Equipment Corporation VAX systems, located on campus in the ACC, and the University Computer Center IBM systems, located on West 57 Street in Manhattan.

The DEC systems include a VAX 6000-420, which runs the VMS operating system, and a VAX 8600, which runs the Ultrix (Unix) operating system. The systems share nearly five gigabytes of disk storage, several tape drives, line printers, and a laser printer. A wide range of programming languages, statistical packages, graphics software, and specialized application software is available.

The University Computer Center (UCC) system includes an IBM 3090 Model 400E with two vector processors running the VM/ESA operating system with CMS, and an IBM 3081KX running MVS/XA with WYLBUR and JES3. A large array of IBM disk and tape drives is available. The UCC maintains a comprehensive library of programming languages and applications packages for all disciplines.

The Center operates a data communications network, QCNET, which allows a user at any of the on-campus terminals to access any of the central computer systems. This network can also be accessed via dial-up ports. The College is a member of BITNET and NYSERNET. BITNET allows users to communicate with systems at academic institutions worldwide through either UCC or the VAX cluster. NYSERNET links universities, super computing facilities, and industrial research centers in New York State and serves as a high-speed gateway to the internet and other national computing networks.

Extensive microcomputer facilities are available. Those located in the Science Building and Library are managed by the Academic Computer Center. Others are operated by various departments and divisions. Systems include IBM PCs, XTs, ATs, PS/2s, and compatibles and Apple Macintosh SEs and IIs. Numerous dot-matrix printers are available, as are laser printers, text and graphics scanners, plotters, and CD ROM readers. A wide range of software is provided.

Services provided by the Academic Computer Center include consulting, documentation, seminars and workshops, a self-paced instruction lab, two Information Centers, documentation libraries, a newsletter, and computer loans. A variety of support services for personal computer users including pre-purchase consulting, installation assistance, and troubleshooting - is also offered.

The Administrative Computer Center (Dining Hall Complex, Room 150) provides all information-processing services to the administrative staff. In addition, it supports faculty processing through the campus communications network. Constructed and opened in 1982, the Center was substantially upgraded in 1985 with the installation of Hitachi Data Systems Model 8023 mainframe computer with state-of-the-art peripherals. This equipment enables the Center to meet the needs of the College administrative community.

In addition to the normal information processing services, the Center provides comprehensive faculty support in processing student examinations, student evaluations, and other student-related services.

Colden Center for the Performing Arts, which opened in September 1960, contains the 2, 143-seat Colden Auditorium and the 476-seat Queens College Theatre. Both venues have facilities for presentation and instruction in the performing arts. The complex also houses the Gertz Speech and Hearing Center and two academic wings: Karol Rathaus Hall and Rufus King Hall.

FitzGerald Gymnasium, completed in 1958, houses the Health and Physical Education Department office, the Health Service Center, and the office of the Director of Athletics, Intramurals, and Recreation. The main gymnasium measures 225 feet by 194 feet. There are also an auxiliary gymnasium, individual sports areas, a swimming pool, classrooms, dance studios, and applied physiology research laboratories. Adjacent to the gymnasium are outdoor physical education facilities, which include 18 composition tennis courts, a quarter-mile track, ball fields, and other teaching and recreation facilities. In 1991 the soccer, lacrosse, and baseball fields were upgraded as part of the construction of a parking facility. Plans are under way for construction of an air-supported structure over six composition tennis courts.

Historical Documents Collection consists of various New York Supreme Court records (1840-1910), including divorce and business papers. It is accessible only by appointment with Professor Leo Hershkowitz (997-5378).

The Horace Harding Building, located on Horace Harding Expressway approximately a half mile from the campus, houses the offices of Development, Purchasing, Accounting, Payroll, the Center for the Biology of Natural Systems, Art Studios, and the Robert Morris Papers Research Office.

Jefferson Hall, one of the original campus buildings, houses the offices of the Registrar, Bursar, Placement Center, Undergraduate Scholastic Standards Committee, other administrative departments, and several area studies offices. An elevator and handicapped facilities were recently added to Jefferson Hall.

Kiely Hall, opened in Spring 1968, houses the offices of the President, Provost, the Dean of the Faculty for the Arts and Humanities, the Assistant Provost, the Vice President for Administration, Adult Collegiate Education (ACE), English Language Institute, Summer Session, and Continuing Education Program. The second floor includes the Child Development Center. Department offices for foreign languages, mathematics, comparative literature, and film studies are also located here, in addition to the Academic Skills and Resource Center, the Individualized Learning Laboratory, the Office of Special Services, and the Office of Admissions.

Kissena Hall, across from the campus on Kissena Boulevard, houses the departments of Linguistics and Sociology as well as some area studies and administrative offices, including the Office of the Dean of Experimental Programs.

Klapper Hall reopened in Fall 1992 after being extensively renovated. It now houses the Art and English departments and the Godwin-Ternbach Museum

The Benjamin S. Rosenthal Library, which opened in Spring 1988, includes innovations in space configuration and information retrieval. The distinctive Chaney-Goodman-Schwerner clock tower, which is dedicated to the memory of three civil rights workers who were murdered in Mississippi during the Freedom Summer of 1964 (one of whom, Andrew Goodman, was a Queens College student), is a landmark for the community. The tower also houses the Queens College Bells, five beautifully crafted instruments that chime each quarter hour.

The Library maintains a carefully selected collection of print and non print material including approximately 573,000 books, 4,000 current periodicals, and pamphlet files. There also is an extensive collection of microform material. In addition, the Library is a selective depository for many United States government publications. A reference area contains materials for research on a wide range of social science, humanities, education, and science topics. The Library houses significant collections of specialized materials:

Library Resources include art slides, exhibition catalogs, and a picture collection.

Education Materials. Special holdings include juvenile books, school textbooks, curriculum materials, filmstrips, records, cassettes, pictures, teaching aids, and pamphlets. The education collection also includes college catalogs, a career file, the complete ERIC documents, and a large number of standardized tests.

Musk Library. The Music Library, located in the new Music Building, has a collection of music scores and phonograph records both for listening in the Music Library and for home rental.

ROSENTHAL LIBRARY SERVICES

Reference. Professional librarians are always available to assist students and faculty in the use of the Library's resources and to answer research questions.

Circulation. Books are charged out with a current Queens College ID card. In order to validate the ID card for Library use, a student should bring his or her validated ID card to the Circulation Desk in the Library, where a unique zebra label will be affixed to it. An open-access program enables Queens faculty and students to use most other CUNY libraries.

Reserve Library. The Reserve Library contains books and pamphlets assigned as required readings by an instructor.

Interlibrary Loan. Through Interlibrary Loan, patrons can borrow books, theses, and periodical articles that are not available at Queens College. For further information, contact that office at 997-3704.

Instructional Services. Orientation tours are available on a regular schedule. Course-related bibliographic instruction in a variety of subject areas is available on request for class groups, day or evening. A formal credit course in basic library research is offered each semester.

Disabled Students. In cooperation with the Office of Disabled Students, the Library offers special orientation sessions and services for handicapped students on campus.

Photocopying. Card-operated photocopying machines are available throughout the Library. The cost to photocopy is 10 cents a page. (Photocopying services are also available in the basement of the Student Union Building.)

The Aaron Copland School moved into the new Music Building in Fall 1991. The building includes a 500-seat recital hall with tracker organ, a smaller recital hall, classrooms surrounding a central enclosed atrium, practice rooms and rehearsal studios, a music library, expanded electronic music studio, music education facilities, and a recording studio.

The Science Facility, opened in 1971, houses physics and psychology research and instructional laboratories, classrooms, and faculty offices. A new central air-conditioning system has significantly improved air-conditioning throughout the building.

The Science Building was completed in 1986 and houses offices, laboratories, classrooms, and lecture halls for the departments of Physics, Psychology, Computer Science, Biology, Chemistry and Biochemistry, and Geology. Its distinctive appearance won a prize from the Queens Chamber of Commerce.

Non-print Educational Researches at Queens College. The College, through the Center for Instructional Media Support, offers a wide variety of learning resources to enrich students' educational experiences. Film, multi-media, and videotape presentations are featured in many courses and in support of programs such as Film Studies.

The state-of-the-art Individualized Learning Resources Laboratory in Kiely 226 has interactive media facilities for students working on language skills, as well as many other academic disciplines. It also provides playback services for students who wish to review lectures or programs that have been videotaped.

Powder maker Hall, including Persia Campbell Dome, opened in 1962 and contains classrooms and faculty and department offices for education and the social sciences. The offices of the Dean of Students, the Dean of the School of Education, the Office of Graduate Studies and Research, Financial Aid, Graduate Admissions, and the Dean of the Faculty for the Social Sciences are located here.

The Queens College Dining Hall, opened in Fall 1962 and later expanded, contains cafeterias, a faculty dining room and lounge, committee luncheon rooms, and rooms for formal use. The College Bookstore and the administrative computer are located in the west wing.

Remsen Hall, a science building and the first of the College's newer buildings, opened in 1950. It contains Chemistry and Biochemistry and Home Economics Department offices, laboratories, lecture halls, testing rooms, classrooms, and demonstration facilities. The office of the Dean of the Faculty for Mathematics and the Natural Sciences is located here.

G Building is a newly remodeled building, reopened in Summer 1988. It provides office space for the faculty of the Department of Communication Arts and Sciences. Plans are also under way to provide facilities for an international satellite communication access system, film studio, and sound studio.

T- 1 Building houses computer equipment;

T-3 Building is the home of the Urban Studies Department, the Asian/American Center, LEAP, the Michael Harrington Center, and Community Studies.

Gertz Speech & Hearing Clinic. The Clinic is located in the Colden Center Building on campus.

Lloyd Delany Hall (formerly D Building) was beautifully renovated in 1991 and now houses the SEEK Program, Honors in the Western Tradition, and a number of other classrooms and activities.

CUNY Law School. In Fall 1986 the Law School moved from its temporary quarters to the new building at the western edge of the campus, facing Main Street. The \$12 million, fully air-conditioned and soundproof facility includes the latest innovations in computer information processing and retrieving.

Parking Facilities. In 1985 new parking fields were opened on Reeves Avenue. In 1990 parking field 3, adjacent to the Music Building, was reopened. In 1991 a roofing deck structure was constructed at the western end of the campus near Rosenthal Library. Plans are in progress to convert this roofing deck structure into new parking spaces for at least 400 cars. For the location of department and administrative offices and other points of interest, consult the directory and map in the back of this *Bulletin*.

Accreditation

Queens College is approved by the State of New York and the Middle States Association of Colleges and Secondary Schools. The American Association of Colleges for Teacher Education includes Queens in its list of member colleges.

Governance Academic Senate

The Academic Senate is the chief legislative body of the College, responsible, subject to the Board of Trustees, for the formulation of policy relating to the admission and retention of students, curriculum, granting of degrees, campus life, and the nomination of academic (full) deans. It also establishes rules governing the use of the College name by organizations and clubs, and conducts all educational affairs customarily cared for by a college faculty.

Although the minutes of the meetings constitute the official record of Academic Senate decisions, the *Policy Book* serves as a handy compendium of rules, regulations, and Policies.

The Academic Senate Charter, as modified in Fall 1977, provides for a membership of 60 faculty and 30 students. In addition, there are *ex officio* members, including the College president, who have all the privileges of membership except voting and holding office. Faculty representatives serve for two years, student representatives for one year. Elections take place during the Spring semester. Student representatives are elected by the student body from among undergraduate students (who have a cumulative index of at least 2.0 and are not on probation) and graduate students (who have a cumulative index of at least 3.0 and are not on probation). All full-time members of the faculty with the rank of professor, associate professor, assistant professor, instructor, and lecturer may vote for the faculty representatives.

Much of the Academic Senate's work is done by committees composed of an equal number of students and faculty. These committees prepare proposals for the Senate in such areas as curriculum, scholastic standards, and campus affairs. All students and members of the instructional staff (professorial titles, lecturers, instructors, deans, HEOs, registrars, business managers, etc.) are eligible to serve as voting members on these committees.

The Academic Senate meets on the second Thursday of each month from October through May. Meetings are held in Kiely Hall 170 and are open to all members of the College community faculty, staff, and students - and all have the right to participate in discussion. A complete description of the Academic Senate, including the apportionment of representatives and the duties and composition of Senate committees, is available in the office of the Academic Senate in Kiely Hall 810.

Presidents

- Paul Klapper 1937-1948
- Margaret V. Kiely 1947-1949
(Acting)
- John J. Theobald 1949-1958
- Thomas V. Garvey 1956-1958
(Provost)
- Harold W. Stoke 1958-1964
- Harold C. Syrett 1964
(Acting)
- Glenn W. Howard 1964-1965
(Administrative Head)
- Joseph P. McMurray 1965-1971
- Joseph S. Murphy 1971-1976
- Nathaniel H. Siegel 1977-1978

(Acting)

Saul B. Cohen 1978-1985

William Hamovitch 1985
(Acting)

Shirley Strum Kenny 1985

The Curriculum:

To Develop the Whole Person The College's original curriculum was planned by its first president, Dr. Paul Klapper, after the liberal arts model of the University of Chicago: allowing for the development of the whole person through a required sampling of the humanities, social sciences, sciences, language, and the arts; a more intensive preparation in some one subject; and freedom of choice in a third group of courses.

In 1963 under President Harold W. Stoke, in 1970 under President Joseph R McMurray, and in 1971 under President Joseph S. Murphy, the undergraduate curriculum was changed to reduce, and allow for more flexibility in, the required part of the program. An experimental program begun in 1971 eliminated all College wide requirements except proficiency in English. In 1976 the Academic Senate voted to require that entering students fulfill a minimum of basic skills and distribution requirements.

Under President Saul B. Cohen in 1980, the Academic Senate voted to institute new College wide academic requirements that apply to all new undergraduate students as of Fall 1981, and which provide for a reinvigoration of the tradition of a well-rounded liberal arts education. Thus, reemphasize on development of the whole person has become the curriculum objective of the College, in pursuit of its primary mission.

Mission

Disci's ut serviamus, "We learn so that we may serve," is the motto of Queens College and expresses well the College's mission to its urban community and beyond. For qualified students of varying ages and backgrounds, the College offers a full set of undergraduate programs coordinated so as to promote the broadening enlightenment at which liberal education aims; it also offers a wide variety of programs in graduate and professional fields for those who wish to pursue more specialized studies. With a faculty distinguished as teachers and recognized in their respective disciplines, the College strives to furnish opportunities for learning, to advance human knowledge and experience through research and other forms of creative endeavor, and to work with the community in matters of compelling public interest. A fundamental dimension of the College's mission is to foster understanding - understanding of oneself, of other individuals, of human civilization, and of the natural world - in the interests both of wise action and of a richer personal life. Intellectual autonomy, soundness of judgment, respect for fact and rational principle, articulate expression, aesthetic refinement, and generosity of spirit are hallmarks of the liberally educated and are prime goals of the curriculum at Queens.

It is of particular concern to the College that its students learn to appreciate the cultural heritages of humankind, the accumulated wisdom of the species about itself and the world. This is essential to a judicious perspective on issues that arise today and to a just estimate of new developments occurring in the many regions of human inquiry and creativity. As the faculty seek in their scholarship to clarify and renew cultural traditions - while also exploring fresh avenues of investigation so our students are encouraged to examine the past, as well as the present, in readying themselves to cope with the future. The College is dedicated to the proposition that learning of this kind is the best preparation for serving, for meeting one's responsibilities generally as an individual and as a citizen.

The College agrees wholeheartedly with the objectives of the City University of New York: it seeks quality and diversity in its faculty and student body; it strives to extend the frontiers of learning and to develop critical thinking; it supports a wide variety of academic offerings; and it affirms its commitment to the value of a strong liberal arts education.

The College and the Community

A municipal college funded by the State of New York, Queens College is particularly aware of its mission in the broader community. College-community services include Continuing Education courses and lectures; Student Union facilities and programs; exhibits in the Art Center, the Godwin-Ternbach Museum, and the gallery in Kiely Hall; and plays, concerts, dance recitals, and other cultural and educational programs presented in Colden Auditorium and the Queens College Theatre. A number of specialized programs that serve the community and in which the community can participate are described in this section.

The Queens College Choral Society is open to members of the community and to the students and the staff of the College. The Society makes accessible to the public the cultural benefits of participating in the performance of great works of choral music. There are two concerts annually: Winter and Spring. In these performances the Choral Society is assisted by the Queens College Orchestra. Rehearsals are held every Wednesday evening when the College is in session.

The Godwin-Ternbach Museum in Klapper Hall is a teaching museum with a permanent collection of 2,500 works of art in all media from antiquity to the present. The Museum presents three to five exhibitions a year and holds lectures, workshops, and tours that are open to students and the public.

The Queens College Speech and Hearing Center, operated by the Department of Communication Arts and Sciences, is located in the Samuel Gertz wing of Colden Center. Among its services are diagnostic speech, language and hearing evaluations, and speech and language therapy. Its facilities are used for research and to provide clinical practice experience for students who wish to become speech language pathologists and audiologists.

Funds are contributed by friends of the College, who have organized the Queens Speech and Hearing Service Center, Inc., and by individuals who make direct contributions to the Speech and Hearing Center. These funds are used primarily to provide scholarships for anyone unable to afford the established fees. For information, phone 520-7358.

The Center for the Biology of Natural Systems conducts research on energy, pollution, and resource problems of urban ecosystems. Its staff collaborates with College faculty, students, and local community groups to investigate problems such as the environmental impact of alternative municipal trash disposal systems, alternative solutions to the problem of dependence on non-renewable fuels, the health effects of dioxin, and the eutrophication of water supplies from agricultural sources. Professor Barry Commoner is the director of the Center, located at 163-03 Horace Harding Expressway. For information, call 670-4180.

The Center for Environmental Teaching and Research offers facilities such as classrooms, laboratories, and dormitories. The Center is used for courses in the arts, the sciences, and the social sciences, for faculty and student research, and for day and overnight school groups wishing to study the environment. In addition to environmental studies, the Center is used for conferences and seminars. The Center is located in Caumsett State Park on Lloyd Neck in Huntington, Long Island.

The Asian/American Center (A/AC), founded in 1987, is dedicated to the development of community-oriented research to analyze the multicultural diaspora experience of Asians in North, Central, and South America and the Caribbean. The Center seeks knowledge that is rooted in local community experience and emphasizes an interdisciplinary cultural studies approach. The A/AC is concerned with returning this knowledge back to the communities it is about, thereby enriching our understanding of everyday life and the impact of social policy. For more information, contact the director, Professor John Kuo Wei Tchen, at 997-3050.

The Center for Byzantine and Modern

Greek Studies is designed to promote Byzantine and neo-Hellenistic scholarship and publications, support and coordinate the teaching of Byzantine and modern Greek subjects at Queens College, and relate academic research and teaching to the needs of the Greek community of Queens and beyond. Publications of the Center include *Essays on the Cyprus Conflict*, edited by V. Coufoudakis (1976);

Foreign Interference in Greek Politics: An Historical Perspective by T.A. Couloumbis, J.A. Petropoulos, and H.J. Psomiades (1976); *Greek American Relations: A Critical Review*, edited by T.A. Couloumbis and J.O. Iatrides (1980); *The Greek-American Community in Transition*, edited by H.J. Psomiades and A. Scourby (1981); *Education and Greek Americans: Process and Prospects*, edited by H.J. Psomiades, S. Orfanos, and J. Spiridakis (1987); and *Greece, the New Europe, and the Changing International Order* edited by H.J. Psomiades and S. Thomadakis (1992). The Center also publishes an annual, *Journal of Modern Hellenism*, which first appeared in 1984. Information about the Center and special events is available from Professor Psomiades in Jefferson Hall 301 (997-4520).

The Center for Jewish Studies promotes scholarship, conferences, seminars, and publications connected with the various disciplines related to Jewish Studies. It brings together humanists, social scientists, theologians, and others pursuing research and sharing an interest in Jewish Studies and provides a means for the cross-fertilization of ideas and dialogue. The Center enriches and supports the teaching of Jewish Studies in the New York area and creates a vital scholarly arena in which faculty and students can be exposed to various streams of thought. It also acts as a link to other institutions involved in Jewish Studies through mutual projects and research interests. Information about the Center and special events is available from the director, Professor Elisheva Carlebach, at 997-4530.

Campus Ministry: Hillel, Lutheran, Catholic, and Greek Orthodox

The Queens College Campus Ministers is an association of the Hillel, Lutheran, Catholic, and Greek Orthodox ministries on campus. Its purpose is to foster harmony among religious traditions and to join in campus efforts to promote spiritual and ethical growth. The campus ministers serve as a resource for religious and ethical information and insight for the academic and the wider Queens community.

Individually, the four religious centers serve the needs of their constituents on campus. The Hillel/JACY Jewish Center (Student Union 206; 793-2222, 520-7834) provides religious, cultural, and social programming, counseling, and outreach for Jewish students, faculty, and staff. The Lutheran/Protestant Center (Student Union 203; 261-1550) welcomes students, faculty, and staff from the various Protestant denominations for worship and Bible study, counseling, and a variety of programs. The Catholic Newman Center (Student Union 207, 208; 793-3130, 5207823) provides a ministry of worship and pastoral outreach to the Catholic community on campus. The Greek Orthodox Center is located in Room 209 of the Student Union. All unaffiliated students, faculty, and staff are welcome to participate in the activities of the various centers.

Cooperative Education and Internships works with individual students to integrate classroom learning with work or field experiences. For more information, see page 33.

The Queens College Center for the Improvement of Education is involved with innovation, implementation, and research in curriculum design, administration, and effective school/family/community relationships. The Center conducts experimental projects and collects and analyzes data on the creative, intellectual, emotional, and physical growth of preadolescent and early adolescent children in order to seek ways to improve instruction in the middle grades. Recently it has extended its interests to include all grades and has established partnerships with elementary, middle, junior high, and high schools. The Center has offices in the Louis Armstrong Middle School in East Elmhurst, Queens, and in the School of Education. It publishes *CONNECTIONS*, an educational periodical, along with occasional papers and monographs. Professor Paul Longo is the director (997-5506).

The School of Education Children's Program offers Saturday and Summer classes for children ages 5 through 13. There is also a class for pre-school youngsters. A rotating curriculum includes instruction in a wide variety of areas ranging from art to zoology. Besides serving as a valuable asset to the community, the Children's Program provides a research resource for the School of Education, as well as a facility for student participation and observation. Dr. Monroe Cohen is the director (997-5434).

The Office of Technology in Education, run by the School of Education, has teaching laboratories in Powder maker Hall. Concerned with the impact of contemporary technology on the classroom, it conducts experimental classes for public school students and teachers on and off campus, monitors developments in educationally appropriate technology, and develops curriculum materials associated with microcomputer use, communication systems, and data retrieval. The Office, through its research, teaching, and associated activities, supports the pre-service and in-service training components of the various departments within the School of Education. For information, see Professor Daniel Brovey (PH 02), 997-5435.

Townsend Harris High School at Queens College

The College's Office of College Preparatory Programs works in partnership with the New York City Board of Education on a number of projects in association with Townsend Harris High School at Queens College. It is involved in research and publishing projects, training programs, and workshops for college and high school teachers, and runs the "Bridge Year" program, which includes a year-long team taught course at the College for Townsend Harris seniors. The Office welcomes all members of the College community to make inquiries and suggest projects. Ron Scapp is the director (Delany Hall, Room 301,997-3175).

Queens College Upward Bound Program is a federally funded college preparatory program designed to provide economically disadvantaged ninth-, tenth-, and eleventh-grade students with the basic skills and motivation necessary for success in post-secondary education. For more information, see page 34.

The Training and Resource Center for Economic Education, operated jointly by the Department of Secondary Education and Youth Services and the Department of Economics, offers a program of seminars, forums, and courses for teachers, administrators, and community leaders in building a better understanding of economics and economic education. Programs are designed on both the theoretical and practical levels to meet economic issues and to aid economic decision-making on a daily basis. The Center also conducts studies of economic understanding and serves as a clearinghouse for research in economics that has particular application to schools. See Professor Jack Zevin (Powder maker 186) or Professor Hugo Kaufmann (Powder maker 300E).

The Michael Herrington Center for Democratic Values and Social Change is a public, nonprofit, policy research, educational, and advocacy organization established by Queens College in 1989. In addition to carrying out analysis, the Center initiates projects that can be reproduced by others with the hope of shaping local and national Policies in relevant areas. While the Center's activities have an international component, its main concentration is on issues relevant to the United States. The Center publishes a newsletter and a working papers series. For more information, contact Professor Raymond Franklin at 997-3070.

The Center for the New American Workforce, approved by the Board of Trustees in May 1991, is devoted to making diversity work in corporate America. The Center is a preeminent resource for information collection and dissemination as well as a forum for the exchange of information and a catalyst for practical and productive change in the workforce. For more information, contact the director, Dr. Sylvia Wagon helm, at 997-5898.

The Center for Labor & Urban Programs, Research & Analysis provides a program of research related to patterns in the American labor force, with particular emphasis on issues dealing with labor markets, labor relations, and standards of living. The Center studies the linkage between work and education in urban settings, as well as economic development issues with respect to the utilization of human resources. Researchers investigate areas of employment projected to grow in the future and try to identify industry and occupational trends and their skill requirements. For information, contact Professor Herbert Bienstock at 997-5935.

The Labor Resource Center provides labor-related resources and educational services to the College, the public, and the labor community. It collects, prepares, and distributes educational material as well as promotes discussion and debate on labor issues. For more information, contact the director, Professor Gregory Mantsios, at 997-3060.

The Council for the Study of Ethics and Public Policy sponsors activities addressing controversial issues of current public interest, such as nuclear power, population control, and biomedical questions relating to the unborn, the aging, and the dying. Through course seminars, lectures, symposia, films, and publications, the Council promotes student and community participation in the search for answers to the vital ethical and humanitarian concerns facing our society. Publications of the Council include *Juridical Positivists and Human Rights* (1981); *Reflections on Human Rights* (1982); and *Freedom and Tolerance* (1984). Among the symposia that have been sponsored by the Council are "Building Coalitions to Combat New Hate Groups" (1981); "The Quincentennial of Martin Luther's Birth" (1983); and "The Tercentenary of the Revocation of the Edict of Nantes" (1985). Information about the Council and its activities is available from Professor Mieczyslaw Maneli in Kiely Hall 803 (997-5992).

EVENING BACCALAUREATE STUDIES

Queens College offers a diverse evening program for full- and part-time students who want to enrich their lives through a liberal arts education, a better understanding of the world, and greater career and social mobility.

By offering flexible scheduling, innovative courses, and new fields of study, the Evening Baccalaureate Program, established in 1960, enables students to enter the mainstream of higher education. It is especially concerned with addressing the changing needs and interests of those men and women who might otherwise abandon the idea of earning a degree because they work during the day.

Queens College, the oldest public college in the borough, serves not only the two million people of Queens, but reaches into all parts of the city and into Nassau and Suffolk counties. This population includes a large number of working people who seek to complete a bachelor's degree or to satisfy other educational objectives, women returning to college, and newly arrived immigrant groups who look to Queens to assist them in their adjustment to American life.

Because of its deep commitment to learning as a lifelong pursuit, the Evening Baccalaureate Program serves as a link between academia and the world of work. It offers a wide range of credit programs designed to help students realize their full potential. The faculty, which includes distinguished scholars in all fields, works closely with students both in classes and in individual projects.

Every effort is made to accommodate the evening student. Many administrative offices are open during the evening, and academic advisement is available. Student involvement in campus life is enhanced by organizations such as the Evening Student Association and the ACE Student Association.

The heterogeneity of the student body and the excellent faculty create a challenging and stimulating intellectual atmosphere to encourage the exploration of one's interests and abilities to the fullest. All that needs to be added is the willingness to accept that challenge.

Evening Degrees Offered

Students who attend classes at night may earn a degree in the following areas: Accounting; Art; Biology; Communication Arts & Sciences; Computer Science; Economics; Education*; English; History; Home Economics; Mathematics; Philosophy; Political Science; Psychology; Sociology; Spanish; and Urban Studies. In addition, many courses offered in other disciplines allow students to pursue a balanced and complete liberal arts education.

You may register either as a degree or non-degree student. Degree students are those who have been accepted for a specific College program leading to a degree. Non-degree students are those who are enrolled in regular courses but are not officially registered for a degree. If a nondegree student decides to enroll for a degree, he or she may transfer credits earned as a non-degree student toward the degree as long as they apply to the field of study chosen.

For requirements regarding degree and non-degree programs, consult the departmental sections of this *Bulletin*,

Admissions Criteria

The admission requirements for evening baccalaureate study are the same as for regular Queens College study: a high school average of at least 80 or a combined Scholastic Aptitude Test (SAT) score of 900 or above, or a General Equivalency Diploma (GED) score of at least 270.

Tuition

If you are a full-time student - one taking 12 or more credits a semester - and a New York State resident, your tuition will be \$725 per semester. Out-of-state residents pay \$2025. Part-time students pay \$60 per credit (\$170 per credit for out-of-state residents). In addition, there is a student activities fee for all students. Tuition and fees are subject to change.

*Students who major in Education must schedule student teaching during the daytime.

Financial Aid

Over half of Queens College students receive some form of financial aid. Possibilities include state and federal loans, grants and scholarships, and work study programs. You may obtain further information from the Financial Aid Office (997-5100).

Adult Collegiate Education (ACE) Adult Collegiate Education is an accelerated baccalaureate curriculum for highly motivated adults 25 years and older who have a high school education or its equivalent. In both day and evening classes, ACE offers a personally rewarding education that also provides a secure foundation for career advancement and for graduate and professional study. The four major components of an ACE student's curriculum are:

- 1) Basic ACE Seminars: a special series of interdisciplinary seminars in the arts, sciences, and social sciences;
- 2) evaluation of prior learning for Life Achievement credits;
- 3) the academic major; and
- 4) elective courses.

In addition, students are encouraged to participate in tutorials, off-campus weekend seminars, and travel seminars.

Admissions Criteria

To apply for ACE, you must have a high school, diploma or a GED. A committee reviews the application and selects students for admission.

Worker Education and LEAP

The Office of Worker Education and the Labor Education and Advancement Project attempt to expand educational services to working adults and the labor community. They were established in cooperation with a number of New York City unions to provide union members with an opportunity to:

- 1) gain a better understanding of the world of work, the economy, and society in general; and
- 2) develop the skills and background necessary for career advancement.

LEAP serves working adult students on campus. The Extension Center serves students attending classes in Manhattan. These programs are open to highly motivated adults who are 25 years or older, have a high school education, and are recommended by their unions.

Matriculated LEAP students are eligible to enroll in a Special Worker Education curriculum. The four major components of this curriculum are:

- 1) basic courses that include a special series of interdisciplinary seminars in the arts, sciences, and social science (some of the courses are shared with the ACE program and some are courses offered specifically by LEAP);
- 2) the academic major;
- 3) elective courses; and
- 4) life experience.

For more information, contact Professor Gregory Mantsios (997-3060).

CITY UNIVERSITY OF NEW YORK

City University of New York is comprised of ten senior colleges (including a technical college), six community colleges, a graduate school, a law school, and an affiliated medical school. It is governed by a Board of Trustees (formerly the Board of Higher Education of the City of New York), composed of 15 appointed members and the chairpersons of the University Faculty Senate and the University Student Senate, who serve ex officio. Five members are appointed by the mayor of New York City and ten by the governor of New York State. The governor also appoints the chairperson and vice-chairperson.

The Chancellor is the University's chief academic and administrative officer and is responsible for executing board Policies. She is assisted by a Central Office staff and advised by the CUNY Council of Presidents, a University Faculty Senate elected by faculty members from each campus, and a University Student Senate of student representatives designated by the student governments of each college.

History

City University of New York traces its beginnings to 1847 and a municipal public referendum authorized by the State Legislature to determine if the people of New York City were willing to underwrite the cost of a tuition-free institution of higher education for their children. The Free Academy, created as a consequence of that overwhelmingly affirmative vote, later became City College of New York. In 1870 Hunter College was founded to educate women and became the first free normal school in the country. The State Legislature established a municipal college system in 1926 with the creation of a 21 member New York City Board of Higher Education. As the demand for higher education grew, other colleges were established within the city's system: Brooklyn College in 1930, Queens College in 1937, New York Community College in 1947, Staten Island Community College in 1955, Bronx Community College in 1957, and Queens borough Community College in 1958. In 1961 the Legislature designated the municipal system as City University of New York. Rapid expansion and restructuring followed.

The Graduate School was organized in 1961 to provide a vehicle for graduate programs that could draw on the faculties of all CUNY colleges. Ten other colleges were chartered during the next decade: Borough of Manhattan Community College (1963), Kingsborough Community College (1963), John Jay College of Criminal Justice (1964), Richmond College (1965), York College (1966), Medgar Evers College (1968), Eugenio Maria de Hostos Community College (1968), and Fiorello H. LaGuardia Community College (1968). Bernard M. Baruch College, which had been the School of Business and Public Administration within City College, became a separate senior college in 1968. Lehman College, which had been a branch of Hunter College in the Bronx, became an autonomous senior college the same year. In 1967 the Mount Sinai School of Medicine was affiliated with CUNY.

Richmond College and Staten Island Community College were joined together as a federated institution named the College of Staten Island in 1976.

CUNY School of Law at Queens College

The City University of New York School of Law at Queens College is dedicated to "Law in the Service of Human Needs." Opening in 1983, it received full accreditation from the American Bar Association in August 1992. As the only publicly supported law school in the City, and one of only two in the state, it offers a program of legal education that puts special emphasis on the preparation of lawyers for public interest and public service careers. CUNY Law School seeks a student body that is talented and motivated, as well as diverse in its cultural, economic, racial, and ethnic composition. Admissions decisions are based on demonstration of academic ability and potential as well as on other qualities necessary for excellent layering, such as commitment, judgment, initiative, empathy, interpersonal skills, and the ability to work collaboratively.

CUNY Law School blends lecture and experiential learning to provide students with a mastery of legal materials, practical experience with layering techniques, familiarity with a range of interdisciplinary perspectives, and the ability to think critically about themselves and the practice of law. Students learn to perceive and understand the premises and choices implicit in the structure and work of layering, and to exercise reflective judgment in assessing their own responses to people and situations.

Graduates of CUNY Law School are working in government offices, not-for profit organizations, and private law firms throughout the country, with most remaining in the New York area. A higher percentage of its graduates work in public interest law than from any other law school in the state. Most of those in private practice are in community-based law offices that serve lower- and middle-class clients. A substantial number of our graduates are offered prestigious positions in the state and federal courts as judicial clerks.

ADMISSIONS

Admission procedures are outlined on the following pages. Since requirements, deadline dates, and fees may change from year to year, applicants are encouraged to contact the Undergraduate Office of Admissions, Kiely 206 (9975600), for current information.

Definitions

Applicants may be admitted as matriculants or as non-degree (no-matriculated) students.

A *matriculated* student is one who has been admitted into an academic program and is recognized by the College as pursuing a degree. Matriculated students may attend Queens College on a full- or part-time basis. Freshmen and transfers, as well as those admitted to the SEEK and ACE programs, are considered matriculated students. Queens College participates with all other CUNY colleges in a centralized application procedure for freshmen, SEEK, and transfer students.

A *non-degree student* is one who is registered for credit-bearing courses but is not pursuing a degree at Queens College.

Freshmen

Freshmen are those students who have completed high school but have not attended any post-secondary school since high school graduation or receipt of the GED. The minimum requirements for freshman admission include, but are not restricted to:

- a high school academic average (CAA) of 80
- or a combined SAT score of 900
- or rank in the top third of the graduating class

GED recipients must have a test score of at least 300 for consideration.

SEEK

The Search for Education, Elevation, and Knowledge (SEEK) program serves academically under prepared and economically disadvantaged students. SEEK helps students achieve academic success by providing support through financial assistance, academic instruction, tutorial assistance, and counseling services. Those interested in further information about this alternative admissions program may contact the SEEK Office (997-3150) or the Admissions Office.

To apply as a freshman or SEEK freshman, file the CUNY Undergraduate Freshman application. For earliest consideration, applicants should file by January 15 for Fall admission and by September 15 for Spring admission. SEEK applicants must complete the designated SEEK section of the application in order to determine family income eligibility.

Freshman applications, fees, and necessary transcripts should be sent to:

University Application Processing Center
P.O. Box 350136
Brooklyn, NY 11235-0001

Scholarship Program

Each year the Queens College Scholars program offers a limited number of full tuition scholarships to incoming Fall semester freshmen. Freshmen applicants with a high school average of 90, SAT scores of 1200, and/or rank in the top 10% of the high school class are encouraged to apply. The award is renewable each year, contingent upon continued high academic achievement.

Scholarship applicants must file a Queens College Scholarship application (available in the College's Office of Admissions) in addition to the CUNY Freshman application. The application deadline is February 1.

Transfer Students

Students who have continued their education beyond high school (secondary school) are considered transfer students. Minimum requirements for transfer admission include, but are not restricted to:

- Satisfactory completion of high school
- GPA of 2.5 with 6-14 credits; GPA of 2.25 with 15-23 credits; or a GPA of 2.0 with 24 or

more credits

Transfer of Credit

Coursework completed at other institutions will be evaluated after the student is offered admission to Queens College. Transfer of credit will be considered for liberal arts courses completed at a U.S., accredited, degree-granting institution with a minimum grade of C- (or any passing grade from a CUNY college). Students must complete at least 45 credits at Queens College in order to receive a degree. Consequently, a maximum of 83 transfer credits may be counted toward the 128 required for graduation. Contact the Office of Admissions (997-5404), Kiely Hall 213 for further information.

Second B.A. Degree

Transfer students who have already earned a bachelor's degree from an accredited institution may apply to matriculate for a second baccalaureate degree through the Queens College Second B.A. program. See page 37 for details.

To apply as a transfer, file the CUNY Undergraduate Transfer application. For earliest consideration, applicants should file by February 15 for Fall admission and by September 15 for Spring admission.

Transfer applications, fees, official high school and college/university transcripts should be sent to:

University Application Processing Center
RO. Box 359023
Brooklyn, NY 11235-9023

International Applicants

All students educated abroad - including U.S. permanent residents and foreign nationals - file the appropriate CUNY Freshman or Transfer application for admission. An official translation as well as transcripts are required to complete the application. The results of the Test of English as a Foreign Language (TOEFL) and documentation regarding the family's financial circumstances may also be required. Information about admission requirements for international students is available by writing:

Office of Admissions Services
City University of New York
101 West 31 Street
New York, NY 10001

CUNY Freshman and Transfer applications are available through the City University Office of Admissions Services

(see address above), (212 947-4800) or:

Office of Admissions
Queens College/CUNY
65-30 Kissena Boulevard
Flushing, NY 11367-1597

College Preparatory Initiative (CPI) Beginning September 1993, the City University will expect students who graduated from high school as of June 1993 to have taken a full complement of academic courses. These courses prepare the student for college-level work. Students should take as many academic courses in high school as possible.

The academic courses are in the following areas: English, math (such as Sequential 1, 11, III, algebra, geometry), lab science, social sciences, foreign lan-

guage, and visual and performing arts. Students who have not taken these academic courses will still be eligible for admission to City University but will have to make up the work in college. For information, call the CUNY Office of Admissions Services, (212) 947-4800.

ACE

The Adult Collegiate Education program (ACE) provides mature and highly motivated adults with an opportunity to earn an undergraduate degree. For information and applications, contact the ACE Office at Kiely 134A (997-5717). See page 75 for more details.

Fresh Start

Each year a small number of selected students return to college via the Fresh Start program. Transfer and reentry applicants who do not satisfy regular admissions criteria, who have been out of college for at least three years, and who demonstrate a high level of motivation, may be eligible for admission through Fresh Start. Contact the QC Office of Admissions for information and applications.

Reentering Students

Students who previously attended Queens College and left in good academic standing are encouraged to reenter the College and complete their degree. Applications are accepted for Fall and Spring admission only. Applicants should file by July 1 for Fall and by December 1 for Spring consideration.

Those who attended Queens and left in poor academic standing may apply to reenter, but must submit applications by April 15 for Fall and by November 1 for Spring consideration.

Students wishing to matriculate at Queens after having attended as a visiting or permit student from another college should apply using the appropriate CUNY application. (See transfer and freshman sections above.)

Readmission to the College is not automatic. Reentry applications are available in the QC Office of Admissions, Kiely Hall 206.

Veterans

Queens College is an approved training institution for veterans, disabled veterans, and children of deceased or totally and permanently disabled veterans. Students who believe they are eligible for benefits can be certified to the Veterans Administration by going to Jefferson Hall, Room 106, as soon as possible after registration.

Students must notify the certifying official of all changes in their credit load in order to insure their eligibility for future benefits.

Senior Citizens

New York State residents who are 65 years or older and have completed high school or its equivalent may attend Queens College for only \$52 per semester. Those interested must fill out the Senior Citizen application and provide proof of their date of birth. Application deadlines are July 15 for Fall and December 1 for Spring. For information and applications, contact the QC Office of Admissions, Kiely Hall 206.

High Jump

Through the High Jump program, selected high school seniors can take one college course in their senior year. Eligibility is selective and determined by the high school academic record, maturity, and CUNY Assessment Test scores. Applications and information are available in the Admissions Office. Deadlines are June 1 for Fall and December 1 for Spring admission.

Non-Degree Admission

The following guidelines will be helpful for those wishing to apply for admission as a non-degree undergraduate. Admission is not guaranteed, but applicants who meet these guidelines will be considered for admission. Applications are available through the Office of Admissions, Kiely 206. Applicants are encouraged to apply as early as possible.

- Visiting or permit students from another accredited university/college.
- Casual students with a bachelor's degree from a U.S.-accredited college.
- Senior citizens (see above).
- Applicants who are eligible for admission as a freshman or transfer but do not wish to matriculate and pursue a degree.
- Students who do not meet requirements for admission as freshmen may be considered for non-degree admission if: they satisfactorily completed high school or a GED; they never attended college; and a period of three years has elapsed since high school graduation.

- Students who do not meet requirements for admission as transfers may be considered for non-degree admission if: they satisfactorily completed high school or a GED; college/university work carries a GPA of at least 1.75 with no dismissal; a period of at least three years has elapsed since the applicant attended school.

Unless exempted, non-degree students will be required to take the CUNY Assessment Test prior to registration and will be responsible for satisfying all conditions pertaining to non-degree students and their matriculation as adopted by the Academic Senate.

Non-degree students may register for day or evening courses but are limited to three courses per semester.

Credits earned as a non-degree student may be applied to a degree program if the student applies and is accepted for matriculation. Non-degree students may apply for matriculation after completing 12 credits, but must apply before accumulating 24 credits unless otherwise exempted.

TUITION AND FEES

All tuition and other fees listed in this *Bulletin* and in any registration material issued by the College are subject to change without prior notice.

In the event of an increase in fees, payments already made to the College will be treated as a partial payment, and notification will be given of the additional amount due and the time and method of payment.

Class schedules, issued prior to registration, should be checked for any fee changes.

Payment of Tuition and Fees

In planning to register for courses, students must be prepared to pay all fees associated with registration. These include tuition, the activity fee, material and transportation charges, and other fees.

Students registering during the early registration period will receive a bill in the mail. This must be paid by the "payment due date" printed on the bill. If payment is not received by this due date, the student's entire registration will be canceled by the College.

If paying by check or money order, the student's Social Security number, invoice number, and address must be written on the check or money order. Students who receive **zero** "balance due" bill will not be required to have it validated at the Bursar's Office.

A student who issues a bad check will be liable for tuition and fees in addition to a reprocessing fee. A "stop payment" on a check *does not* cancel registration. The student must withdraw officially.

Students registering during the regular and late registration periods will be required to pick up a bill in the Bursar's Office (Jefferson Hall, Room 200). All payments must be made in the Bursar's Office on the day the bill is picked up. If the student fails to pay the bill before the first day of the semester, the College will cancel the student's entire registration.

If paying by check or money order, the student's Social Security number, invoice number, and address must be written on the check or money order. Students who receive **zero** "balance due" bill will not be required to have it validated at the Bursar's Office.

A student who issues a bad check will be liable for tuition and fees in addition to a reprocessing fee. A "stop payment" on a check *does not* cancel registration. The student must withdraw officially.

Tuition Fees

Resident

(Enrolled prior to 6/1/92)

Full-time Matriculated

\$1,100/semester

Part-time Matriculated \$92/credit

(Enrolled for first time

beginning on or after 6/1/92) Full-time Matriculated

\$1,225/semester

Pan-time Matriculated \$100/credit

(No enrollment restriction)

Non-Degree \$125/credit

Senior Citizen Fee \$50/semester

Non-Resident

(Enrolled prior to 6/1/92)

Full-time Matriculated

\$2,400/semester

Part-time Matriculated \$202/credit

(Enrolled for first time
beginning on or after 6/1/92)

Full-time Matriculated

\$2,525/semester

Part-time Matriculated \$210/credit

(No enrollment restriction)

Non-Degree \$250/credit

Note:

1. To qualify for New York State resident fees, a student must have been a resident of the State of New York for a consecutive period of one year immediately preceding the first day of classes of the session in consideration.
2. There is no maximum tuition for undergraduate non-degree students who register for graduate courses.

Guidelines for New Tuition Schedule

To implement the new tuition rates established by the April 27, 1992 Board Resolution and effective June 1, 1992, the following definitions and guidelines are provided:

First-time freshmen, who are degree students at Queens College, registering on or after June 1, 1992, pay the higher rate of undergraduate tuition and are eligible for free tuition in their last semester.

Students at Queens College, who enrolled at CUNY prior to June 1, 1992 as either a degree or non-degree student and meet the definition of continuing student, pay the lower rate of undergraduate tuition. Students not meeting the definition of continuing student or non-CUNY advanced standing transfer student pay the higher rate of undergraduate tuition.

Non-degree students as of June 1, 1992 pay a higher rate than degree students. In the case of the CUNY Baccalaureate Program (CUNY B.A./B.S.), students should contact the Program's Office to determine their academic status.

A full-time undergraduate degree student is one who is enrolled for 12 or more credits/billable equivalent credits.

A part-time undergraduate degree student is one who is enrolled for less than 12 credits/billable equivalent credits. Full-time degree students are billed one total fixed amount for 12 or more credits. (See tuition schedule above.)

Part-time students are billed on a per credit basis up to but not including 12 credits. The tuition for part-time degree students should not exceed the full-time degree rate in a regular semester.

There is no full-time tuition rate for Summer Session students. Similarly, there is no full-time rate for non-degree students. Therefore, both Summer Session and non-degree students are to be billed on a per credit basis regardless of the number of credits for which they register.

Foreign students meeting the residency requirements will be charged the resident tuition rate. If not, they pay the nonresident tuition rate.

Last Semester Free Policy

For full-time students, the last semester is any semester of full-time attendance (12 or more credits) that will result in a student receiving a baccalaureate degree. If, for whatever reason, the student does not actually fulfill the degree requirements during the semester in which the last semester free benefit is conferred, the student will be required to pay the rates in effect at the time for all subsequent semesters or sessions of study.

For part-time students, the last semester begins at the point at which a student is 15 credits away from degree completion and ends after the next 15 credits for which a student registers; that is, once a part-time student is within 15 credits of the total number required for a baccalaureate

degree, the next 15 credits are free. If for any reason (failure, switched major, withdrawals, etc.) those next 15 credits do not result in a baccalaureate degree and the student must, or wishes to, take additional credits, then the normal charges per credit would apply from the 16th credit forward.

If, for whatever reason, a student wishes to postpone implementation of the last semester free option, a college can, with presidential approval, seek consent from the Vice Chancellor of Budget, Finance, and Computing.

Definitions Used in Last Semester Free Policy

First-time Freshman: For purposes of determining eligibility for the last semester free, a first-time freshman shall be defined as any student entering a CUNY college on or after June 1, 1992 as either a degree or a non-degree student without prior registration or credit accumulated as a college student from any accredited postsecondary institution. This student at a senior college pays the higher rate of undergraduate tuition.

A first-time freshman may, however, enter a CUNY college with 25% of the credits required for the degree, up to a maximum of 32 credits, earned at any time prior to admission through any of the following mechanisms individually or combined:

- 1) Successful scores achieved on such tests as the College Board's Advanced Placement (AP) program for high school students, the College-Level Examination Program (CLEP), and the New York State College Proficiency Examinations (CRE). Individual college policy determines credit award per subject area test score.
- 2) College-level work completed as a high school student through a high school/college collaborative program (whether at CUNY or elsewhere), or through the armed forces. (For those on active duty this shall include actual enrollment in another accredited postsecondary institution.)
- 3) Credit granted for life experience or job training/education experiences. Such credit awards are determined by the college or specific departments upon completion of a specified period of attendance.

All other students who have attended another college or accredited postsecondary institution, regardless of course grade or credit award, will be considered non-CUNY advanced standing transfer students. These students will pay the higher undergraduate rate and will not be eligible for the last semester free.

Residency within a CUNY Baccalaureate Program: Students who begin as first-time freshmen in any CUNY college on or after June 1, 1992, may earn non-CUNY credits toward the baccalaureate degree and still maintain eligibility for the last semester free if more than 50% of credits toward the degree are earned at CUNY in accordance with the following:

- 1) Students may attend a non-CUNY college as a "special student" for one or more specific courses, or participate in study abroad or exchange programs, if they have the recorded approval of their departmental or academic adviser or college registrar prior to such attendance. Advance recorded approval shall be necessary to protect eligibility for the last semester free.
- 2) Students who are otherwise eligible for the last semester free but leave a CUNY college and enroll in any number of credits elsewhere without having received specific approval from the "home" college will be considered as advanced standing (non-CUNY transfer) student upon their readmission to CUNY and will have forfeited their eligibility for the last semester free.
- 3) Students who are otherwise eligible for the last semester free and who leave a CUNY college but do not engage in any other college-level work for which credits are awarded, can return to the "home" college as a readmitted student, or apply for admission to any other CUNY college and still maintain eligibility for the last semester free. These students do not have to meet the six-year requirement since they are not continuing students as defined below.
- 4) CUNY community college graduates who were first-time freshmen on or after June 1, 1992, who do not seek immediate enrollment within a baccalaureate program, will, upon future admission to such a program, be eligible for the last semester free provided they do not engage in any other college-level work for which credits are awarded inconsistent with provisions 1) and 2) above.

- 5) Students with breaks in attendance may participate in educational or "life" experiences previously defined that lead to the awarding of college credits and still be eligible for the last semester free.

New York State Residency: Documented New York State residency at the time of enrollment as a first-time freshman shall qualify a student for the last semester free regardless of subsequent changes in residency. However, if at the time of the last semester free (or semesters in the case of a part-time student) the student is determined to be a non-resident, then the tuition-free benefit shall only be at the resident rate and the difference between the resident and non-resident tuition rate shall be charged to the student.

Those students who enter CUNY claiming residency status for the last semester free, but have not documented such residency by the time of initial course registration, shall have one year from initial registration to do so. If a student demonstrates that at the time of initial registration he or she was a New York State resident, that student shall be deemed eligible for the last semester free (assuming all other conditions are satisfied).

This definition of New York State residency is used to determine the last semester free and is different than the definition used to determine whether a student pays the resident or non-resident rate of tuition. A student may satisfy the residency requirement for the last semester free since it is based upon fulfilling New York State residency at initial course registration; however, this same student may not satisfy the residency requirements for tuition purposes since it is based upon being a New York State resident 12 consecutive months immediately preceding the first day of classes. Such students shall be required, however, to pay the non-resident tuition rate until the first semester or session following satisfactory documentation of the University's current one-year State residency requirement for tuition rate purposes.

Continuing Student: A continuing student is one who registers on or after June 1, 1992, and whose previous college of attendance, either as a degree or nondegree student, was a CUNY institution. This student must have attended CUNY before June 1, 1992. Such previous attendance must have occurred within the six-year period immediately prior to the start of the semester. This continuing student pays the lower senior college undergraduate tuition rate and ~~is~~ not entitled to the last semester 'free. If any non-CUNY college was attended for purposes of degree study as the most recent previous institution of attendance, then said student is not a continuing student at CUNY upon return, but a non-CUNY advanced standing transfer student. This transfer student pays the higher undergraduate tuition rate and ~~is~~ not entitled to the last semester free.

Refund of Tuition Fees

Under the current registration procedure, once students have obtained a bill, they must pay it by the "payment due date" printed on the bill. Students cannot change their registration until the add-drop period (change of program). To receive a 100 percent refund of tuition, a student must drop course(s) in the Registrar's Office in Jefferson Hall, Room 100, before the official opening day of classes. Students who cannot appear in person may make their request in writing. However, the envelope must be postmarked before the official opening day of the semester.

Undergraduate Activity Fees

	Total	Student Activities Corp. Fee	Student Union Fee	Sports Fee	PIRG Fee	Disabled Students Fee	Spec Instr. Fee	Non-Child Care Fee
A. Day Session								
Full-time	\$90.50	\$14.50	\$56.00	\$15.00	\$3.00	\$1.25	-0-	\$75
Part-time	59.75	7.75	40.00	7.00	3.00	1.25	-0-	75
Cooperating Teachers								
Full-time	25.00	-0-	-0-	-0-	-0-	-0-	\$25.00	-0-
Part-time	25.00	-0-	-0-	-0-	-0-	-0-	25.00	-0-
B. Evening Session								
Full-time	85.50	14.50	56.00	10.00	3.00	1.25	-0-	75
Part-time	57.75	7.75	40.00	5.00	3.00	1.25	-0-	75
Cooperating Teachers								
Full-time	25.00	-0-	-0-	-0-	0-	-0-	25.00	-0-
Part-time	25.00	-0-	-0-	-0-	-0-	-0-	25.00	-0-
C. Senior Citizens								
(N.Y.S. residents over	50.00	-0-	-0-	-0-	-0-	-0-	50.00	-0-

65 taking under-graduate courses only)

The Activity Fees, Senior Citizens Fees, Cooperating Teachers Fees, and Material/Film and Transportation/Field Charges cannot be refunded if paid except where a student's program is completely eliminated because the student's registration is canceled by the College. All students (including non-degree and senior citizens) will be charged a Consolidated Service Fee of \$2.00/semester or session.

The last date of attendance in class is not an official withdrawal date unless some other action has been taken. Refunds shall be made in accordance with the schedule below.

Pro Rata Refund for Federal Grant Recipients

As a result of the Higher Education Re authorization Act for all terms beginning on or after July 23, 1992, the University must establish a "fair and equitable refund policy" for students who receive Title IV Federal assistance.

Under the pro rata refund, the College is entitled to keep the amount of tuition that is proportional to the portion of the semester that was completed by the student. The pro rata policy will apply only to Federal Title IV financial aid recipients who are attending a CUNY college for the first time (including transfer students from another CUNY college) and totally withdraw during the initial 60 percent of the semester. Total withdrawal is defined as withdrawing from all registered courses. For all colleges except Kingsborough and LaGuardia, a 15-week basis will be used, and this period is therefore inclusive of the ninth week. After the ninth week, refund calculations are not required. The Student Activity Fee is still nonrefundable and is not to be included in determining the pro rata refund.

After the initial semester for which the pro rata refund policy applies, refunds will be based upon the University's current policy contained below. All continuing students, as well as readmits, will be governed by the current policy and not the federally imposed pro rata refund policy.

The pro rata refund is based upon charging tuition to students for the period of enrollment they were in attendance.

Thus, as previously required under the Federal regulation, refunds will still be based upon the student's last date of attendance. Official withdrawals, signed by the student, will be used to document this last date.

For unofficial withdrawals, the last date of attendance must be documented either through attendance records or class rosters, with information such as examina-

Tuition Refund Schedule

<i>Fall and Spring</i>	<i>Amount of Refund</i>
* Withdrawal from course before the official scheduled opening date of the semester	100%
* Withdrawal within one week after official scheduled opening date of the semester	75%
* Withdrawal during second week after official scheduled opening date of the semester	50%
* Withdrawal during third week after official scheduled opening date of the semester	25%
* Withdrawal after completion of third week after official scheduled opening date of the semester	None

If a student is placed on active military status, partial refunds may be made. Students who are so notified should get in touch with the Registrar's Office immediately. Except as otherwise noted in this section, no other fees are refundable.

The tuition refund schedule as adopted by the City University of New York, Board of Trustees, is to be used for calculating the refund where courses are dropped after classes begin.

NOTE: A full (100%) refund of tuition will be made in the event that:

- 1) a student drops a course before the scheduled opening date of the semester.
- 2) a student's entire registration is canceled by the College after payment is made.

*See appropriate *Registration Guide* for specific refund dates.

Remedial, Developmental, and Compensatory Courses

Course	Degree Credits	Course Hours	Billable Credits	Remedial, Developmental, Compensatory
College English as a Second Language				
CESL 10	0	12	12	R
CESL 21	1	4	4	D
CESL 25	1	4	4	D
CESL 28	1	4	4	D
CESL 31	2	4	4	D
CESL 35	2	4	4	D
Chemistry 111	0	4	4	D
SEEK 99	2	4	4	R
SEEK 100	2	4	4	D
SEEK 101	3	4	4	D
SEEK 102	3	4	4	D
SEEK 141	4	5	5	C
SEEK 142	4	5	5	C
SEEK I	0	4	4	R
SEEK 4.15, 4.16	2	4,5,6*	4,5,6*	D
SEEK 6.14	1	3,4*	4,5*	D
SEEK 10.24	2	3,4	3,4	C
Math I 00	3	5	5	C
Reading 1	2	3	3	D
SEEK 120	1	4	3	D
SEEK 121	1	4	3	D
SEEK 122	2	4	3	D
SEEK 123	2	3	3	D
Science 1	4	5	5	C
SEEK 111	2	4	4	D
SEEK 112	3	4	4	C
SEEK 113	3	4	4	C
SEEK 131	4	5	5	C
SEEK 132	4	5	5	C

*Students enrolled in Math 4 are required to take either four, five, or six hours of classwork based on department recommendations. Students enrolled in Math 6 are required to take either three or four hours of classwork based on department recommendationstions and/or other data as evidence of student attendance. If a student's attendance cannot be documented, then the student is determined not to have been attending classes as of the first day of the semester. Once again, only students who totally withdraw from all their registered courses will be entitled to a refund under the pro rata refund process. Partial withdrawals will still be based upon the current refund policy applicable to the period that the student withdrew from each course.

Fee for Accelerated Study

This non-instructional fee for accelerated study will be applied uniformly to resident and non-resident students. The following schedule applies to this fee:

Credits in Excess of 18	Fee
fewer than or equal to 2	\$ 75
greater than 2 but fewer	

than or equal to 4	175
greater than 4 but fewer than or equal to 6	350
greater than 6	525

This fee applies to regular semesters only. Study during Summer Session or modules under nontraditional calendars other than Spring and Fall are ~~not~~ subject to this fee. Inasmuch as this is a fee and not tuition, TAP financial aid does not apply. This fee, however, may be included in the cost of education to determine a student's Pell Award.

Students who are charged this fee will be entitled to a refund according to the schedule on page 20.

Activity Fees

This fee covers Student Activities, Public Interest Research Group (PIRG), Sports Fee, Child Care Fee, and Student Union. It does not cover service fees that a student may incur individually, such as fees for program changes, late registration, transcripts, special examinations, or parking. Unless changed after printing of this *Bulletin*, the fees are as noted on page 20.

Remedial, Developmental, and Compensatory Courses

For details about remedial, developmental, or compensatory courses, please contact the respective department.

The College classifies some undergraduate courses as remedial, developmental, or compensatory. These differ from other courses in that students who register for them pay for them by the ~~billable~~ credit rather than by the ~~degree~~ credit. For example, a course with 2 degree credits and 6 hours may be charged at a billable credit rate, or strictly by the hours the course meets. Some specific courses in this category are Math 4 and 6. If you have any questions, check your courses, or check with the department in which the courses are being offered, to determine which courses have billable credits and which are charged strictly for the hours assigned to the course (see chart at left).

Billable credits are the number of contact hours of remedial, compensatory, and developmental courses, regardless of the number of credits given for these courses. All hours of non-credit courses are considered billable credits.

Note: The billable credit is the amount of tuition charged to the student on the student's bill as established by specific department determination.

Special Fees

1. *Application fee* of \$35 for new students seeking admission to Queens College (except senior citizens), or filing application for a master's degree program. The fee for transfer students is \$40.
2. *Readmission fee* of \$10 payable by students who withdraw from the College and later want to be readmitted (except senior citizens).

Material/Film and Transportation/Field Charges

Title	Course Number	Amount
Biology	8	\$25
	11	25
	12	25
	30	25
	40	25
	41	25
	43	25
	44	25
	101	25
	102	25
	104	50
	201	25
	210	50

212	50
217	50
220	75
221	50
225	50
226	25
250	25
261	25
265	25
312	50
320	25
340	25
341	50
342	25
343	50
345	50
346	50
347	50
351	25
354	25
360	25
361	25
362	25
364	50
367	25
371	25
372	25
373	25
543	25
554	25
555	50
614	25
617	50
621	50
626	25
627	50
700.4	50
705.4	25
710.4	50
711.4	25
712.4	25
714.2	25
726.4	25
750.4	25
760.2	50
760.7	50
770.4	25
772	50
795	25
796	25

Title	Course Number	Amount
Biology (Field)	380.3	\$50
	380.4	50
	380.5	50
	380.6	50
	680.3	50
	680.4	50
	680.5	50
	680.6	50

Chemistry	10	25
	15	25
	17	25
	19	25
	59	25
	79	25
	z12	25
	112	25
	114	25
	119	25
	241	25
	251	25
	252	25
	332	25
	342	25
	353	25
	355	25
	365	25
	366	25
	376	25
	379	25
	391.1, .2, .3	25
	501	25
	502	25
	711.1,.2,.3	25
	740	25
	790	25
795.1, .2, .3	25	
796	25	
Communication	143	10
Arts and Sciences	144	10
	147	10
	341	10
	342	10
	343	10
	344	10
Comparative Lit	241	10
Education	220	10
	231	5
	232	5
	332	7
	350	7
	351	7
	365	5
	555	5
	711	5
	712	5
	720	1
	750	1
	751	5
	753	5
	754	5
Title	Course Number	Amount
Education	755	\$5
	780	7

	781	7
	782	7
	783	7
	887	10
English	280	10
	285	10
French	50	10
Geology	101	3 5
	102	35
German	261	10
Health and Physical Educ	21BL	30
	21DL	30
	21ST	30
Home Economics	101	40
	121	10
	125	20
	203	40
	307	40
	371	30
	372	30
	373	30
	374	30
	375	30
	376	30
	377	30
	708	40
	771	30
Italian	50	10
Philosophy	105	10
	209	10
Psychology	102	10
	213	10
	223	10
	311	10
	312	10
	313	10
	317	10
	333	10
	761	25
	764	25
Russian	244	10
Spanish	50	10

Note. Certain sections of some courses have a film charge as determined by the departments for that specific section. At the time of the printing of this *Bulletin*, it is not possible to determine which sections of specific courses will have a film charge. The departments that have special sections with film courses are Communication Arts and Sciences and Interdisciplinary and Special Studies. The fees and charges listed above cannot be refunded if paid or canceled if billed.

3. *Nonpayment service fee* of \$15. Students who are delinquent in paying tuition and fees will be required to pay this fee in addition to all outstanding bills to regain the privileges of good fiscal standing with the College, which include right to attend classes and access to student records. If the student is required to pay an admission fee, the "nonpayment service fee" shall be in addition if appropriate.
4. A charge of \$15 for late registration.
5. A charge of \$10 for students who change their schedule of courses after it has been approved and they have registered, i.e., adding a course or courses, or changing from one section to another of a course. There is no fee for dropping a course.
6. *Reprocessing fee* of \$10. When a check tendered to the College by a student is not honored by the bank upon which the check is drawn, the student shall be charged a reprocessing fee. A separate fee will be charged for each check that requires reprocessing.
Note: If your check is returned by the bank as not presentable for collection, you will be liable for all tuition and fees in addition to a reprocessing fee. Your future registration will be so noted and you will be required to pay your registration by certified check or bank money order only.
 If your check is returned by the bank for "stop payment," you will be liable for all tuition and fees, in addition to a reprocessing fee. A "stop payment" on a check does not cancel any liability.
 In the event that the return of the check resulted from a bank error, and the bank acknowledges the error, in writing, the College will not charge a reprocessing fee.
7. *Breakage fees* to cover the cost of equipment damaged in the course of laboratory work. There is no charge for total breakage under \$1.
8. *Replacement charge* at list price of any physical education equipment issued to the student that is missing from the student's gym locker at the end of each session.
9. A fee of \$15 is charged when a makeup examination is given. Each additional examination in one session is \$5.
10. A fee of \$125 per year, including 6 percent NYC parking tax, is charged for campus parking privilege, if granted. (See Campus Parking, page 34.)
11. Duplicate Records: a) duplicate ID card: \$5; b) duplicate diploma: \$15; c) each transcript of record: \$4 (no charge when the transcript is to be forwarded from one unit of the City University to another); d) others: \$5.
12. A charge of \$15 for the binding of the master's thesis.
13. Duplicate Bursar Bill: \$5. Payment of service fees, fines, miscellaneous charges, and all bills may be made at the Bursar's windows, Jefferson Hall, second floor.

Related Costs

There is more to the cost of education than just tuition. Whether you are planning to attend Queens College as a part-time or full-time student, you can approximate your own expenses for the academic year by considering the following items:

Books and Supplies: The average cost for a full-time student is \$400 per semester.

Transportation: The average amount is \$488 per year. The cost will vary depending on the number of fares you will pay traveling to and from your place of residence and the College.

Lunch: Approximately \$575 (at school).

Personal: Approximately \$475 per academic year.

Room and Board: Estimate \$1,100 for the academic year (dependent student living at home). The average cost for the above items, excluding tuition and fees, is \$2,888.

Housing: Dormitory space is not available within CUNY except for Hunter College students. Students interested in obtaining information on housing/apartments may contact the Office of the Dean of Students.

Activity Fees: Funds are paid by each student to support student clubs, student government, various campus services, and a variety of student activities. See page 20 for a detailed listing of all activity fees for both full-time and part-time students.

Holds

Students who have outstanding debts (accounts receivable) for any tuition, fees, parking violations, breakage, emergency loans, etc., that are past due will have holds placed on registration, transcripts, grades, and diplomas.

Transcripts

There is a fee of \$4 to order a copy of your Queens College record. (Note, however, that there is no fee for transcripts to be sent to other branches of CUNY.) To order a transcript, go first to the Bursar's payment windows on the second floor of Jefferson Hall. When you pay your fee, you will be given a voucher to bring to the Registrar's Office, Jefferson 106. You must give the Registrar's representative the Registrar's copy of the voucher to **receive** a transcript request form. Fill out the form completely and be sure to sign it. Return both copies of the form to the Registrar's Office. Allow three to four weeks for delivery. (No same-day service.)

If you want to request a transcript by mail, obtain a transcript form from Queens College, 65-30 Kissena Blvd., Flushing, NY 11367-1597, Attention: Jefferson Hall 100. Please make sure that you complete all the information on the form and mail it back to the office. Be sure to include Social Security number and current address on your check or money order. The fee covers complete transcript for all divisions attended. Complete information and fee must be received in order to fill the request.

If a hold has been placed on your record, you will be notified. Requests for transcripts will not be honored until the hold has been cleared.

During the final examination period at the end of the Fall and Spring semesters, be sure to obtain from the Records Management Office the Request for Supplementary Transcript so that grades for the courses you listed under courses for the current semester will be sent to those who received your transcript during the semester. The deadline for the return of the supplementary form is the last day of final examinations.

MEETING COLLEGE EXPENSES

Students who feel they will need help in meeting college expenses should contact the Financial Aid Office which is located in Powder maker Hall, Room 127. The office is open from 9:30 am to 4:00 pm Monday through Thursday, 9:30 am to 2:00 pm Friday, and from 5:00 pm to 7:45 pm Tuesday and Wednesday when classes are in session. Counselors are available to advise and assist you with applications. The telephone number is 997-5100.

The Cost of Education

The cost of education is an important consideration when deciding upon attending college. In general, a student budget consists of the direct educational costs of tuition, fees, books, and supplies and those costs incurred by virtue of attendance, such as transportation and lunch. In addition, you will have recreational and personal expenses. If you are a self-supporting (independent) student, you will also have the day-to-day expenses of housing, food, clothing, and medical care.

Student Resources

In reviewing your student budget, you should then consider the resources you will have from earnings and savings, the amount your parents can contribute, and any benefits you receive such as Social Security, Veterans' Benefits, unemployment, or welfare.

Summer employment can help meet the first costs of enrollment and you should plan to save money from your summer earnings. Cash will be needed right away for books, supplies, and transportation.

Financial Aid Programs

If available resources are not sufficient to cover the cost of your attendance, you should look into the possible financial aid available. Financial assistance, provided through the College, is intended for eligible students who need assistance in meeting costs. The College does not provide financial assistance for students who attend on less than a half-time basis.

Packaging

Rather than using one source to finance your education, a combination of monies from all of the programs for which you are eligible may be used. This system for allocating aid is called packaging. Funds will be allocated first to meet the basic costs of attendance (tuition, books, transportation) and if funding permits, other living expenses will then be addressed. Your need for aid is determined by an analysis of the information contained in your CUNY Free Application for Federal Student Aid (FAFSA).

What follows is a brief description of the financial aid programs available to eligible undergraduate students at Queens College. The descriptions are based on current statutes and regulations and are subject to change. Additional information may be obtained from the Financial Aid Office. The programs described are:

New York State Programs

Tuition Assistance Program (TAP)

Supplemental Tuition Assistance
Program (STAP)

City University Supplemental Tuition
Assistance (CUSTA)

Aid for Part-Time Study (APTS)

Regents Award for Children of
Deceased or Disabled Veterans

Vietnam Veterans Tuition Award
Program

Regents Award for Children of
Deceased Police Officers,
Fire Fighters, or Corrections Officers

Paul Douglas Teacher Scholarship
Program

State Aid to Native Americans

Search for Education, Elevation, and
Knowledge (SEEK)

Federal Programs

Federal Pell Grant
Federal Supplemental Educational
Opportunity Grants (FSEOG)
Federal Perkins Loan
Federal Work-Study Program (FWSP)
Federal Stafford Loan (Formerly
Guaranteed Student Loan)
Federal Supplemental Loans to Students
(FSLs)
Federal Parents' Loans for Students
(FPLUS)
Veterans Administration (VA) Educational
Benefits

Queens College Programs

Emergency Student Loan Funds
Adele Fox Book Loan Fund
SEEK Academic Presidential Scholarships

New York State Programs

TUITION ASSISTANCE PROGRAM (TAP)

Application Procedures

Applicants must apply annually. Students may apply on the CUNY FAFSA or on a New York Higher Education Services Corporation Student Payment Application. The deadline for the 1993-94 academic year is May 1, 1994.

The Higher Education Services Corporation determines your eligibility and mails an award certificate to you indicating the amount of your grant. The College will deduct the amount of your grant from the tuition bill, if you receive your award before you register for classes.

Selection of Recipients

TAP is an entitlement program. There is neither a qualifying examination nor a limited number of awards. You must:

1. be a New York State resident for one year and a U.S. citizen, permanent resident alien, refugee, or paroled refugee;
2. be enrolled full time and matriculated in a program approved for State student aid by the New York State Education Department;
3. have, if dependent or independent with dependents, a family net taxable income of \$50,500 or less, depending on when you first applied for TAP. If independent and single with no tax dependents, have a net taxable income below \$10,001;
4. be charged a tuition of at least \$200 a year;
5. be in good academic standing. Applicants will be excluded from this program if they are in default in the payment of a student loan;
6. declare a major not later than the beginning of your junior year.

For any questions about independent/ dependent status, contact the Financial Aid Office.

Award Schedule

The amount of the TAP award is scaled according to the number of prior TAP payments you have received, tuition charge, number of family members who are full-time college students and net taxable family income for the preceding tax year. The minimum award is \$ 100 per year; the maximum is full tuition, less \$75.

Program Pursuit and Academic Progress

For continued eligibility, students must meet the program pursuit and academic progress requirements outlined in the charts below.

If you fail to meet the requirements, you may regain eligibility by:

1. making up the deficiency while attending Queens, without state aid;

2. leave Queens and return after one year or more;
3. transfer to another college; or 4. apply for a waiver.

You will be allowed the use of the waiver once as an undergraduate and once as a graduate student. A waiver will enable you to receive TAP for that semester only. You must then meet the requirements to be eligible for further payments.

Waiver Guidelines

A waiver of the TAP pursuit, progress, and attendance requirements will be considered in the following circumstances, which must be documented:

1. personal illness involving hospitalization or extended home confinement;
2. illness in immediate family requiring your absence from classes for an extended period;
3. emotionally disabling condition which prevented you from attending classes;
4. change in working conditions of your job on which you and your family are dependent;
5. military duty, incarceration, or other involvement with agencies of government which prevented you from attending classes;
6. an assessment of your academic record indicating that you will be able to meet the standards in the following semesters.

SUPPLEMENTAL TUITION ASSISTANCE PROGRAM (STAP) STAP is a program that was established to provide one additional annual TAP award to students who are educationally disadvantaged.

Application Procedures

The application is the same as the application for TAR

Selection of Recipients

To be eligible you must:

- 1) qualify as educationally disadvantaged pursuant to the guidelines for Higher Education Opportunity Program, Education Opportunity Program, Search for Education, Elevation, and Knowledge, or College Discovery,
- 2) remain in full-time attendance, and
- 3) carry a remedial workload that precludes the fulfillment of the program pursuit and academic progress requirements of the TAP Program. (At least half of a STAP student's minimum full-time course load must consist of on-credit remedial work.)

In order to maintain continued eligibility for STAP, a student is expected to remain in full-time attendance throughout the term of study. Students who fall below full-time attendance may still retain eligibility for STAP provided they pass 50 percent of the minimum full-time course load of a STAP-supported semester.

Students who fail more than 50% of their credits will have the right of appeal.

Award Schedule

The amount of the STAP award is the same as the TAP award.

CITY UNIVERSITY SUPPLEMENTAL TUITION ASSISTANCE (CUSTA)

Application Procedures

If you have applied for TAP, no further application is necessary. The University will review your records to determine if you are eligible for a CUSTA award.

Selection of Recipients and Allocation of Awards

To be eligible for CUSTA, you must be:

1. enrolled in an undergraduate program at a CUNY senior or technical college;
2. enrolled on a full-time basis;
3. eligible for the maximum TAP award; and
4. at least a fifth-semester TAP recipient but not have exhausted your TAP eligibility.

AID FOR PART-TIME STUDY (APTS)

Application Procedures

The CUNY FAFSA may be used. That application must be filed by September 15 for the academic year, or February 1 for the Spring semester only.

Program Pursuit

To Be Eligible for TAP Payment #	<i>Minimum Credits/Equated Credits You Must Complete in Prior Payment Semester</i>	Undergrad students may receive TAP for 8 sem., or 10 sem. if in the SEEK program
2	6	
3	6	
4	9	
5	9	
6 to 10	12	

**Academic Progress for
Students in B.A. Program**

<i>To Be Eligible for TAP Payment #</i>	<i>Minimum Degree Credits Earned through Last Sem of Attendance</i>	<i>Minimum Grade-Point Avrg. through through Last Sem of Attendance</i>
2	0	0
3	6	1.0
4	18	1.2
5	31	1.4
6	45	1.65
7	60	1.7
8	75	1.75
9	90	1.8
10	105	1.85

Selection of Recipients

To be considered for an award, you must:

1. have, if dependent, a family net taxable income of \$50,500 or less; or, if independent, a family net taxable income of \$34,250 or less;
2. be a New York State resident for a year and a U.S. citizen, permanent resident alien, or a paroled refugee;
3. not have received the maximum number of TAP or Regents Scholarship payments;
4. be matriculated and enrolled for at least 6 but not more than 11 credits per semester;
5. be in good academic standing and maintaining a C average.

Award Schedule

The amount of the award may not exceed tuition incurred and is dependent on your financial need, the College's allocation of funds, and the number of eligible applicants.

To retain eligibility, you must meet the New York State program pursuit and academic progress standards.

Program Pursuit

You must complete a minimum of 3 credits in each semester of the first year an award is received; 4 1/2 credits in each semester of the second year; and 6 credits in each semester thereafter.

Academic Progress

The academic progress standard used for TAP is adapted for part-time study (see page 26).

Generally, as a part-time student you will have two semesters to achieve the standard that a full-time student must achieve in one semester.

REGENTS AWARD FOR CHILDREN OF DECEASED OR DISABLED VETERANS

Application Procedures

A special application, obtainable from the high school principal or counselor, must be filed with the New York State Higher Education Services Corporation (HESC), 99 Washington Avenue, Albany, New York 12255.

Selection of Recipients

To be eligible for a Regents Award for Children of Deceased or Disabled Veterans, you must be:

1. a legal New York State resident, and
2. the child of a veteran who died, or who has a current disability of 50 percent or more, or who, at the time of death, had such disability resulting from U.S. military service during one of the following periods:

Dec. 7, 1941-Dec. 31, 1946 June 25, 1950-July 27, 1953 Oct. 1, 1961-March 29, 1973

These awards are independent of family income or tuition charge, and are in addition to other grants or awards to which the applicant may be entitled.

Award Schedule

The amount of the award is \$450 per year, for up to five years, depending on the normal length of the program of study, for full-time students.

VIETNAM VETERANS TUITION AWARD PROGRAM

Application Procedures

Eligible veterans have until Sept. 1, 1990 to apply for a determination of eligibility for the program. After eligibility has been established, applicants must apply annually for payment of their award to the New York State Higher Education Services Corporation (HESC), 99 Washington Ave., Albany, New York 12255. The application deadline for the 1993 -94 academic year is May 1, 1994. Application forms are available in the Financial Aid Office.

Selection of Recipients and Allocation of Awards

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

1. have served in the armed forces of the United States in Indochina between Jan. 1, 1963, and May 7, 1975;
2. have been discharged from the service under other than dishonorable conditions;
3. have been a resident of New York State on April 20, 1984, or have been a resident at time of entry into the service and resumed residency by Sept. 1, 1988;
4. apply for a Tuition Assistance Program (TAP) Award and a Pell Grant if applying as a full-time student or for a Pell Grant only if applying as a part-time student;
5. be matriculated in a degree program.

Award Schedule

Full-time awards are \$1000 per semester or the cost of tuition, whichever is less. If the veteran also receives a Tuition Assistance Program (TAP) award, the combination of the two awards cannot exceed tuition. Part-time awards are \$500 per semester or tuition, whichever is less. Part-time study is defined as at least 3 but fewer than 12 credits.

For full-time study, awards are available for up to eight semesters of a four-year program, or ten semesters if you are in an approved five-year program. For part-time study, awards are available for up to sixteen semesters, or twenty semesters in an approved program that would normally require five years if the study were full-time.

The total of all awards received cannot exceed \$5,000.

REGENTS AWARD FOR CHILDREN OF DECEASED POLICE OFFICERS, FIREFIGHTERS OR CORRECTIONS OFFICERS

Application Procedures

A special application must be obtained from the New York State Higher Education Services Corporation (HESC), 99 Washington Avenue, Albany, New York 12255. Documentary evidence to establish eligibility must be submitted with the application.

Selection of Recipients

To be eligible for this award the applicant must be:

- (1) the child of a police officer, regular or volunteer firefighter or corrections officer, who died after June 30, 1982, as a result of an injury sustained in the line of duty;
- (2) a legal resident of New York State.

Award Schedule

The amount of the award is \$450 per year for up to five years of full-time undergraduate study, depending on the normal length of the program of study. Study must be at an approved post-secondary institution in New York State.

To receive payment, awardees must file a TAP payment application and a special supplement annually.

PAUL DOUGLAS TEACHER SCHOLARSHIP PROGRAM

Application Procedures

Applications are available by writing to the New York State Education Department, Bureau of Higher and Professional Educational Testing, Cultural Education Center, Albany, New York 12230. Applications must be filed by February 28 for the following academic year.

Selection of Recipients

Scholarships are awarded for full-time undergraduate study in an approved program leading to certification as a teacher in a field designated as having a shortage of teachers. Eligibility is limited to students who are in or who graduated in the top ten percent of their high school graduating class or who have comparatively high GED scores.

Award Schedule

The award may be up to \$5,000 a year for educational expenses for up to four years of full-time study. A service commitment of two years of teaching is required for

each year of award payments received. This service can be reduced by one-half depending upon the school and teaching program selected by the recipient. The teaching service may be performed at any public or qualifying private school in the U.S.

STATE AID TO NATIVE AMERICANS**Application Procedures**

Application forms may be obtained from the Native American Education Unit, New York State Education Department, Albany, New York 12230.

Selection of Recipients

To be eligible you must:

1. be a member of one of the several Native American tribes located on reservations within New York State;
2. have graduated from an approved high school, or have earned a General Equivalency Diploma;
3. be enrolled at least as a half-time student in an approved program;
4. maintain satisfactory progress toward completion of the program.

Award Schedule

The award is \$1,100 per year for a maximum of four years of full-time study. If you are registered for less than full-time, you will be funded at approximately \$46 per credit hour.

SEARCH FOR EDUCATION, ELEVATION AND KNOWLEDGE (SEEK)**Application Procedures**

If you wish to be considered for admission through the SEEK Program, you must complete the back page of the application for admission to the University.

Selection of Recipients

To be eligible a student must be:

1. a resident of New York State;
2. academically under prepared according to guidelines approved by the City University of New York;
3. economically qualified according to guidelines approved by the Board of Regents and the Director of the Budget;
4. an applicant for admission as an entering freshman.

Award Schedule

The amount of support for fees, books, and stipends available to SEEK students is dependent on financial need as determined by the CUNY needs-analysis system.

Federal Programs**Eligibility Requirements**

To be eligible for the Federal Title IV student financial aid programs (FSEOG, Federal Pell, Federal Perkins, FWSP, Federal Stafford Loan, and FSLs) you must:

1. be enrolled at least half time as a matriculated student;

2. be a U.S. citizen or an eligible noncitizen;
 3. show evidence of need;
 4. not be in default of a Federal student loan, or owe a repayment of a Federal Pell or FSEOG;
 5. file a statement of educational purpose and Selective Service Registration Compliance with the Financial Aid Office prior to being awarded federal aid;
 6. be in good standing and make satisfactory academic progress in your course of study.
- Note:* The College reserves the right to withhold transcripts from students who default on any student loan.

Satisfactory Progress Standard for Title IV Federal Student Assistance

To maintain eligibility for Federal Student Financial Assistance you must remain in good academic standing and make satisfactory progress toward the completion of a degree. The requirements for federal assistance are different from those for New York State assistance.

To remain in good academic standing you must maintain the required cumulative grade-point average. Students on probation remain eligible for federal financial aid. (See Retention Standards, page 50.)

In order to make satisfactory progress toward the completion of a degree, an undergraduate student must earn credits greater than or equal to 18 times the number of years of full-time study attempted. When calculating the number of years attempted, you should take into consideration only those credits which can be counted toward the completion of a degree (no equated credits). If you fail to meet this standard, you will be put on a provisional standard. This standard requires you to earn greater than, or equal to, 21 credits times the number of years of full-time study attempted, minus one year.

Part-time students must maintain the same ratio of attempted to earned credits as full-time students.

You will be measured against the satisfactory progress standard at the end of the spring term to determine your eligibility for receipt of federal funds for the upcoming year.

If you fail to meet either the satisfactory progress or provisional standard, you will lose eligibility for federal financial assistance and have the right to appeal. A successful appeal will result in the granting of a one-year probation period during which you will be expected to improve your record.

Additional information concerning these progress standards may be obtained from the Financial Aid Office.

FEDERAL PELL GRANT

Application Procedures

Queens College students may apply for a Federal Pell Grant for 1993-94 using the CUNY FAFSA available in the Financial Aid Office. The completed application is submitted for processing according to the instructions included on it. You will receive a Student Aid Report (AR) indicating your student aid index, which must be presented to the Financial Aid Office during the payment period while you are still enrolled and in attendance. The deadline for filing for 1993-94 is May 1, 1994.

Selection of Recipients

The Federal Pell Grant program is an entitlement program. You must meet the eligibility requirements listed on this page.

Financial need is determined by a formula developed by the U.S. Dept. of Education and reviewed annually by Congress.

Award Schedule

Awards vary each year. The amount of your Federal Pell Grant will be determined according to the schedule of awards based on your student aid index, the cost of education at Queens College as defined by the Federal Pell Grant program, your enrollment as a full- or part-time student, and federal appropriations.

FEDERAL SUPPLEMENTAL

**EDUCATIONAL OPPORTUNITY
GRANTS (FSEOG)****Application Procedures**

You apply through Queens College on the CUNY FAFSA which is available in the Financial Aid Office.

Selection of Recipients

To be eligible you must have exceptional need and meet the eligibility requirements listed on this page.

Award Schedule

Awards range from \$100 to \$4,000 based on available funds. You are eligible to apply for the FSEOG for the period required for the completion of your first undergraduate baccalaureate degree.

FEDERAL PERKINS LOAN**Application Procedures**

Application is made through Queens College by completing the CUNY FAFSA.

Selection of Recipients

Recipients must meet eligibility require-

ments listed on page 28.

Schedule of Awards

The maximum amounts that may be borrowed vary each year.

The current annual interest rate, payable during the repayment period is 5% on the unpaid principal. Repayment begins six months after graduation or leaving school (nine months for first-time borrowers in 1988-89 and after) and may extend over a period of up to ten years.

For additional information about repayment schedules and deferral of repayment, contact the Financial Aid Office.

FEDERAL WORK-STUDY PROGRAM (FWSP)**Application Procedures**

Application is made through Queens College by completing the CUNY FAFSA.

Selection of Recipients

To be eligible you must meet the eligibility requirements listed on page 28.

The College must make employment reasonably available to all eligible students. In the event that more students are eligible than there are funds available, preference is given to students who have a greater financial need and who must earn a part of their educational expenses.

Award Schedule

The College arranges jobs on-campus and off-campus in public or private non-profit agencies and in a limited number of for profit organizations. Jobs in for-profit organizations must be academically relevant. You may work up to 20 hours per week during the school year and full time during the Summer.

The salary level must be at least the minimum wage; wages higher than the minimum depend on the nature of the job and the qualifications of the applicant.

Satisfactory academic progress must be maintained as well as satisfactory performance on the job.

**FEDERAL STAFFORD LOAN
(FORMERLY GUARANTEED
STUDENT LOAN PROGRAM)****Application Procedures**

All students and/or their families must complete a CUNY FAFSA to determine eligibility and must establish eligibility or ineligibility for a Federal Pell Grant prior to certification of a loan application. You should obtain a loan application from a participating lending institution (bank, credit union) in your area of permanent residence. Present the completed application to the Financial Aid Office. The application is then certified by the College and routed to the lending institution and/or to the State Guarantee Agency for final approval. In New York this is the Higher Education Services Corporation.

A counseling session or interview or both may be required.

Selection of Recipients

To be eligible for a Stafford Loan you must meet the eligibility requirements listed on page 28.

Loan Schedule

The maximum loan for undergraduate freshmen and sophomore years is \$3,500 per academic year and \$5,500 per academic year for the junior and senior years. The undergraduate aggregate maximum is \$23,000. The amount you may borrow is limited to the cost of education minus the total expected family contribution and the estimated financial assistance that you may receive.

The annual rate of interest for the Federal Stafford Loan is variable. You are eligible for a full interest subsidy during the time you are in school and for six months after you cease to be at least a half-time student. You are responsible for payment of the 5% origination fee and an insurance premium which is taken as a direct deduction when the loan is made.

Students who in the past received a Guaranteed Student Loan at the old fixed interest rate will retain their eligibility for those rates for any additional Federal Stafford Loans.

For more detailed information about repayment schedules and procedures, contact the Financial Aid Office.

FEDERAL SUPPLEMENTAL LOANS TO STUDENTS (FALSE)

Application Procedures

In New York State, the application for the Federal Supplemental Loan and the procedures for approval are the same as for the Federal Stafford Loan.

Selection of Recipients

To be eligible for an FSLS, you must meet the eligibility requirements listed on page 28. and be an independent undergraduate enrolled on at least a half-time basis.

Loan Schedule

Independent undergraduates may borrow up to \$5,000 per year, up to a total of \$23,000.

The loan may not exceed the difference between your cost of education and the other financial aid, including any Federal Stafford Loan, you may receive.

FSLS have a variable interest rate adjusted each year, not to exceed 11%. While you are enrolled full time, you do not have to make payments on the loan principal. The interest may be paid quarterly or capitalized if agreed upon by the lender.

FEDERAL PARENTS' LOANS FOR STUDENTS (FPLUS)

Application Procedures

The application for an FPLUS may be obtained from a participating lending institution. The procedures for approval are the same as for the Federal Stafford Loan and the FSLS, with final approval coming from the State Guarantee Agency (in New York, the HESC).

Selection of Recipients

To be eligible for an FPLUS the applicant must be

1. a U.S. citizen or permanent resident alien;
2. the parent of a dependent student who is enrolled at Queens College as a matriculated student attending at least half time;
3. not in default of any previous student loan.

Loan Schedule

Parents may borrow an amount not to exceed the cost of attendance minus any financial aid. The annual interest rate for FPLUS is the same as for an FSLs. Repayment of interest begins within 60 days of disbursement of the loan or capitalized if agreed upon by the lender. The principal may be deferred while the student is in full-time attendance. For detailed information about deferment of payments, contact your lending institution or the Financial Aid Office.

VETERANS ADMINISTRATION (VA EDUCATIONAL BENEFITS)**Application Procedures**

Application forms are available at all VA Offices, active-duty stations, and American embassies. Forms completed by the Registrar's Office are to be submitted to the regional VA Office.

Selection of Recipients

Educational benefits are available through the Veterans Administration under the following programs:

New GI Bill (Chapter 30) Service persons who entered active duty between July 1, 1985 and June 30, 1988.

Vocational Rehabilitation (Chapter 31) Veterans who have at least a 10% disability as a result of active service.

Veterans Contributory Benefits (VEAP) (Chapter 32) - Veterans and service persons who entered active duty after December 31, 1976.

GI Bill (Chapter 34) - Veterans who served more than 181 days between January 31, 1955 and January 1, 1977.

Dependent's Educational Assistance Benefits (Chapter 35) - Spouses and children of veterans whose death or total, permanent disability was service connected.

Selective Reserve Benefits (Title 1 O, Chapter 106) - Members of the Selected Reserve who enlisted for a 6-year period between July 1, 1985 and June 30, 1988.

For more information regarding eligibility criteria for these programs and other assistance to veterans and their dependents, contact the Veterans Administration.

Queens College Programs**EMERGENCY STUDENT****LOAN FUNDS**

Students may borrow small amounts to cover emergencies for a short time and pay no interest. In general, loans are limited to \$50 to \$100 and are to be repaid within 30 days. Apply in person at the Financial Aid Office. Approved loans may usually be obtained in two days.

ADELE FOX BOOK LOAN FUND Students may borrow up to \$150 per semester to purchase books at the Queens College Book Store and repay from their financial aid award.

SEEK ACADEMIC PRESIDENTIAL SCHOLARSHIPS

Four scholarships are awarded each year to the freshman, sophomore, junior, and senior student in the program having the highest academic average in his/her class. Finalists are chosen by the SEEK Scholarship Committee.

STUDENT LIFE

Extracurricular activities at Queens can play an important part in your education. Because there are so many different activities going on each semester, you are sure to find a club, concert, film, or speaker that interests you. Announcements of activities can be found in the student press and posted around the campus.

The Student Union is the hub of campus life. Containing major social, cultural, recreational, and educational facilities and services, the Student Union adds greatly to the student development, enrichment, and pleasure. Over 45 student organizations have office space in the Student Union and another 90 student organizations use the Union for meetings, events, and seminars.

Various food service options are available at the Student Union. The Snack Shop in the lobby features Dunkin' Donuts and TCBY. The Care, a self-serve buffet-style restaurant, is open for lunch. The Servery, featuring hot and cold entrees, grill items, and a Taco Bell Express, is open for breakfast, lunch, and dinner. The Cellar Entertainment Lounge is open for lunch and remains open through the early evening offering pizza, snacks, soda, and excellent entertainment. A Glatt Kosher food service area is available on the lower level.

Other services offered at the Student Union include a copy/fax center, game room, an underground parking garage, and a 24-hour ATM for emergency cash needs. Catering facilities, meeting rooms, and the fourth floor Ballroom are available for lectures, movies, music performances, conferences, and dinner or dance events.

The Student Union is financed through Student Union fees and revenue-producing enterprises and is operated by the Queens College Student Services Corporation. The Student Union is committed to meeting the needs of the entire Queens College and greater New York communities.

The Queens College Association was formed to administer that portion of the Student Activity Fee intended for use by student organizations. The administrative functions of the QCA are handled by the Student Union through the Student Life Office. Over 90 student organizations receive funding from the QCA.

The Queens College Auxiliary Enterprise Association is a nonprofit organization responsible for the operation of the Campus Bookstore, the food services in the Dining Hall, as well as the game room and gourmet shop, all located in the Dining Hall building. There are three main dining rooms located in the Dining Hall building:

The Banner Room (formerly the 800 Room) is the largest of the dining rooms. Breakfast, lunch, and dinner are served here. Also in this room is the *Game Room*, which contains a variety of the latest video games.

The Red Rail Room (formerly the 400 Room) has three serving areas and is open for breakfast, lunch, and dinner. There is a lounge area in this room. The Red Rail Room is also home to: *Kosher Haven*, a special area that serves only Kosher food under Glatt Kosher supervision; the *Gourmet Shoppe*, which serves freshly baked croissants, pastries, flavored gourmet coffees, teas, sodas and packaged snacks; and the *Anyway Shoppe*, which serves a variety of fast foods, such as hot dogs, knishes, meat patties, taco chips with cheese sauce, and other specialties. (Currently closed for renovation.)

The Patio Room is open for lunch only. There is a lounge available in this area for faculty and staff to eat in.

The Campus Bookstore sells all course books, reference books, bestsellers, sale books, stationery and art supplies, College apparel, emblematic gifts, and other related items. Approximately \$300 a semester is a reasonable estimate for the cost of books and supplies. If financial assistance is needed for buying books, students should consult the Financial Aid Office, Powder maker 127.

Bookstore hours are posted outside of the store.

The Student Association is the day-session student government. All day-session students are entitled to vote for representatives in the Spring elections. There are 20 senators, a president, a vice-president, and National Student Association delegates. The Student Association is in the Student Union, Room 319 (969-7100).

The Evening Student Association promotes the welfare and furthers the interests of evening students. The officers of the Association are elected in the general election. Its office is in the Student Union, Room 319.

Student Activities. All student clubs must register with the Office of Student Activities (Powder maker 103) each semester. Information is available in this office about elections for positions in the Academic Senate and Day, Evening, Graduate, ACE, and SEEK student governments.

The Academic Senate Governs the College and determines many of its policies. There are 30 student representatives and 60 faculty. The student representatives are elected every Spring by the student body. In addition, there are 14 active Academic Senate standing committees, all of which have student members. These committees deal with issues ranging from curriculum and academic standards to campus beautification. Interested students can come to the Academic Senate office (Kiely 810) and apply for any committee opening.

The Information Center maintains a calendar of all College events in the first floor lobby of Kiely Hall (997-5411).

Identification Cards. The College supplies each student with an identification card. College regulations require students to carry these cards on campus and to present them to a member of the faculty or staff if requested to do so. The ID card not only protects the College from persons not authorized to be on campus or to use College facilities, but also extends to registered students all the privileges of membership in the College community.

New students should have their ID photographs taken in Kiely Hall, Room 264A, after they have completed their registration. ID validation stickers will be mailed to the student's home along with acknowledgment of tuition payment.

All students should bring their ID cards to registration. This card will be used to control entry into the Registration Area; students may not be permitted to register without it. You must show a validated ID card at the time of collecting any check from the Bursar's Office and when using the Library. Replacement of lost or stolen ID cards takes five days from date of notification to the Security Office, Jefferson Hall 204. A fee of \$5 is charged to duplicate a lost ID.

Note: In order to obtain a College ID (new or replacement), all students *must* show two pieces of identification:

1. Proof of school registration.
2. Birth certificate, driver's license, or passport.

Health

Self-Appraisal Health Form

Students are required to submit a Queens College Self-Appraisal Health Form. This computerized form, containing a confidential personal and family health history section, will be the official health admission record and must be completed by all students, in the registration area, prior to their scheduled time to register.

Immunizations

If you were born on or after January 1, 1957, New York State law requires that you be immunized against measles, mumps, and rubella in order to attend classes.

All matriculated undergraduate and graduate students must show proof of immunity. This does not apply to matriculated students who enroll for less than six semester hours or any non-matriculated students. Proof of immunity consists of:

Measles: two doses of live measles vaccine (the first administered after 12 months of age, the second after 15 months of age and at least 30 days after the first), physician documentation of measles disease, or a blood test showing immunity.

Mumps: one dose of live mumps vaccine administered after 12 months of age, physician documentation of mumps disease, or a blood test showing immunity.

Rubella: one dose of live rubella vaccine administered after 12 months of age or a blood test showing immunity. If you have not yet filed a completed Queens College Immunization Form at the Health Service Center (FitzGerald Gym, Room 204), please do so immediately.

Disability or Pregnancy. A student who becomes disabled or pregnant should consider discussing with a staff counselor from the Dean of Students' Office the various alternatives regarding current and future academic plans. Some of these alternatives are continuation of attendance, a leave of absence, or a program adjustment. A recommendation from a physician will help in determining which options are feasible. The recommendation, which is filed in the Health Service Center, is useful information to the College and beneficial to the student, should the student require any medical services while on campus.

Blood Drive. At least one blood drive is conducted annually with the cooperation of the Greater New York Blood Program. Seventeen-year-olds must show proof of age in order to donate. All Queens College students are eligible to receive blood from the Blood Bank. Further information may be obtained from the Health Service Center, FitzGerald Gym, Room 204.

Insurance. The College offers options for health and accident insurance to students on a voluntary basis. For further information, contact the Health Service Center.

Counseling and Advisement Counseling and Advisement Center Students have to deal with a variety of personal, emotional, and interpersonal issues that can affect their general college adjustment. Many students have found it helpful to discuss their current life situations and plans with a staff member of the Counseling and Advisement Center.

Students will be seen on an individual or a small-group basis. There is no fee for services, which are available Monday to Friday, 9:00 am-4:00 pm, whenever classes are in session. Students can make appointments on their own or may be referred by an adviser, an instructor, or an administrative office. The staff is also ready to consult with faculty members and departments concerned with student needs or problems. For further information or to make an appointment, come to Powder maker 128 or telephone 997-5420.

The staff, which includes certified psychologists, sees students for personal and academic counseling for as few as one or two sessions to as long as one or two semesters. The contact may involve referral to other College services such as Career Development, the Office of Special Services, the Undergraduate Scholastic Standards Committee, and Scholarship Opportunities, or to various community resources including longer-term counseling centers and practitioners.

All counseling services are strictly confidential.

The staff also sees students who are having academic difficulty, who wish to learn about the various fields of study available at Queens, or who seek help in course selection and program planning and to understand the College's academic requirements and policies. Informational materials and special advisement programs are made available to incoming freshmen and advanced standing students. In addition, individual advisement sessions with peer advisers can be arranged on a walk-in basis. Peer advisers are undergraduate students who have achieved at least lower sophomore status and who are trained in general College information, regulations, resources, and communication skills. They are available to discuss an individual's concerns about college adjustment, program planning, selecting a major, or exploring career choices. Peer advisers also participate in registration assistance and Advisement Days for freshmen and advanced standing students. Descriptions of the Peer Advisement Program and credit-bearing courses are available in the Counseling and Advisement Center.

Undergraduates who have already decided upon a major should contact the department or program of their choice and ask to be assigned to a faculty member in order to receive advisement regarding departmental requirements and proper course selection.

The Counseling and Advisement Center is also available to assist in the development and operation of advisement services for individual departments and programs.

Students may schedule an evening appointment with an academic adviser by telephoning 997-5700. Services are available Monday to Thursday, 5:30- 8:00 pm.

Freshman Advisement. Before the opening of classes, new students participate in activities designed to acquaint them with the College and its operation. All new freshmen are required to see a faculty adviser prior to registration. At Freshman Advisement, academic opportunities for entering freshmen are discussed, and workshops are conducted by both faculty and peer advisers. These required workshops focus on College procedures and regulations, advisement about the academic programs, and assistance for new freshmen with the registration procedure. Peer advisers are also available during Transfer Student Evaluation Day to answer questions about general College policy.

Other Advisory Services

The CUNY Office of Academic Affairs and Special Programs sponsors ethnocounseling and advisement services, including vocational interest testing, with primary emphasis toward Italian-American students.

Appointments can be made through the Dean of Students' Office, Powder maker 128, or the Italian-American Studies Office (or FIAO) in Room 305 in the Student Union.

Pre-Professional Advisement

Health Professions advisers offer assistance to students planning careers in medicine, dentistry, pharmacy, veterinary medicine, or other health professions. The Law Advisement Committee, in the Science Facility Building, Room 340 (997-3624), advises students who plan to study law. Information on pre-engineering programs is available from the Physics Department (997-3350).

Minority Advisement

Advisement for minority students is located in Powder maker 128 (997-5420). Information is available concerning various academic programs, Summer internships, and career opportunities that minority students may wish to pursue.

International Students on a student visa must file a student information card with the Office of Foreign Student Advisement, Jefferson 105 (997-4440), as required by the U.S. Immigration Service. Foreign students requiring immigration forms for visa status, trips out of the U.S., employment off campus, and transfer from Queens College should go to this office with their passport and I-20 ID card. See also the Health Service Center and Financial Aid.

The Committee for Disabled Students, Kiely 175 (997-5899), is an organization of disabled and non disabled students working together to provide information and equipment to assist students with temporary or permanent disabilities. In addition, the Committee helps disabled students to participate in the educational and social life of the campus.

Veterans. Queens College is an approved training institution for veterans, disabled veterans, and children of deceased or totally and permanently disabled veterans. Students who believe they are eligible for benefits can be certified to the Veterans Administration by going to Jefferson Hall, Room 106 as soon as possible after registration.

Students must notify the certifying official of all changes in their credit load in order to insure their eligibility for future benefits.

DIVISION OF THE DEAN OF STUDENTS Powder maker Hall 116 997-5500

The Division of the Dean of Students is part of the College's effort to educate the whole person. This group of caring and talented professionals is committed to facilitating emotional, psychological, social, and intellectual growth and development.

These services are part of your education outside of the classroom to supplement your education inside the classroom.

Financial Aid Services Powder maker Hall 127 997-5100

Hours: See below

The Financial Aid Office provides information and counseling to full-time and part-time graduate and undergraduate students on the various financial aid programs (grants, work, and loans) offered by New York State, the federal government, and private organizations.

Counselors are available from 9:30 am to 4:00 pm, Monday to Thursday; 9:30 am to 2:00 pm, Friday; and 5:00 to 7:45 pm, Tuesday and Wednesday evenings (when classes are in session) to assist students with the completion and processing of aid applications, and to help them resolve problems related to their financial aid.

Minority Affairs

Powder maker Hall 128

997-5420

Hours: 8:45 am to 4:45 pm

In cooperation with the Pre-Health Advisory and Pre-Law Committees, the Minority Affairs Office of the Counseling Center provides academic and social support to minority students interested in entering pre-professional and professional courses of study (pre-medicine, pre-dentistry, podiatry, optometry, pre-law, accounting, pre-engineering, etc.).

Career Development Center

Jefferson Hall 201

997-446S

Office Hours: Monday-Thursday, 8:45 am-4:45 pm; evening hours:

Wednesday until 7:30 pm when classes are in session;

Summer evening hours by appointment

Service Hours: 9:00 am-4:00 pm

The Career Development Center is the student's link between the academic and the business and professional worlds. A wealth of resources is available to assist in making career transitions and changes. Services offered include:

- Assistance in making choices of major and career
- Forums with opportunities to talk informally with people in the field about career entry and advancement
- Workshops to help with resume preparation, interview techniques and job-seeking skills
- On-campus recruitment for graduating seniors
- Full-time career opportunities
- Part-time job opportunities
- Career and employer information
- Credential Services: For a modest fee, students can maintain their files, which can be renewed every four years.

Cooperative Education and Internships Kissena Hall 332

520-7693

Hours: Monday-Thursday, 9:00 am-4:00 pm;

Friday by appointment only;

Evening hours by appointment

Cooperative Education and Internships is a supervised education program that integrates classroom learning with: work experience that is career related, pays wages, and earns college credit (Co-op); or field experience pertinent to a course or topic of study that earns department credit (Internship). The program provides students with an individualized, structured *career exploration plan* that includes:

- Career counseling
- Resume preparation
- Interviewing techniques
- Job-search strategies
- Work experience

- Professional enrichment

In addition, the program offers students undergraduate courses for credit. For more information, contact Dr. Sophia Demetriou (520-7693).

Health Service Center

FitzGerald Gym 204

520-7477

Hours: Monday-Friday, 8:45 am-4:45 pm

Registered nurses are available to administer first aid and emergency care to anyone who becomes ill or injured on campus. Other services and materials include:

- Health teaching and counseling
- Blood pressure screening and monitoring
- Scales for height and weight
- Eye tests for drivers
- Booklets and pamphlets on health topics
- Health care referrals

All student health records as well as consultations between students and nurses are strictly confidential. Our nurses are especially sensitive to the needs of students, and preventive health care is a high priority.

Office of Student Activities Powder maker Hall 103

997-5390

Hours: 9:00 am to 4:00 pm

As part of the College's total educational program, the Office of Student Services provides students with an understanding of themselves and of their social and cocurricular environment. The Student Activities Program enhances the intellectual and cultural life of the campus community by providing opportunities for students to participate as members of organizations and to plan and conduct various activities. Examples include:

- Coordination of campus voter registration
- Registration of all undergraduate and graduate student organizations
- Publication of an annual student activities brochure for incoming students
- Management of Academic Senate and Student Government elections
- Coordination of Who's Who and Honors and Awards applications

The Child Development Center at Queens College

Kiely Hall 245

997-5885

Hours: Monday-Thursday, 8:00 am 9:00 pm;

Friday, 8:00 am-4:00 pm

The Child Development Center provides quality child care and an early childhood education program for children (2 years and 9 months to 6 years) of QC students. Students are able to register their children according to their own class/study schedule. Fees are based upon the number of hours each child is registered in the Center. The Center is licensed by the NYC Department of Health and staffed by professional early childhood educators.

Office of Special Services Kiely Hall 171 997-5870

Hours: 8:00 am to 4:00 pm

The Office of Special Services provides a full range of services to enhance educational and vocational opportunities for students with disabilities. These services include orientation, special registration, counseling, academic advisement, vocational testing, peer counseling, and career development activities.

In addition to serving students on campus, the Office of Special Services offers a program for homebound students via a two-way telephone conference system.

Scholarships Adviser, Committee on Honors and Awards

Powder maker Hall 119

997-5502

Hours: Monday and Wednesday, 10:30 am to 1:30 pro;

Thursday, 10:30 am to 2:30 pm

The Office of the Dean of Students provides administrative support to the College's Committee on Honors and Awards. This Committee selects the recipients of prizes for graduating seniors, recommends criteria for graduation with honors, and considers requests for waivers of requirements for graduation with honors. The Scholarships Adviser helps students on national and state fellowship programs for graduate study.

A member of the faculty is available to discuss matters of interest to prospective candidates for Marshall, Rhodes, and Fulbright Scholarships; Mellon, National Science Foundation, and Jacob K. Javits Fellowships; and other awards. Marshall Scholarships, highly competitive, enable Americans to study for degrees at British universities. Rhodes Scholarships provide an opportunity to study for three years at Oxford University. Mellon Fellowships provide support for graduate study in the humanities. Fulbright Scholarships are for students who wish to pursue graduate study abroad. NSF Fellowships are awarded for study leading to advanced degrees in the mathematical, physical, medical, biological, engineering, and social sciences, and in the history and philosophy of science. They are tenable at any nonprofit U.S. or foreign institution of higher education offering advanced degrees in science. Javits Fellowships support studies leading to the doctoral degree in selected fields.

Students considering graduate work who want to know what awards are available should make an appointment to see the Scholarships Adviser.

This same office also oversees the Queens College Scholars Program and administers College-sponsored scholarship programs.

Upward Bound Project J Building 520-7606

Queens College Upward Bound is a federally funded college preparatory program designed to provide rigorous academic instruction, individual tutoring, and counseling for low-income and first-generation high school students from the borough of Queens.

Upward Bound, one of the oldest Trio Programs (Trio refers to five programs under Title IV of the Higher Education Act of 1965: Educational Opportunity Centers, the Ronald McNair Post-Baccalaureate Achievement Program, Student Support Services, Talent Search, and Upward Bound) has been operational at Queens College since the height of the civil rights era in 1966.

During the Summer, students participate in a six-week intensive high school credit-bearing program of daily instruction, individual tutoring, counseling, and other support services. A follow-up instructional and tutorial program is conducted during the academic year for enrichment and as a supplement to the home school.

The Upward Bound Project is intense, personal, and exciting, offering young high school students an opportunity to maximize their success in high school, while at the same time preparing themselves for entrance into college.

Campus Parking

Due to construction, parking space on campus is extremely limited, and only a small number of students can be accommodated. During the day, the College provides parking for faculty, staff, and students with severe physical handicaps. During the evening, limited space is available for students in courses beginning after 3:00 pm. Students should plan their programs without assuming that parking will be available; program changes cannot be made due to the lack of parking.

Applying for Parking

Applications will be accepted only during the regular registration period and the first week of classes.

Applications for parking may be made at the Security Office, Jefferson Hall, Room 204, with proof of school registration (computer printout or bill only acceptable ,proof).

Applicants must also produce a driver's license and the car registration (which must be in the student's name or in the family name) at the time of application. Permits are assigned on the basis of need, determined according to a point system. Information concerning this system is available with the parking application. The Security Office will advise when you should return to learn whether you have been approved for parking. (This information will not be available over the

telephone.) Office hours will be posted at time of application. Approved applicants will receive a parking decal from Security after payment of \$85 to the Bursar.

Students purchasing a parking decal will receive a copy of the parking and traffic regulations. Decals must be permanently affixed (not taped on) according to the directions printed on them. Lost or stolen decals will not be replaced; they must be repurchased at full price. Parking fees are not refundable. Violation of campus parking or traffic regulations can result in fines, suspension of parking privileges, tow-away, withholding of transcripts, and blocking of future registrations until fines are paid. Parking fees and fines are subject to change without notice.

Students with Physical Handicaps Applications based on physical handicap must be made through the Health Service Center, FitzGerald Gym 204. After picking up an application in the Security Office, the student should proceed to the Center for certification.

Athletics

In the belief that an integrated curriculum should foster students' physical as well as cognitive abilities, the Queens College Athletics Office presents students with an opportunity to participate in and to enjoy varsity as well as intramural and recreational athletics.

The intercollegiate athletic program provides students an opportunity to participate in sports on a high level of competition. Students also assist in organizing and conducting these events.

The intercollegiate program competes on the varsity level for both men and women. The following teams are open to all students who have matriculated and have satisfied the necessary academic requirements as specified by Queens College and the NCAA: baseball, basketball, cross country, golf, lacrosse, soccer, softball, swimming, tennis, track (indoor and outdoor), volleyball, and water polo.

The recreation program is made up of two components: organized intramural activities and informal open recreation. Students who wish to participate in either program should contact the Recreation Director. Open recreation consists of basketball, swimming, weight lifting, running, volleyball, softball, tennis, and many other activities. The hours when the facilities for these activities are available are posted in the Recreation Office at the start of each semester. The intramural program is composed of many of the same activities listed above, plus special events such as three-on-three basketball and volleyball tournaments and a Turkey Run. Students may enter as a team or ask to be placed on an existing team. Announcements about specific activities and the appropriate forms may be obtained in the Recreation Office in FitzGerald Gym, Room 216. Students interested in any of these areas may contact the Athletics or Recreation Office in FitzGerald Gymnasium.

CURRICULUM

A liberal arts and sciences college, Queens offers students the preparation for enriching their lives, enhancing their understanding of the world, thinking constructively and independently, and making creative contributions to their local community and to society.

The Divisions

Queens College has three curricular divisions: Arts and Humanities, Mathematics and Natural Sciences, and Social Sciences; and two professional schools: the School of Education and the Aaron Copland School of Music. They are described on page 6.

Within the divisions, the College is divided into academic departments, each with its own Chair and the faculty members who teach within it. The student's major is usually taken in a specific department, although it may be interdisciplinary (see The Major, page 39). For the most part, department offices and faculty members' offices are located close together (see the Directory).

The Baccalaureate Degree

The baccalaureate degree (see this page and pages 43-45) is granted to all degree students who complete a total of 128 credits - including basic skills and area requirements and a unified group of courses known as the major - and meet the other baccalaureate requirements listed below.

Requirements for the Baccalaureate Degree

1. The completion of at least 128 credits of college-level work approved by the College.
2. Completion of Basic and Advanced Learning Skills Foreign Language, Physical Education, and Liberal Arts and Sciences Area Requirements (see below).
3. A minimum of 45 credits in residence at Queens College during the student's undergraduate career.
4. At least 30 of the last 64 credits credited toward the degree taken at Queens or the CUNY Graduate Center.
5. A cumulative index of 2.0 or better based on work done only at Queens.
6. The satisfactory completion of the requirements in the major area of concentration, as determined by the appropriate Queens College department or program. At least one-third of the credits in the concentration must be taken in residence at Queens College, except when a departmental waiver is given.

Requirements for the Second Baccalaureate Degree

Queens College may award a baccalaureate degree to students who have already earned one.

1. The student must have completed a baccalaureate degree from an accredited U.S. college or university, or from a foreign institution of equivalent level, with a cumulative grade-point average of at least 2.0.
2. The second baccalaureate degree will be in a field of study different from the major of the student's first degree.
3. The student must be accepted by the academic department or program of the second major, subject to the recommendation of the Dean of the division or school in which the new major is offered.
4. The student will complete at least 45 credits of course work at Queens beyond that applied to the first degree.
5. The student must complete all requirements in the second major area of concentration as defined by the appropriate QC department or program. At least 20 credits of the major requirements must be taken at Queens. Departments may define more stringent residency requirements.
6. The student must achieve a grade point average of at least 2.0 at the end of the first semester (or first 10 credits) to remain in the program; thereafter the student must maintain a 2.0 average. Departments may define a more stringent grade-point average requirement.
7. The student who holds a baccalaureate degree from an institution other than Queens must satisfy the College's basic and advanced skills requirements and Liberal Arts and Sciences Area Requirements (LASAR) in effect at the time of admission by:
 - a) passing the CUNY Assessment Tests and having prior course work evaluated as being the equivalent of courses used to satisfy QC skills requirements and LASAR; or
 - b) completing successfully at Queens all courses necessary to satisfy QC skills

requirements and LASAR; or
c) a combination of a) and b) above.

Courses taken by such students to satisfy skills deficiencies - English 95, Reading 1, and Math

6 may not be applied to the 45-credit residency requirement. Courses taken to satisfy requirements in English composition, foreign language, physical education, and LASAR may be applied to the residency requirement.

8. The student who already holds a baccalaureate degree from Queens College has satisfied basic skills and general education requirements of the College, but is bound by the other requirements.

Graduation Procedure

Candidates for degrees must declare their candidacy by filing a diploma card with the Office of the Registrar in accordance with the following schedule. For February graduation, file on or before November 15; for May graduation, file on or before March 15; for September graduation, file on or before July 1.

Diploma cards may be obtained at the Office of the Registrar (Jefferson 106). Candidates are encouraged to file diploma cards when they register for their last semester. A diploma card should be filed as long as there is a reasonable certainty that all degree requirements will be satisfied by the end of the semester preceding the graduation date. Diploma cards received after the deadlines listed above may not be processed.

Basic and Advanced Learning Skills Requirements CUNY REQUIREMENTS

The Board of Trustees has mandated that students meet a University-wide minimal level of skills proficiency before entrance to the upper division. Consequently, students will be tested in these areas after admission but prior to their freshman year, so as to determine whether they meet the minimal University standards and the College's standards.

All students are required to take CUNY assessment tests in writing, reading, and mathematics. Students who do not pass one or more of these tests must comply with College requirements for remediation before retaking the test. Students must pass all three tests by the time they reach 60 credits. If they do not, they will be dismissed from the College.

The Academic Skills Center's Office of Assessment Testing is responsible for administering the CUNY assessment tests to all students at Queens College. Students with physical or learning disabilities that require special accommodation are served through the following procedure:

1. Students make a request for special test conditions to the Office of Special Services (Kiel 171). Medical and/or psycho educational documentation is required.
2. Office of Special Services staff review the documentation and determine the appropriate accommodations. All such accommodations - extended time, oral presentation of exam materials, use of visual enlargers or calculators, etc. - are offered to students whose disabilities handicap them during standard test administration.
3. Students are then referred to the Office of Assessment Testing (Kiel 231) for an appointment.
4. The Offices of Assessment Testing and Special Services work together to assure appropriate time, space, and personnel considerations.

College Preparatory Initiative CUNY's College Preparatory Initiative (CPI) requires that all students who graduate from high school in June 1993 and thereafter fulfill subject matter requirements. These may be met by appropriate high school courses or, in the absence of meeting these requirements in high school, through selected courses offered at the College. These requirements are in addition to others noted in this *Bulletin*.

All students who will be affected by this regulation will be given a "CPI Transcript," which will indicate those requirements not met by work taken in high school or by college work taken elsewhere. Students graduating from New York City high schools may obtain information about CPI from their school; others may obtain a fact sheet from the College's Counseling and Advisement Center in Powder maker Hall 128.

QUEENS COLLEGE REQUIREMENTS**English Composition**

A condition for registration at the College for all undergraduate students is testing and placement with respect to proficiency in the use of the English language.

All students entering Queens College for the first time - including transfer students or non-degree students who have been required to take remedial courses or College English as a Second Language (CESL) - will be expected to demonstrate their competence in writing English on the CUNY Writing Assessment Test. Students transferring from other CUNY institutions may submit their original scores in lieu of retaking the test. Students re-entering after an absence of one year or more who have not yet passed English 120 will be resettled and appropriately placed.

Non-degree undergraduate students on a temporary visa may be evaluated on the basis of the TOEFL (Test of English as a Foreign Language) or other examinations. If their scores warrant admission to Queens College (a minimum of 500 on the TOEFL and at least 50 on each part), they will be tested and placed into CESL or other English courses based on their performance on the Reading and Writing portions of the Assessment Test.

The basic sequence of writing courses, required of all students graduating from Queens College, is English 110 and 120. SEEK students will normally take English 101 and 102 instead of English 110. It is important that students pass these courses in their first semesters at Queens and before they begin taking advanced courses in any department of the College.

This requirement may be waived in part or completely on the basis of the Basic Skills Assessment Test and advanced placement in English. Qualified students may be exempted from English 120 on the basis of exceptional writing ability and by recommendation of an instructor in English 110 or 102.

Townsend Harris High School graduates may be granted advanced standing in English Composition equivalent to English 110 and 120, as long as the writing component of their program is judged by the English Department to equal or exceed that of English 110 and 120.

Students who, on the basis of the CUNY Writing Assessment Test, may not be admitted to English 110, will take English 95 (formerly English 105) as prerequisite to English 110. This course, or any lower-level or CESL course required, must be taken in the first semester of residence, and the student must remain continuously registered in this course or a required sequence until English 95 is passed. Most other departments also will not allow registration in their courses until the student has passed or is taking English 95. This is indicated in footnotes to the course descriptions in this *Bulletin*. A student may not drop a required English course more than once without permission from the Undergraduate Scholastic Standards Committee, and will face dismissal if continued registration is not maintained.

Students who are taking English courses below the level of English 95 will be permitted to register for other courses *only* with the written approval of a CESL academic adviser. SEEK students must have written approval of their SEEK academic adviser. Students who have registered without such permission will be dropped from these courses.

The Queens College English writing requirement (English 110 and 120 or the equivalent) must be completed before entrance to the upper division of the College. Students entering as freshmen must complete the requirement within the first 60 credits. Students who have completed 60

credits but have not yet passed English 120 will not be allowed to register for any other courses until they have completed the basic English requirement.

Similarly, students who are admitted with advanced standing with more than 60 credits, and who have not satisfied the writing requirement, must do so within their first two semesters at Queens. Exception to these restrictions may be granted only by the Undergraduate Scholastic Standards Committee.

Transfer students who have taken college-level composition courses must justify their equivalence to Queens courses by the CUNY Assessment Test. A student who fails to pass into English 110 may obtain only blanket credit for English composition courses taken elsewhere. A student who does not place above English 110 may not transfer credit for a course to satisfy the requirement, and may receive only blanket credit for a course that otherwise might be considered equivalent to English 110. Similarly, students who do not place above the level of English 120 may not satisfy the requirement by transfer credit.

Reading

Students may not register for the second semester in attendance unless they have either passed the CUNY Reading Assessment Test or are maintaining enrollment in Reading I or another appropriate (SEEK or CESL) reading sequence.

Students who fail the CUNY Reading Assessment Test after having taken Reading I or Reading 103 (SEEK) must reregister for the course continuously until they pass the test.

Mathematics

Entering students are expected to demonstrate competence in arithmetic and algebra. Competence in these areas is proven by passing the CUNY Math Assessment Test and the Queens College Math Department Placement Test or by having passed the Regents examination in intermediate algebra and trigonometry or the Sequential Course III Math Regents. Students who do not demonstrate such competency will be placed in a basic skills mathematics course (Math 4 or 6), which must be started during the student's first two semesters at Queens College.

Note: If placed in Math 4, students must also pass Math 6 or the Queens College Math Department Placement Test to satisfy the basic mathematics requirement. Students who fail the CUNY Assessment Test, regardless of placement, must retake and pass the CUNY test by the time they complete their 60th credit.

This requirement may not be met simply by receiving transfer credit for a course that at Queens College has Mathematics 6 as a prerequisite.

Students may retake the Queens Math Department Placement Test and then be exempted, if they qualify, from the requirement.

For information about the CUNY Assessment Test, contact the Test Center in Kiel 127 (997-5680). For information about the Queens College Math Department Placement Test, contact the Department of Mathematics.

Foreign Language

All baccalaureate students who entered Queens College in September 1981 or later must attain a knowledge of a foreign language equivalent to three semesters of study at the college level. Music students should see the Music School section in this *Bulletin* for their foreign language requirement.

1. Students who successfully complete the third level of foreign language instruction at the high school level or who achieve a passing grade on the New York State Regents Comprehensive Language Examination, Level 3, are exempt from this requirement.
2. Students who have studied a foreign language or whose native language is not English may be exempted from part or all of this requirement by passing one of the competency examinations administered by the foreign language departments. They may also be exempted from part or all of this requirement on the basis of scores obtained on other externally administered examinations approved by the foreign language departments.
3. Students should enroll in the most advanced course in a sequence of courses in a given language for which they are qualified by either placement or previous study. Normally, one year of study of a foreign language at the high school level is the equivalent of one semester of study at the college level. Students not certain of the appropriate course level should take the department placement examination and consult with an adviser in the language department in question.
 - a) It is the responsibility of students to find out from the appropriate department what level of language they should register for and to obtain permission from the Department Chair if there is any doubt. Students may not receive credit for taking courses below the level of

their competency as determined by the instructor or by the placement examination. If the instructor finds that a student is already competent at the level of instruction, it will be reported to the Department Chair, who will notify the Registrar to cancel credit for the course.

b) Neither blanket nor equivalent credit shall be granted for introductory courses in a foreign language from which a student has been exempted by examination.

Health and Physical Education

All baccalaureate students at Queens College shall complete satisfactorily one course in physical education selected from Physical Education 11 through 30, or 101 through 145, or, for ACE students only, Physical Education 32. Students with physical and medical problems whose physician has stated in writing that it would be medically inadvisable to complete a physical activity course, may select Physical Education 30, a 3-credit academic (classroom) course (Fitness Through Diet, Exercise, and Weight Control) that does not include a physical component.

The Major

Planning a Course of Study

A major is a concentration of study in a department or allied departments. It enables students to concentrate part of their energies on a particular field of learning so they can prepare for the kind of work they are interested in and also prepare for any graduate training that may be necessary for further specialization. (See Academic Advisement below.) A concentration form should be filed in the student's major department/program, generally by the end of the sophomore year. By doing so, the student is assigned an adviser and is eligible for departmental services such as pre-registration. Further details on departmental and area studies majors can be found in the *Bulletin* and in departmental/program handbooks available in the department/program office.

An interdisciplinary major (described under Interdisciplinary and Special Studies, page 151) cuts across academic disciplines and enables students to design a program of study for the major that is specially suited to their needs and interests.

Academic Advisement

Freshman Advising. All new freshmen attend an advisement program before their first registration. They are required to attend an advisory workshop and have their first semester's program approved. During the first semester the faculty adviser is available to students to assist in academic matters.

Day Session. The Counseling and Academic Advisement Center, through its Peer Advisement Program, offers opportunities for students who have not yet made a decision about a major to learn about the fields of study available at Queens.

Students are welcome to come to Powder maker 128 and see a peer adviser to discuss curriculum choices and fields of concentration and to learn about College rules and regulations no appointment is necessary. Professional staff members are available for individual advisement or counseling sessions (see page 32).

Students who have already decided on a major should ask to be assigned to faculty members in the department or program of their choice, who will serve as advisers and assist in proper course selection.

Evening Session. Evening students may schedule an appointment with an adviser any evening, Monday through Thursday, between 5:30 and 8:00 pm in Kiel 111 (997-5700).

The Interdisciplinary and Special Studies Office (Kiel 707) works directly with individual students in planning honors work or interdisciplinary programs. (See Interdisciplinary and Special Studies, page 151.)

Pre-Professional Advisement. The Health Professions Advisory Committee (SB B338) offers assistance to students planning careers in medicine, dentistry, chiropractic, pharmacy, veterinary medicine, or other health professions. The Law Advisement Committee (Powder maker 075) advises students who plan to study law. Information on pre-engineering programs is available in

the Physics Department (SB B334). (See also Pre-Professional and Professional Programs, page 41 .)

The Executive Officer of the Undergraduate Scholastic Standards Committee of the Academic Senate, or an Evening Studies representative, is available to discuss problems involving extra credits, dropping courses (currently or retroactively), reinstatement, extensions of time to complete courses, or other special committee action. The student may appeal to the executive officer of the USSC for adjustments in scholastic requirements that may be appropriate to both the student's needs and the standards of the College.

For assistance, day students should go to Jefferson 102; evening students who are unable to come to campus before 3:00 pm should go to Kiel 111.

The Undergraduate Scholastic Standards Committee *Handbook of Grades, Degree Requirements, and General Scholastic Standards* is available from the Committee office in Jefferson 102.

The Bachelor of Fine Arts

For specifics, see the Art Department section in this *Bulletin* and consult a department adviser.

CUNY B.A.

The City University and the College offer a variety of individualized routes to the baccalaureate that include field experience and individualized study under intensive supervision. The CUNY B.A. is open to all students. Those interested should see Associate Dean Hratch Zadoian (Kiel 711) as early as possible in their college careers.

B.A.-M.A. Degrees

The Departments of Anthropology, Chemistry and Biochemistry, Philosophy, Physics, and Political Science, and the Copland School of Music offer qualified undergraduate students the opportunity to receive combined Bachelor's and Master's degrees. Application to the B.A.-M.A. program should be made in the upper sophomore or lower junior semester through the Office of Graduate Studies, Powder maker 100G. Admission is granted only in the junior year. Full details and application forms are obtainable from the Chair or graduate adviser of the department in question or from the Office of Graduate Studies.

The B.A.-M.A. degree programs are officially registered with the New York State Department of Education under the following HEGIS codes:

Program	Degree	HEGIS Code
Anthropology	B .A.-M.A	2202
Chemistry	B.A.-M.A	1905
Music	B.A.-M.A	1004
Philosophy	B.A.-M.A	1509
Physics	B.A.-M.A	1902
Political Science	B.A.-M.A	2207

Changes in Degree Requirements Matriculated students enrolled in graduate or undergraduate programs are responsible for meeting degree requirements in force at the time of their matriculation. Changes to the structure of a major must be applied in such a way as to avoid increasing the number of credits required of students who have started taking courses required for the major. If general degree requirements are changed following matriculation, the student is given the option of satisfying the original requirements or new requirements. The above policy includes those undergraduate students who were matriculated, took a leave of absence (while in good standing), and then return to the College.

Students who are dismissed for academic reasons may be subject to the new regulations, depending on how long after dismissal the student returns and such other factors as may be taken into account by the appropriate Scholastic Standards Committee.

The six-year graduation rate for Queens College is 35.2 percent. Students should be aware that the graduation rate varies significantly based on individual preparedness.

The Minor

Some departments offer a minor - a program of 15 or more credits that students can take to supplement their major or to pursue an area of interest. A minor concentration form must be filed with the department, and the minor will appear on the student's transcript.

Effective for students declaring their minor on or after the Spring 1986 semester, a minor must include 9 credits of courses at the 200 level or above.

Electives

Students may complete the remaining credits needed for their degree by taking courses in any department they choose. These courses are called electives and do not require faculty approval; however, depending on the course, students may need to have department permission or certain prerequisite courses. Electives may be used to supplement the major (an English major may want to take a course in French or Italian literature) or to fulfill interest in a totally different area (an English major may also be fascinated by mathematics and choose electives in the Math Department). If professional requirements also must be met, as for secondary school teaching or medical school candidates, the electives will provide the additional credits necessary.

Honors in the Western Tradition This is a carefully constructed series of courses whose subject is the masterpieces of the Western heritage and whose methods are reading, writing, and discussion in small sections of select students. The sequence fulfills most of the Liberal Arts and Sciences Area Requirements of the College. A student who completes this area of study must complete a major as well. For a list of the courses and further details, see page 150.

Interdisciplinary Studies

This program is the medium through which students may develop a major around subjects and problems not confined to one or even two departments. The SPST 399 Honors Project course enables exceptional students to pursue independent study.

Information about the program, schedule, registration procedures, credit allocations, and special events is available at the Interdisciplinary and Special Studies Office (Kiel 707).

City University SEEK Program The SEEK Program (Search for Education, Elevation, and Knowledge) is an admissions alternative and educational opportunity program. Its mission is to serve with distinction students with academic aspirations who are educationally under-prepared and low income.

The SEEK Program at Queens College is designed to help students achieve academic success by providing support and assistance in four major areas: instructional, financial, counseling, and tutorial.

Instructional

Based upon performance on the CUNY Assessment Test, students will register for the required reading, writing, and mathematics courses. These courses, with specialized instruction designed to master learning skills, meet the College's basic skills requirements. Satisfactory completion of basic skills and LASER requirements will enable students to pursue majors of their choice.

Financial Aid

To receive financial assistance from the SEEK Program, each student must file a Free Application for Federal Student Aid. This form is used to apply for the following types of financial aid: 1) SEEK stipend, books, and fees; 2) College WORK study Program (CWSP); 3) Perkins Loans; and 4) Supplemental Educational Opportunity Grants (SEOG).

For incoming SEEK students, the documentation presented with the Free Application for Federal Student Aid determines economic eligibility for the SEEK Program. A student is not officially accepted until economic eligibility has been verified. Each student is assigned a Financial Aid Counselor to assist in all matters related to financial aid.

It is mandated by the State that all SEEK students must apply for TAP and Pell before receiving financial assistance from the SEEK Program.

SEEK Financial Aid Counselors are located in Powder maker 127.

Counseling

Counseling services for each student are an integral part of the program. All students are assigned a counselor when they enter SEEK, and remain with a personal counselor throughout their college studies. The SEEK counselor provides academic, career, and personal counseling services.

In addition, each incoming freshman is required to register for a Student Life Workshop in the first semester of attendance, which is taught by members of the counseling staff.

The SEEK Counseling offices are located in Delany Hall.

Tutoring

Tutorial services are offered to SEEK students in all courses. Individual tutoring, group tutoring, and workshops are available. The Learning Skills Center is located in Delany Hall 308.

Pre-Professional and Professional Programs

Education. The School of Education offers undergraduate programs preparing students for teaching in nursery school, elementary school, middle school, junior high school, and senior high school. Because Teacher Education programs qualify students to meet the New York State Certification standards set forth for prospective teachers, students who plan to teach should visit the Department of Elementary and Early Childhood Education and Services (Powder maker 182), Secondary Education and Youth Services (Powder maker 193), or Educational and Community Programs (Powder maker 051) for further information.

Accounting. The Department of Accounting and Information Systems offers courses in accounting, business law, and taxation required by the New York State Board for Public Accountancy for admission to the CPA examination (see page 73). These must be supplemented by other specified courses, the remainder of the credits needed for graduation, and appropriate experience. A graduate of this program who then passes the Public Accountancy Board's examinations and meets the experience requirements will be granted a certificate as a Certified Public Accountant. Accounting majors earn the B.A. degree.

Pre-Law. Preparation for the study of law should be as wide as the whole field of human relations, including the social sciences, the humanities, and the technological aspects of contemporary life. There is no particular pre-law curriculum that must be followed. Mastery of both written and spoken English and communication skills will increase the lawyer's effectiveness. Study of the social sciences, with special emphasis on government and on economic and social institutions, offers an indispensable background for an understanding of the law.

All entering freshmen and other students contemplating or already committed to careers in law should register with the Law Advisement Committee in SF 340. The Committee, which is an interdepartmental undertaking, offers many services to assist students planning to go to law school. Committee members also serve as department law advisers in the political science, economics, English, communication arts and sciences, accounting, history, and sociology departments. All pre-law students will be advised, however, regardless of major concentrations. The Committee will hold several general law conferences each year in addition to individual advisement interviews. Guest speakers are frequently sponsored, drawn from the fields of law school admissions officers, practicing attorneys, and persons in the legal support field. There is also the opportunity to participate in a unique undergraduate program that includes Moot Court competitions and publication of a law journal, sponsored by the Bench and Bar Association and the Law Club.

Prospective law students will be advised regarding law school admissions. The Law School Admission Test (LSAT) is given several times a year and is required by virtually all law schools. The LSAT should be taken, if possible, the June preceding senior year. Applications for the test can be obtained in SF 340.

Doctoral Health Professions. Preparation for the study of medicine, dentistry, podiatry, optometry, veterinary medicine, and chiropractic requires sound basic training in biology, chemistry, mathematics, and physics, as well as a good education in the liberal arts. Chemistry is generally required through organic chemistry. A minimum of one year each of physics and biology is required; additional science courses are recommended.

Most medical, dental, and other professional schools expect a college degree for entrance. Prospective applicants to a health profession school may fulfill their concentration requirements in any department. They should apply for approval of their concentrations in the department of their choice by the end of the upper sophomore semester. Regardless of the department of concentration, students should complete, by the end of their junior year, a *minimum* program including biology, chemistry, mathematics, physics, and English.

The completion by the junior year of some additional upper-level courses in chemistry and mathematics is expected of chemistry and biochemistry majors; additional upper-level courses in biology are expected of biology majors.

All entering freshmen and other students who are contemplating a career in the health professions should see the Chair of the Health Professions Advisory Committee for advice on the pre-professional curriculum. The Committee provides letters of evaluation to health-profession schools and also offers advice and guidance to candidates for admission to those schools. Applications for admission to professional schools should be made in the Summer or very early Fall one full academic year before the student intends to enter. In the Spring semester preceding application to these schools, from February 1, prospective candidates *must* register with the secretary of the Committee and be interviewed for evaluation by the Committee.

Nationally administered tests are given each year for prospective medical, dental, and other health-profession students. Virtually all professional schools require that applicants take these tests. Applications for the Medical College Admission Test, the Dental Admission Testing Program, and the Optometry Admission Test may be secured from the Health Professions Advisory Committee (Science Building B338).

Non-Doctoral Health Professions. Students considering pharmacy, physical therapy, physician's assistant, nursing, and other non-doctoral health professions should consult the health professions adviser (Science Building B338).

Engineering Combined Plans/PreEngineering. Although Queens College does not offer an engineering degree, a student can transfer for the junior and senior years to one of several engineering schools upon satisfactory completion of a prescribed plan of courses. Plans have been developed cooperatively with two schools of engineering. They are known as the City College (2-2) Plan and the Columbia University (3-2) Plan. In each case, the first figure in the parentheses represents the number of years spent at Queens on the pre-engineering part of the program. The second figure represents the number of years to be spent at the respective engineering school. Degrees are awarded by the engineering school, and students must satisfy the requirements of that institution. Detailed requirements and a semester-by-semester schedule of courses in each of these curricula are available from the Physics Department.

Students who begin the pre-engineering course sequence may transfer to the Queens College Bachelor of Arts program if they decide not to pursue an engineering career. The later a student makes the transfer, the likelier it becomes that more than four years will be necessary to complete all degree requirements.

Students who want to attend engineering schools other than those mentioned above should study the catalogs of these schools to determine their requirements.

Post-Baccalaureate Pre-Health Concentration

The *concentration* is available to students who have completed a baccalaureate and wish to complete the admissions requirements for the various health-profession schools. Typically, these requirements are general chemistry, organic chemistry, general biology, general physics, and some calculus. Many students continue and take some electives in biology or biochemistry.

All students interested in the *concentration* should consult the health professions adviser (Science Building B338), who will suggest, on an individual basis, the structuring of a suitable curriculum.

Pre-Optometry. Queens offers courses that satisfy all admission requirements to optometry schools. The College also has an affiliation agreement with the SUNY State College of Optometry, whereby selected freshmen, sophomores, and others may be enrolled in a pre-optometry curriculum, successful completion of which may lead, after the award of the B.A., to entry to SUNY State College of Optometry.

Academic Skills and Resource Center

The Academic Skills and Resource Center administers programs in basic academic skills, provides tutoring services, and operates the Office of Assessment Testing. The Office of Assessment Testing (Kiel 231) administers the CUNY Assessment Test in reading, writing, and mathematics, and reports test scores to students. All students are required to take these tests prior to their first registration in the College and to have achieved passing scores on all three before moving on to their 61 st credit.

The Academic Skills and Resource Center coordinates the College Reading course as well as the Writing Skills Workshop (Kiel 232) and the Reading Lab (Kiel 131), which provide tutoring and other support services in writing and reading. The Department of Mathematics coordinates the Math Lab (Kiel 331), which provides tutoring and other support services in mathematics.

These services are available to all students at the College. The Skills Center is located in Kiel 223, and its director is Dr. Howard H. Kleinmann.

College Reading and Stud./ Skills Program

The College Reading and Study Skills Program, also coordinated by the Academic Skills and Resource Center, is designed to help students develop skills that will enable them to prepare, read, comprehend, and complete their college assignments effectively (see page 202).

Graduate Programs

Queens offers the Master of Arts degree in applied linguistics, art history, biology, chemistry and biochemistry, communication arts and sciences (including media studies, speech pathology, and audiology), computer science, economics, English, French, geology, history, Italian, Latin American area studies, mathematics, music, physics, political science and government, psychology and psychology: clinical behavioral applications in mental health settings, sociology, Spanish, and urban affairs. The degree of Master of Arts in Liberal Studies is also offered.

The Master of Science degree in Education is offered in Elementary Education (N through 6), Secondary School Education (art, English, home economics, mathematics, music, physical education, Romance languages [French, Italian, and Spanish], science, and social studies), Counselor Education, Reading, School Psychology, Special Education, and Teaching of English as a Second Language. There are Advanced Certificate programs in Marriage and Family Counseling, School Administration and Supervision, School Psychology, and Latin American area studies.

The degree of Master of Fine Arts is offered in painting or sculpture.

A program in Library Studies, leading to the degree of Master of Library Science, is offered with specialization in school or public, academic, and special librarianship. A post-master's certificate program is also offered.

Doctoral Programs

Many Queens College faculty are members of the doctoral faculty of the City University. The following Ph.D. degrees are offered through the Graduate Center at 33 West 42 Street, New York, NY 10036: anthropology, art history, biochemistry, biology, biomedical sciences, business, chemistry, comparative literature, computer science, criminal justice, earth and environmental sciences, economics, educational psychology, engineering, English, French, Germanic languages and Literatures, history, linguistics, mathematics, music, philosophy, physics, political science, psychology, social welfare, sociology, Spanish, speech and hearing sciences, and theatre. The Ph.D. and M.D./Ph.D. degrees are offered in biomedical sciences, and the D.S.W. is offered in

social welfare. The D.M.A. is offered in music performance. For further information, contact the appropriate departments at Queens. Information can also be obtained from the Graduate Center.

Continuing Education

The Continuing Education program addresses the specific educational needs and interests of the adult community. Lectures, workshops, and seminars are offered in the arts and humanities, career and professional studies, and learning skills development. Faculty are drawn from a broad range of artistic, academic, and business professionals who understand and relate to the unique qualities of adult learners. Although no college credit is given, the offerings attempt to build upon, interpret, and apply the disciplines generally associated with the liberal arts, business, and the sciences. A Continuing Education *Bulletin* may be obtained in Kiel 111 or by calling 997-5700.

College English as a Second Language (CESL)

CESL offers courses designed to meet the English-language needs of students with limited proficiency in English. Placement into CESL courses is based on performance on the CUNY Assessment Test in reading and writing. Students must see the CESL director in Kiel 223 before registering for any courses (997-5670).

English Language Institute

The Queens College English Language Institute provides instruction in the English language for those people for whom English is a foreign language. The program is considered by the United States Immigration and Naturalization Service to be equivalent to full-time study for maintaining student visa status.

Fees

Tuition:

\$1750 for foreign students

\$1385 for U.S. residents

Application fee:

\$60 (includes \$10 application fee and

\$50 non-refundable deposit toward tuition)

For further information, write or call for special folder: (718) 997-5720.

LASAR

Liberal Arts and Sciences Area Requirements

All students who entered Queens College in September 1981 or later as candidates for a baccalaureate degree must satisfactorily complete courses in seven areas as listed below. *Note:* Bachelor of Music students should consult the School of Music section of this *Bulletin* for their area requirements.

Humanities 1: 2 courses (min. 6 credits) in the area of literature and literary criticism.

Humanities 11: 1 course (min. 3 credits) that stresses appreciation and/or participation in the areas of art, music, and/or theatre.

Humanities 111: 1 course (min. 3 credits) involving the study of language, culture, and/or aesthetics.

Physical and Biological Sciences: 2 courses (min. 7 credits), one with a participatory laboratory component, stressing the scientific method.

Scientific Methodology and Quantitative Reasoning: 1 course (min. 3 credits) in college-level mathematics, computer science, data analysis, statistics, scientific methodology, or logic.

Social Sciences: 2 courses (min. 6 credits), from different departments, dealing with historical change, the economy, government, decision-making, community structure, and organization.

Pre-Industrial/Non-Western Civilization: 1 course (min. 3 credits) devoted to the study of Pre-Industrial and/or Non-Western Civilization.

The listing of courses that may be used to satisfy each of the seven areas follows.

Note: Some of the courses listed under the Humanities I, II, III, and Social Sciences areas will also fulfill the Pre-Industrial and/or Non-Western Civilization (PI/NWC) requirement. Such courses are identified by +.

SPECIAL NOTES

1. Courses used to satisfy the basic and advanced learning skills requirements may not be used to fulfill these area requirements.
2. Any courses that are used to fulfill the requirements of a major may usually be used to fulfill the appropriate area requirements.
3. Transfer students who place in English 95 or above will be granted equivalent credits by the Undergraduate Scholastic Standards Committee unless, after consultation with the appropriate department(s), the transferred courses are found not to meet the spirit of the area requirements.

ALTERNATIVES TO LASAR

1. Completion of Honors in the Western Tradition satisfies some of the above Liberal Arts and Sciences Requirements. See page 150.
2. Satisfactory completion of a specific group of courses by students enrolled in ACE will fulfill the Queens College Basic and Advanced Learning Skills and LASAR. See page 75.

+ Also fulfills the Pre-Industrial and/or Non-Western Civilization (PI/NWC) requirement.

*1A student cannot fulfill the Tier 2 requirement with English 251 or 252 if English 151 was taken to fulfill Tier

1. A student cannot fulfill the Tier 2 requirement with English 350 or 351 if English 152 was taken to fulfill Tier 1.
2. Neither course in the History sequence on Western civilization by itself may be used toward fulfilling both the Humanities 111 and Social Sciences area requirements. If both courses are completed, they may be applied to both the Humanities 111 requirement and one of the two courses in the Social Sciences requirement.
- 3A student may not take both Biology 9 and 11 to satisfy the Physical and Biological Sciences area requirement.
- 4A student may not take both Biology 12 and 30 to satisfy the Physical and Biological Sciences area requirements.
- 5A student must take both Chemistry and Biochemistry 16 and 17 to satisfy the Group A requirement; Chemistry and Biochemistry 16 alone satisfies the Group B requirement.
- 6A student may take only one course from among Physics 1, 103, 121, and 145 toward satisfying the Physical and Biological Sciences requirement.
- 7A student may not take both Astronomy 1 and 2 to satisfy the Physical and Biological Sciences requirement.
- 8A student may not take both Psychology 101 and Psychology 102 to satisfy the Physical and Biological Sciences requirement.

Humanities I

You may not begin the Humanities I requirement until you have successfully completed the appropriate English composition requirements. Two courses (minimum 6 credits) in the area of literature and literary criticism are required. To satisfy this requirement you must select one course from the Humanities I, Tier 1, list below and a second course from Tier 2.

Tier 1

Classical and Oriental Languages:

classics 150

Comparative Literature 101, 102

English 140, 151^r, 152^t, 153, 154, 155, 156

Germanic, Slavic, and East European Languages:

German 150; Russian 155

Romance Languages: French 41; Italian 41; Spanish 41

Tier 2

Prerequisite:

Successful completion of a Tier 1 course.

Classical and Oriental Languages:

Arabic 150;

Chinese 320, 330, 350, 360, 370;

Classics 250;

Greek 150, 305,306, 321,322, 323, 330, 335, 351, 352, 353, 357, 361, 362, 363;
 Hebrew 150, 155,160, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 345,
 346, 351,352, 353, 354, 356, 357;
 +Latin 351,352, 353,354, 356, 359, 361,362, 363, 364, 365,366;
 Yiddish 150
 Comparative Literature 203,204, 205, +211, +212,213,214,215,217,218, +220, +221,229, 333,
 334, 335
 English 251*1, 252*1, 311, 312, 313, 320, 321,322,323, 324, 330, 331,332, 333,334, 340,
 341,344, 345,346, 3501, 3511, 352, 353,354, 355,357,358, 359, 360, 361, 365,370, 371,373, 374,
 376, 380, 381, 383,384, 385
 Germanic, Slavic, and East European Languages:
 German 253,254, 259, 300, 301, 302,303, 304, 305,306, 307;
 Russian 231, 232, 243,245,248, 280, 281,282,331,332, 343,350, 351,362,375,380, 381,382;
 Scandinavian +251
 Romance Languages:
 French +42, 43, 44, 205, +206, 320, 330, 340, 345,350, 360, 363, 366;
 Italian 40, 42, +205,206, 321, 322, 324, 325, 327,331,350, 353,360, 363,366;
 Portuguese +205,206;
 Spanish +205, 206, 207, 320, 330, 331, 332, 333,334, 350, 351,360, 361,370, 371,372, 373

Humanities II

One course (minimum 3 credits) that stresses appreciation and/or participation in the areas of art, music, and/or theatre. Art majors may not apply credit in an art course to fulfill the Humanities II requirement. Music majors may not apply credit in a music course to fulfill the Humanities II requirement.

Art 1,101,102, 110, 111, 112, 113, 114, 115, 151,153, 161,162, 181,182, 201, +203, +204,
 +205, +206, +207, +211, +212, +213, +221, +222, +223, +225, +227, +228, 230. +231,232,
 233,235,236, +241, +242, 244, +245,250
 Drama, Theatre, and Dance 1,100, 101, 102, 111,150 +201,202, 203,204, 206, 251, 269, 308
 Music 1, 8

Humanities III

One course (minimum 3 credits) that involves the study of language, culture, and/or aesthetics.

American Studies 110 Anthropology 104, 221
 Byzantine & Modern Greek Studies 100 Classical and Oriental Languages:
 Arabic 160;
 Classics 120, 130, 140, 240;
 Oriental Studies 220, 221;
 Yiddish 161
 Communication Arts and Sciences 105, 341, 352, 353, 356, 371
 Comparative Literature 225,337
 English 265,290, 386, 387, 388
 Germanic, Slavic, and East European Languages:
 Dutch 281,
 German 281,
 Russian 150,
 Scandinavian 281
 History 12, 22, 117, 125, 126, 214, 272, 301,302
 Home Economics 157, 158
 Linguistics 101
 Philosophy 101,106, 110, 111,116, 118, 140
 Religious Studies 101, 102, 212
 Romance Languages:
 French 45,310, 311;
 Italian 45, 310, 311;
 Portuguese 45;
 Romance Literature 45;
 Spanish 45,310, 312
 World Studies 101,104

Physical & Biological Sciences* Two courses (minimum 7 credits), one with a participatory laboratory component, stressing the scientific method. You may take either two courses from Group A or one course from Group A and one course from Group B. Unless specific prerequisites are noted, you may take Group A and B courses in any order or concurrently.

If you intend to major in one of the physical and biological sciences departments (biology, chemistry and biochemistry, physics, geology, or psychology), then at least one of the two courses used to complete this requirement must be in a department other than the department in which you major.

**Note:* To meet the Physical and Biological Sciences and the Scientific Methodology and Quantitative Reasoning requirements you *must* select your three courses (two courses in Physical and Biological Sciences and one course in Scientific Methodology and Quantitative Reasoning) from two or more departments.

Group A

Biology 113, 12^A, 101,102
 Chemistry and Biochemistry 1 O, 16^I and 17^S, 19, 112, 113
 Geology 101,102, 110
 Physics 16, 103^D, 104, 1216, 122, 145^F, 146;
 Astronomy 2, 7
 Psychology 102^B, 213

Group B

Anthropology 102, 260
 Biology 93, 20, 21, 22, 304, 31, 51, 52
 Chemistry and Biochemistry 165, 59, 114
 Geology 3, 6, 8, 9, 11, 12, 15, 16, 17, 18, 25, 64
 Home Economics 121,161
 Physics 7, 8, 11;
 Astronomy 17
 Psychology 101^S

Scientific Methodology & Quantitative Reasoning*

One course (minimum 3 credits) in college-level mathematics, computer science, data analysis, statistics, scientific methodology, or logic.

Biology 230

Communication Arts and Sciences 283

Computer Science 12, 101,103, 2011221.

Students who receive permission to take computer science courses at the 200-level or above will be deemed to have satisfied this requirement.

Economics 249

Mathematics 12, 14, 19, 21, 22, 76, 100, 101,102, 103,111,112, 117, 118, 130, 135, 137. Students who receive permission to take mathematics courses at the 200-level or above will be deemed to have satisfied this requirement.

Philosophy 109

Physical Education 165

Psychology 107

Sociology 205, 212,333

Social Sciences

Two courses (minimum 6 credits) dealing with historical change, the economy, government, decision-making, community structure, and organization. You *may not* take both courses from the same department or course sequence.

Accounting 361

Africana 101,102

Anthropology 101, 103, 105, 106

Communication Arts and Sciences 110

Economics 1,101,151

Education: Educational and Community Programs 5;

Elementary Education 104, 105, 106;
 Secondary Education 216
 History 1, 2, 101,102, 103, 104, 125, 126
 Home Economics 151
 Linguistics 205, 206
 Philosophy 104, 123,221,222, 226
 Political Science 100, 101,103, 104, 105
 Psychology 348
 Sociology 101,103
 Urban Studies 101,102, 105, 106
 World Studies 102, 103

Pre-Industrial and/or Non-Western Civilization

One course stressing pre-industrial and/or non-Western civilization.

Note: Some of the courses listed under the Humanities I, II, III, and Social Sciences areas will also fulfill the Pre-Industrial and/or Non-Western Civilization (PI/NWC) requirement. Such courses are identified by +.

Africana 101,102
 Anthropology 101, 103, 105,205,206, 207, 210, 211,212
 Art 11 O, 111, 112, 114, 203,204,205,206, 207, 211,212,213,221,222, 223,225,227, 228,231,241,242, 245
 Classical and Oriental Languages:
 Arabic 150, 160;
 Chinese 250, 251, 320, 330, 340, 350, 360, 370;
 Classics 120, 130, 140, 150, 240, 250;
 Greek 330, 351, 352, 353, 357, 361, 362, 363;
 Hebrew 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 335, 340, 341, 345, 346;
 Latin 204, 351, 352, 353, 354, 356, 357, 358, 359, 361, 362, 363, 364, 365, 366;
 Oriental Studies 220, 221
 Communication Arts and Sciences 352
 Comparative Literature 101, 211, 212, 220, 221,225,334
 Drama, Theatre, and Dance 201
 English 311,312, 313, 320, 321,330, 331, 340, 365,380, 381
 Germanic, Slavic, and East European Languages:
 German 282, 283, 284, 301, 302;
 Scandinavian Studies 251
 Health and Physical Education 150
 History 100, 101,105, 107, 109, 11 I, 112, 113, 114, 115, 117, 121,140, 141,142,201, 202,203,204, 205,206, 207,208,209, 210, 211,212, +214, 215,216, 225,230, 239, 291, 300
 +Home Economics 157
 Music 217,218,219, 233,234, 235,247, 248
 Philosophy 118,140, 141,142,250, 251, 264
 Political Science 236, 237, 239, 240
 +Religious Studies 102
 Romance Languages:
 +French 42, 206, 320, 330, 340;
 Italian +205, 310, 321, 322, 324, 325, 327, 333,334, 335;
 Portuguese 43, +205;
 +Spanish 205,320, 330, 331,332, 333
 Sociology 239
 +World Studies 102

Degree and Certificate Programs

The following are officially registered undergraduate degree programs at Queens College, together with their HEGIS (New York State Education Department registration) codes. Students are advised that enrollment in other than registered or otherwise approved programs may jeopardize their eligibility for certain student aid awards.

HEGIS

Program	Degree	Code
Accounting	BA	0502
Africana Studies	BA	0305

American Studies	BA	0313
Anthropology	BA, BA-MA	2202
All	BA ²	0831
Art History	BA	1003
Biology	BA ^{*1}	0401
Byzantine and Modern Greek Studies	BA	0399
Chemistry	BA ^{*1} , BA-MA	1905
Communication Arts and Sciences	BA	0601
Comparative Literature	BA	1503
Computer Science	BA, BS	0701
Drama and Theatre	BA	1007
Earth Sciences 7-12 Teacher	BA [†]	1917.01
East Asian Studies	BA	0302
Economics	BA	2204
Elementary and Early Childhood Education	BA	0802
English	BA ^{*1}	1501
Film Studies	BA	1010
French	BA ^{*1}	1102
Geology	BA, BS	1914
German	BA ^{*1}	1103
Greek	BA	1110
Health Education	BA	0837
Health Teacher K- 12	BA ²	0837
Hebrew	BA	1111
History	BA	2205
Home Economics	BA ^{*1}	1301
Interdisciplinary Major	BA	4901
Italian	BA ¹	1104
Jewish Studies	BA	0309
Labor Studies	BA	0516
Latin	BA [†]	1109
Latin American Area Studies	BA	0308
Linguistics	BA	1505
Linguistics: TESOL	BA	1505
Mathematics	BA ^{*1}	1701
Music	BA, BA-MA, Mus. B	1004
	BA ² , Mus. B	0832
Philosophy	BA, BA-MA	1509
Physical Education	BS ²	0835
Physics	BA ^{*1} , BA-MA	1902
Political Science and Government	BA, BA-MA	2207
Portuguese	BA	1199
Psychology	BA	2001
Religious Studies	BA	1510
Russian	BA	1106
Sociology	BA	2208
Spanish	BA ^{*1}	1105
Speech Pathology and Audiology	BA	1220
Studio Art	BA, BFA	1002
Theatre-Dance	BA	1099
Urban Studies	BA	2214
Women's Studies	BA	2299
Yiddish	BA	1199

*1 Includes BA for Secondary School Teaching

*2 K- 12 Teacher

GENERAL INFORMATION

Rules governing grades, credits, retention standards, attendance and leaves, conduct, and honors and awards are among the major topics covered in this section. Since no compendium can anticipate and answer all questions, you should consult the Office of the Registrar, Dean of Students, or Assistant Provost, as appropriate, if you have specific questions not covered here.

Student Number

The College uses your social security number as your permanent student identification number. When you apply for admission, you should include your social security number as part of your application. Students without a social security number will be assigned a 9-digit number by the College.

Placement Examinations

The College gives all newly accepted students writing, reading, and mathematics placement examinations called the CUNY Assessment Tests. The results of these examinations determine the courses a student must take to fulfill basic skills requirement (see page 37).

Advanced Placement

Queens grants advanced placement to students whose scholastic achievement in high school qualifies them for it. Eligibility is determined by the student's performance on the Advanced Placement Tests given by the College Entrance Examination Board. Students who have taken an Advanced Placement Test may have the results forwarded to the Undergraduate Admissions Office.

Credit by External Examination Students may receive college credit for examinations conducted by the New York State Department of Education-College Proficiency Examination Program and by the College Entrance Examination Board College Level Examination Program (subject-area exams only). Students should obtain approval to take such examinations from the appropriate Department Chair. They may receive either credit for specific courses or general credit within the department.

Information about both of these examination programs is available in the Undergraduate Admissions Office.

Courses at Other Institutions (Permit) A Queens College student wishing to take a course at another college (CUNY or other) and transfer those credits to Queens *must* first obtain a *permit* to do so. Permits are authorized by the appropriate department and administered by the Registrar. Permit forms are obtained at the Office of the Registrar. To qualify for a permit, you must meet the following conditions:

- be a degree (matriculated) student with a cumulative GPA of at least 2.00.
- be at least in your second semester of matriculation.
- have successfully completed at least 6 credits at Queens College.

A department may refuse to authorize a permit if, in its judgment, it is inappropriate to do so.

It is the responsibility of students who study at other institutions to have official transcripts of their work sent to the Office of the Registrar. Such transcripts should be sent to the attention of the Permit Officer, Office of the Registrar.

Registration

For complete details about registration dates and course schedules, see the *Telephone Registration Guide & Schedule of Classes*, available prior to registration at the Information Center (Kiel 101).

Course and Faculty Evaluation Booklets

Every three semesters students complete a course and faculty evaluation form in each class taken. Their responses are summarized and printed in the *Course and Faculty Evaluation Booklet*. This provides information on course requirements and students' reactions to classes and instructors.

These evaluations are the only way the College can learn how students feel about their classes and instructors. The evaluations are considered when faculty members come up for promotion and tenure, and many students use this information to help them when selecting courses.

The *Course and Faculty Evaluation Booklet* may be purchased at the College Bookstore and is always available at the Reserve section of the Rosenthal Library.

Overlapping Courses

Academic policy as passed by the Senate of the College prohibits registration into courses with overlapping schedules. Students who register into courses that overlap will be dropped from one of them.

GRADES

Passing Grades. Passing grades range from A+ (highest) to D. P is a passing grade, but it does not affect the scholastic index (see Scholastic or Grade-Point Index, page 50).

Failing Grades. The grade of F is given for work that, in the opinion of the instructor, does not deserve college credit. Withdrawal after the eighth week requires previous approval from the Undergraduate Scholastic Standards Committee, Jefferson 104. (See page 39.)* However, students will receive a *WF* grade if, after the eighth week of classwork, they withdraw while failing. A disciplinary grade of *WU* will be assigned if a student ceases to attend a course without officially withdrawing from it. The failing grades *F*, *WF*, and *WU* are counted in computing a student's grade-point index. The no-credit grade *NC* is assigned when an F grade is submitted for courses taken on a *P/NC* basis (*WU* and *WF* remain on the record and are *not* converted to *NC*); *NC* is not computed in the grade-point index. Grades of F received by first-semester freshmen are converted automatically by the Registrar to *NC* (see sections below on Grading System for First- and Second Semester Students).

Questioning Grades

A student who wishes to question or appeal a final grade should:

1. First discuss the matter with the course instructor.
2. If still dissatisfied, make an appointment to see the Department Chair.
3. If still not resolved, make an appointment with the divisional dean.
4. If still not resolved, students should then see the Executive Officer of the Undergraduate Scholastic Standards Committee of the Academic Senate. See page 39.

Policy on Repeated Courses

Beginning with the Fall 1991 semester, Queens College implemented a new policy with respect to repeated courses. This supersedes all previous policies regarding repeat courses and will be in effect for two years, after which it will be subject to review by the City University Office of Academic Affairs.

**Note:* This policy is subject to change. Consult the *Class Schedule* for exact withdrawal dates.

The new policy reads as follows, and covers courses repeated in Fall 1991 and thereafter:

That ... Queens College affirms the current policy that all grades received for courses taken at Queens will be recorded on the transcript. That ... Queens College adopt the policy that at the beginning of the next academic year the computation of the grade-point average shall include only the last grade earned when courses are repeated.

It is important for you to be aware of the following if you decide to repeat courses:

- 1) The State of New York prohibits the use of repeated courses that previously were passed in the determination of financial aid eligibility. For example, if you are registered for 14 credits, three of which represent a course that is a repeat of one passed previously, you are registered for only 11 credits for New York State financial aid purposes.
- 2) The evaluation of your transcript for admission into other undergraduate or into graduate programs, both within and outside CUNY, may include *all* courses in the calculation of the grade-point average, including those that are not calculated into your Queens College GPA because of this new policy.

Grading System for First-Semester Students. The grading system for first semester students is the same as that for other students except for the following:

Failing Grades

All grades of *F* for first-semester students only will be recorded as *NC*, except for grades of *WU* or *WF*, which remain on the record.

First-semester students are defined for this purpose as:

- a. Full-time students during their first semester in residence at Queens College with fewer than 12 credits from any institution of higher learning. The only exception is for Fall semester entrants who choose to attend the immediately preceding Summer Session. *NC* will be recorded for an F received for both the Summer Session and the Fall semester of entry.
- b. Part-time students only during that time in which their first 12 credits are attempted at Queens College and who have fewer than 12 credits from any institution of higher learning.

Grading System for Second-Semester Students Pass/No Credit Grading

Second-semester students have until the end of the fourteenth week of the Fall and Spring semesters, or until the next to last day of either Summer Session, to inform the Registrar if they intend to take a course on a Pass/No Credit basis. Letter grades will be submitted by the instructor and converted by the Registrar.

Second-semester students are defined for this purpose as:

- a. full-time degree students during their second regular semester at Queens College.
- b. Part-time degree students who have completed more than 9 but fewer than 18 credits.
- c. Transfer degree students with more than 11 but fewer than 28 credits from any institution of higher learning.

Absent (Abs.): A temporary grade that may be given only when 1) the regularly scheduled final exam is the only work in the course that the student has not completed, and 2) there is an expectation that the student will be able to achieve a passing grade in the course by taking the examination. It is not to be given if 1) other work is outstanding, or 2) the missed final exam was not "regularly scheduled" (e.g., was given in class or as a take-home exam), or 3) the student's attendance was at issue (see below). The student should request the *Abs.* grade as soon as possible after the missed exam. This grade (*Abs.*) will be converted to an F if the final examination is not made up during the next semester in residence. Until it is resolved, the grade of *Abs.* does not affect the grade-point index. The grade *Abs.* cannot be resolved through re-registration and repetition of the course.

Absence from Examinations

Students are required to take examinations as scheduled. A student who misses a final examination may receive an *Abs.* grade and should apply to the instructor to take a makeup examination. Application forms may be obtained from the Office of the Registrar (Jefferson 106). Requests for makeup examinations must be approved by the Department Chair, a \$15 fee must be paid for the first approved makeup examination, \$5 for each additional examination, for a maximum charge of \$25 in one semester. As explained above, the grade *Abs.* cannot be resolved through re registration and repetition of the course.

Students who do not take a makeup examination will receive a grade of F in a course for which an *Abs.* was originally assigned after the next semester in residence has elapsed.

Incomplete (Inc.): A temporary grade that requires a formal contract *initiated by the student*. An *Inc.* may be granted by the instructor only if 1) there is a good and sufficient reason that the course requirements have not been completed, and 2) there is a reasonable expectation that the student can successfully complete the requirements of the course in a timely fashion, not to exceed the end of the following session, Fall or Spring. The grade is not to be given if 1) it is not asked for by the student, or 2) there is no expectation that the work can be made up in a timely fashion, or 3) the student will be unable to pass the course even if the requirements are made up. In these instances, the instructor is bound to issue a grade based on whatever information is available. If there is no information because a student has not been in attendance, *W/U* grade will be assigned (see below). The *Inc.* grade will be converted to an F if the missing work is not made up during the next semester in residence. Until it is resolved, the grade of *Inc.* does not affect the grade-point index. The grade *Inc.* cannot be resolved through re registration and repetition of the course.

Extensions of Temporary Grades: When students for a serious reason are unable to resolve a grade of *Inc.* or *Abs.* on time (before the end of their next semester in residence at the College following the semester in which the temporary grade was assigned), they may, request from the Undergraduate Scholastic Standards Committee, Jefferson 104, special permission to defer conversion of the *Inc.* or *Abs.* grade to F.+

Such requests must be made *before the last week* of classes of the student's next semester in residence at the College following submission of the *Inc.* or *Abs.* grade. Students must document to the Undergraduate Scholastic Standards Committee the serious reasons claimed. If *Inc.* is

involved, a copy of the Incomplete Contract *must be* included with the documentation and request. In addition, students must present a letter from the instructor or Department Chair involved endorsing an extension. The extension may be for no longer than one semester (Fall or Spring) beyond the normal one semester time limit for resolving temporary grades.

Students may ask for such an extension as late as the next to last week of classes of the next semester in residence following submission of the temporary grade.

SEEK students appeal first to the SEEK Committee on Scholastic Standing in Delany Hall.

They should be advised, however, that denial of the request is possible. In the event of denial, students should be prepared to locate their instructors for last minute arrangements for resolving the temporary grade before the end of the final examination period. When unresolved, grades of *Inc.* and *Abs.* are converted to F by the Registrar.

No Credit (NC): This grade is assigned in lieu of an F for first-semester students (see page 48) and for students who have filed a Pass/No Credit option card (see below). NC is *not* assigned in lieu of *WU* and *WF*.

R: This grade is assigned in lieu of an F in remedial and developmental courses. It does not affect the grade-point index.

W: This grade indicates withdrawal from a course without penalty. It cannot be assigned by an instructor.

Withdrawal from a Course: Students should not withdraw from courses except for serious reasons. During the first three weeks of the semester, course withdrawals are viewed as program adjustments and may be accomplished in accordance with the procedures described in the *Telephone Registration Guide and Schedule of Classes*.

From the fourth through the eighth weeks, students who want to withdraw from a course must report to the Office of the Registrar (Jefferson 106) to process their request and have a grade of W assigned. No evaluation is required during this period.*

After the eighth week of each Fall and Spring semester, after the first week of Summer Session I, and after the third week of Summer Session II, students may withdraw from a course *only* with special permission from the Undergraduate Scholastic Standards Committee, Jefferson 106. *Such permission will be granted only for the most pressing and urgent reasons.* Students must provide the reason for withdrawal, and in all cases documentation and verification of the pressing urgency shall be required. If permission to withdraw is granted, the student's work in the course must be evaluated by the instructor. Students whose work is passing receive a grade of W, students whose work is failing receive a grade of WF. Withdrawals may be requested up to the last day of regularly scheduled classroom instruction. See pages 47-48 for additional information.

*Note: The dates are subject to change. Consult a current *Telephone Registration Guide and Schedule of Classes* for exact withdrawal dates.

Withdrawals during Summer Session: College regulations governing withdrawal from a course are in effect during the Summer Session, except that the time allowed for course withdrawals without evaluation is reduced (see above). It is not necessary for Queens College students who withdraw from all courses in Summer Session to apply for readmission to the Fall semester.

Unofficial Withdrawals: Students who stop attending their courses without taking an official withdrawal or leave of absence will receive a disciplinary grade of *WU*. This grade is given when the instructor has no record of the student attending the course, or if, as a result of excessive absences, the instructor has no basis on which to give the student a final letter grade. This grade is calculated in the index as if it were an F. *Note:* This grade does *not* revert to NC for first-semester students or to R in courses where that grade applies.

Pen.: The grade of *Pen.* is also assigned automatically by the Registrar in cases in which no grade is submitted for one or more students in a class for which the instructor has submitted other student's grades.

Z: This grade cannot be assigned by an instructor. It is assigned automatically when an instructor does not submit grades for an entire class.

Pass/No Credit (P/NC) Courses: A student may take one course each semester on a P/NC (Pass/No Credit) basis. Each student is limited to 21 credits attempted in P/NC courses, including any taken in Summer Session. (ACE Seminar courses listed on page 75 may not be taken with the P/NC option.) English 95, English 110, English 120, and Mathematics 4 and 6 may not be taken as P/NC. Courses that constitute the student's major also are excluded from the P/NC option. In joint majors and in specialized majors within departments, the determination of courses constituting the major for purposes of P/NC is made by the student's concentration adviser. LASAR courses and courses taken to satisfy the language requirement for graduation may be taken on a P/NC basis. The Registrar must be informed by the end of the eighth week, or by the end of the second week during Summer Session, if the student intends to take the course on a P/NC basis. Letter grades shall be submitted by the instructor and converted by the Registrar. Failure in courses taken on the P/NC basis is indicated by the letters NC. Neither pass nor no credit grades are computed in the student's index. Failure in courses taken on the P/NC basis is determined in the same manner in which it is determined in courses with a letter grade (i.e., as anything below D quality). A grade of P in a P/NC course is given only to work of old quality or better. Only an earned failure is covered by an NC. (W, WU, and WF grades in courses taken on the P/NC basis remain on the record.)

Second-semester students have until the end of the fourteenth week of the Fall and Spring semesters, or until the next to last day of either Summer Session, to inform the Registrar if they intend to take a course on the Pass/No Credit basis. (See above for definition of second-semester students).

Note: For the purpose of exercising the Pass/No Credit option, Summer Session I and Summer Session II are considered one semester.

Warning: Queens students should know that other colleges and universities as well as other institutions and agencies may interpret grades of P and NC differently. Some may evaluate grades of NC as grades of F, and grades of P as grades of C or D. Credits earned on a P/NC basis do not count toward the minimum of 60 credits with letter grades required for graduation with honors. (See General College Honors, page 54.)

Credits and Credit Load

Each semester hour demands, on the average, three or four hours a week of a student's time, usually one recitation per credit (with two hours of preparation) or three hours of laboratory work per credit.

A full-time program consists of 12 to 18 credits in a semester during the academic year. Credits taken at other colleges must be included in the total.

Sophomores, juniors, and seniors with a cumulative index of 3.0 or higher and with no unresolved grades of Abs., Pen., or Inc. may register for up to 21 credits. Certification of this status must be obtained from the Undergraduate Scholastic Standards Committee at least three days before your scheduled time for registration. Students are encouraged to obtain the certification at their earliest convenience.

If you are a student in good standing but your cumulative index is less than 3.0 or you have a cumulative index of 3.0 or greater but have unresolved grades, you may request special permission from the Undergraduate Scholastic Standards Committee to register for more than 18 credits. You should apply to this Committee at least three days before your scheduled time for registration. Students are encouraged to apply at their earliest convenience.

Students may not receive credit toward a degree for courses for which they have previously received credit, except those courses that are designed to be repeated for credit.

Classification of Students: The minimum number of credits required for membership in each class is:

Upper Freshman	12
Lower Sophomore	28
Upper Sophomore	45
Lower Junior	61
Upper Junior	78
Lower Senior	94
Upper Senior	111
Graduation	128

Scholastic or Grade-Point Index: The scholastic average or index, which is a numerical indication of the student's academic record, is computed in the following manner:

1. Total the number of credits earned with each specific grade (A+ to D), and multiply by the numerical value of that grade. (See chart below.) Add these to obtain total quality points.
2. Add the number of credits taken. This sum includes credits for courses failed (WU, WF, or F) as well as courses passed with grades A+ to D. (It does not include courses for which a grade of P, W, Inc., Abs., Z, Pen., R, or NC is assigned.)
3. Divide the result obtained in step 1 by the result obtained in step 2. This becomes the Queens College scholastic average or index, which is indicated to three decimal places. See chart below for an example.

Retention Standards

These standards are a result of policies mandated by the Board of Trustees, interpreted by the Chancellor's Office of CUNY, and passed by the CUNY Council of Presidents.

Required Cumulative Grade-Point Index

<i>Credits Attempted</i>	<i>Index Required</i>
1-12	1.50
13-24	1.75
25 and above	2.00

Thus, if you have attempted 25 or more credits at Queens College, the requirement is a 2.00 or better cumulative index. This requirement is based only on work done at Queens and is assessed cumulatively.

Students' records will be reviewed each semester to check that there has been compliance with the above requirement.

Students who wish to appeal the application of the retention standards in their case may apply to the Undergraduate Scholastic Standards Committee, Jefferson 104.

All students must meet the cumulative index requirement. Failure to do so will result in probation. Probation will not be noted on the official record.

All degree students who fail to overcome their cumulative index deficiency during the probation period will be dismissed by Queens College.

Once dismissed and not reinstated following appeal to the Undergraduate Scholastic Standards Committee, a student may not apply for re-entry until at least one year has passed. After one year, a student may be readmitted only after review and approval by the Undergraduate Committee on Admissions and Re-entry Standards (CARS Secretary, Kiel 213).

Attendance: Although absence *per se* does not affect a student's grade, by registration in a course the student assumes the obligation to fulfill the requirements set for that course by its instructor. Normally, these will consist of such activities as participation in class discussions, laboratory sessions, field trips, etc.; the preparation of papers and reports; and the taking of quizzes and examinations. In addition to observing the regulation given on page 49 (Withdrawal from a Course), students are expected as a normal courtesy to inform the instructor of prolonged absence or withdrawal.

Note: While attendance may not be required for the grading of a specific course, students should be aware that attendance may be required to retain eligibility for financial aid.

Inactive Status: Students who do not register for a given semester are considered inactive. Inactive status is not noted on student records. Inactive students who want to return to the College must file a Re-enter Application (see Probation, Dismissal, and Re-entry, below) by the deadline established by the Admissions Office.

Note: Inactive status should not be confused with withdrawal from all courses or with a leave of absence.

Withdrawal from All Courses: Students who register, pay a bill, and drop all courses during program adjustment (through the third week of the Fall or Spring semester) will not lapse into inactive status and will not have to apply for re-entry. Their transcripts will show no new notation for that semester.

Students who withdraw from all courses - either one at a time or all at once through the Office of the Registrar from the fourth through eighth weeks of the Fall or Spring semester, will be considered as withdrawn from all courses, and their transcripts will show grades of W. Such students do not have to apply for re-entry.

Leave of Absence

Students in good standing may request a leave of absence from the Dean of Students from the fourth through fourteenth weeks of the Fall and Spring semesters. Following permission, there will be an exit interview with a counselor in the Office of the Dean of Students. The transcript will show the term "Official Leave of Absence" and non-penalty grades of W for the courses registered for that semester. Students granted a leave of absence may register for the next semester without filing a request to re-enter the College.

Grade	Numerical Value	Credits	Quality Points
A+	4	x2	8
A	4	x6	24
A-	3.7	x4	14.8
B+	3.3	x3	9.9
B	3	x2	6
B-	2.7	x5	13.5
C+	2.3	x3	6.9
C	2	x2	4
C-	1.7	x4	6.8
D+	1.3	x3	3.9
D	1	x3	3
F, WF, or WU	0	x6	0
43	100.8	The scholastic index is 2.34	
$\frac{100.8}{43} = 2.34$		Any cumulative index higher than 4.00 will be noted as 4.00	

Students on probation or extended probation may request a leave of absence in the same way. For these students, however, a leave of absence will result in academic dismissal, appealable to the Undergraduate Scholastic Standards Committee. Both faculty and the Undergraduate Scholastic Standards Committee shall be informed of approved leaves of absence.

Leaves of absences are permitted during *Fall and Spring semesters only*. During Summer Session, withdrawal from all courses is considered *not a leave of absence*, and follows the procedures outlined for course withdrawals.

Note: Students who withdraw from all classes beginning with the fourth week of the session (second week in Summer Session) receive no refunds. These students and those who take a leave of absence during the semester *do not* have to apply to re-enter the College in order to register for the following semester. However, students who take a leave of absence and who do not register for the following semester lapse into inactive status and must apply to re-enter the College for future semesters.

Probation, Dismissal, and Re-entry

A. All undergraduate students will have their academic records reviewed at the end of every Fall and Spring semester

1. At the end of these semesters, all students who do not meet the following standards (expressed in terms of total credits attempted from time of admission to the College) will be placed on academic probation:
 - a. 1-12 credits attempted, and a cumulative index of at least 1.5, or
 - b. 13-24 credits attempted, and a cumulative index of at least 1.75, or
 - c. 25 or more credits attempted, and a cumulative index of at least 2.0.
2. At the end of these semesters, students will be officially warned that they are in danger of being placed on probation if:
 - a. They have attempted between 6 and 12 credits, and their index is between 1.50 and 1.75, or
 - b. They have attempted between 13 and 24 credits, and their index is between 1.75 and 2.00.

B. Students Placed on Probation:

1. May not register for more than 13 equated credits and may be held to fewer than 13 equated credits or hours by the Undergraduate Scholastic Standards Committee.
2. May be required, at the discretion of the Dean of Students, to attend either an academic workshop or individual session with a designee or the Dean prior to registration, and, if required to do so, will be barred from registration for failure to attend the workshop or individual session.
3. May be required, at the discretion of the Dean of Students, to confer with the Dean of Students or a designee of the Dean at regular intervals during the semester.
4. Will have their academic records reviewed at the end of the probationary semester for the purpose of dismissing those who have not met the existing retention standards (as outlined in A, 1-a, 1-b, and 1-c, above).
5. Dismissal may be stayed by the Undergraduate Scholastic Standards Committee, if the notification of dismissal cannot be made by the second week of the following semester.
6. Students on probation remain eligible for federal financial aid.

C. Dismissed Students:

1. Will be dismissed effective with the following Fall or Spring semester.
2. Will have the opportunity to appeal to the Undergraduate Scholastic Standards Committee for extended probation:
 - a. Students granted extended probation will have their academic records reviewed at the end of the semester of extended probation for the purpose of dismissing those who have not met the existing retention standards.
 - i. Students on extended probation are subject to the requirements of B, 1, 2, and 3 above.
 - b. No more than one semester of extended probation will be granted if, during the semester of extended probation, the student:
 - i. received grades other than A, B, C, D, F, P, W, and Z, and
 - ii. did not achieve a semester index of at least 2.25.

D. Re-entry:

1. Students dismissed from the College for failure to meet the standards set forth in this policy will not be permitted to reenter the College for at least a full academic year following the date of dismissal, unless a waiver is granted (for extenuating circumstances) by the Undergraduate Committee on Admission and Retention Standards.
2. Re-entry is not automatic. Students wishing to return to the College must meet the following requirements:
 - a. Have no more than a single dismissal (not successfully appealed) as a degree (matriculated) student or dismissal with 24 or fewer credits attempted as a nondegree student;
 - b. Re-entry application must be postmarked no later than April 15 for re-entry to the Fall semester, and no later than November 1 for re-entry to the Spring semester. Students may apply for re-entry only for the Fall or Spring semester. Students approved for re-entry to the Fall semester may attend either Summer Session that precedes that Fall semester;
 - c. Must demonstrate, in some substantive manner (e.g., work at another institution, completion of all open grades), that they are capable of meeting the academic standards of the College; and
 - d. Must be interviewed by the Dean of Students, or a designee of the Dean, prior to being permitted to re-enter.

E. Extended Probation

Students permitted to re-enter are automatically placed on extended probation and are subject to the requirements of B, 1, 2, and 3, and C, 2-a and 2-b, above.

F. Appeals

Students shall have the opportunity to appeal probation or dismissal from the College to the Undergraduate Scholastic Standards Committee. The Committee shall review all appeals and make exceptions where extraordinary circumstances have made it impossible for the student to meet the above stated requirements.

Auditing: Undergraduate degree students who want to audit a class in which they are not regularly registered must request permission of the instructor teaching the course. No official record is kept of such auditing. Students may never claim credit for courses audited.

Computer Use

The following regulations are intended for anyone who has been authorized to use a computer owned by Queens College or purchased with grant funds administered by the College. This includes students who have registered for courses requiring the use of a computer; faculty and staff who have been assigned computers or computer accounts for the purposes of research or other scholarly activities; administrative and secretarial staff who are required to use computers in fulfilling their responsibilities; anyone who uses the Queens College microcomputer network; and all others permitted access to a College computer.

Regulations on Use of Computer Accounts and Facilities

The Academic Computer Center facilities and systems are to be used exclusively for academic work. The user assumes the following responsibilities and also agrees to report any suspected or known computer abuse or infractions to ACC staff:

Centralized Systems All users agree to

- Maintain exclusive access to one's account by ensuring that no one else is permitted to view one's password (periodically changing your password helps protect your account);
- Refrain from using the electronic mail facilities for transmitting any forms of obscene or threatening messages, sending multi-user-directed advertisements or announcements, or for any nonacademic activities;
- Refrain from deliberately writing code or executing instructions that might threaten system integrity or security, result in embezzlement of computer resources, cause excessive or wasteful use of computer resources (e.g., memory, CPU time, output pages), or cause harm to the system or other users' files;
- Not participate in or be an accessory to theft of ACC equipment, software, documentation, supplies, other computer users' files, programs, output, or personal possessions, including the copying of copyrighted materials;
- Follow all recommended procedures to ensure the proper use of computer equipment so that it is not abused.

Additional regulations may be imposed on particular systems or at particular times. Users are responsible for becoming aware of and abiding by all such regulations.

Laboratory Regulations

- The labs are for use by Queens College students, faculty, and staff only. You must sign in and present a valid ID card to use the lab, or present a valid QC ID upon request by a facility supervisor or campus security.
- No eating, drinking, or smoking allowed. Please keep the lab neat and clean.
- No hardware or software may be moved, modified, or tampered with in any way. Any problems must be reported to lab personnel.
- No game playing or other non-academic-related use of the systems is permitted at any time.
- Unauthorized duplication and/or use of software violates U.S. copyright law. It is a federal offense and is strictly prohibited.
- Laser printers, color printers, and plotters are for limited copies of final outputs only. Do not monopolize or abuse them.
- Students must obtain proper authorization to use the Advanced Equipment Lab.
- All users must leave promptly at the scheduled closing time, or when asked to do so by lab personnel.
- All users should refrain from abusive language, loud conversation, or other disturbances in or around computer facilities, thus maintaining a relatively tranquil environment for serious computer use.

In addition, all regulations set forth in the "CUNY Computer User Responsibilities" statement apply. This statement is available at the Academic Computer Center. Failure to comply with the rules and regulations above may result in disciplinary action. In the case of the centralized facilities, infractions may result in immediate suspension of your access account.

Conduct

The College's policies concerning nondiscrimination, sexual harassment and assault, security and crime prevention, and AIDS are described in detail in the booklet *The Facts*, which is available at the Information Center, Campus Bookstore, Dean of Students' Office, and at other locations. If you have questions, contact the Dean of Students, Powder maker 116, 997-5500.

The College handles matters of student discipline through the Dean of Students and the Faculty-Student Disciplinary Committee. Students are required by the Board of Trustees bylaws to meet punctually all College obligations; to use the property of the institution with care and economy; to obey the laws of the city, state, and nation; and to obey the orders of duly established College authorities. Violation of any of the provisions of this statement may result in disciplinary action.

Since the College is not in a position to supervise the use by student groups of leased or purchased off-campus facilities, student organizations are responsible for their conduct and for the management of their housing.

RULES AND REGULATIONS FOR THE MAINTENANCE OF PUBLIC ORDER "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." *Bylaws, Board of Trustees*

The attention of students, faculty, and staff is called to the Rules and Regulations for the Maintenance of Public Order below:

Adopted by the Board of Trustees, June 23, 1969, with subsequent amendments. The tradition of the university as a sanctuary of academic freedom and center of informed discussion is an honored one, to be guarded vigilante. The basic significance of that sanctuary lies in the protection of intellectual freedoms: the fights 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 of 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 Trustees.

With respect to enforcement of these rules and regulations we note that the Bylaws of the Board of Trustees provide that:

THE PRESIDENT. The president, with respect to his/her educational unit, shall:

- "a. Have the affirmative responsibility of conserving and enhancing the educational standards of the College and schools under his/her jurisdiction;
- "b. Be the adviser and executive agent to the Board and of his/her 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 superintendent over the concerns, officers, employees and students of his/her educational unit."

I. RULES

1. Members of the academic community shall not intentionally obstruct and/or forcibly prevent others from the exercise of their rights. Nor shall they interfere with the institution's educational process 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 or 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. Members of the academic community or their invited guests have the right to advocate a 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 any campus within the University/ college, or whose presence on any such campus obstructs and/or forcibly prevents others from the exercise of their rights or interferes with the institution's educational processes or facilities, or the rights of those who wish to avail themselves of any of the institution's instructional, personal, administrative, recreational, and community services.
7. Disorderly or indecent conduct on University/college-owned or -controlled property is prohibited.
8. No individual shall have in his possession a rifle, shotgun or firearm or knowingly have in his possession any other dangerous instrument or material that can be used to inflict bodily harm on an individual or damage upon a building or the grounds of the University/college without the written authorization of such educational institution. Nor shall any individual have in his possession any other instrument or material which can be used and 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 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 Human Resources Director of any criminal drug statute conviction for a violation occurring in the workplace not later than five (5) days after such conviction.
11. The unlawful possession, use, or distribution of alcohol by students or employees on University/college premises or as part of any University/college activities is prohibited,

II. PENALTIES

1. Any student engaging in any manner in conduct prohibited under substantive Rules 11 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 1-11 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 City University, 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, a tenured faculty member, or tenured member of the administrative or custodial staff, engaging in any manner in conduct prohibited under substantive Rules 1-11 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- 11 shall be subject to ejection and/or arrest by the civil authorities.
4. Any organization that authorizes the conduct prohibited under substantive Rules 1-11 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.

APPENDIX Sanctions defined:

A. Admonition. An oral statement to the offender that he has violated university rules.

B. Warning. Notice to the offender, orally or in writing, that continuation or repetition of the wrongful conduct, within a period of time stated in the warning, may be cause for more severe disciplinary action.

C. Censure. Written reprimand for violation of specified regulation, including the possibility of more severe disciplinary sanction in the event of conviction for the violation of any university regulation within a period stated in the letter of reprimand.

D. Disciplinary Probation. Exclusion from participation in privileges or extracurricular university activities as set forth in the notice of disciplinary probation for a specified period of time.

E. Restitution. Reimbursement for damage to or misappropriation of property. Reimbursement may take the form of appropriate service to repair or otherwise compensate for damages.

F. Suspension. Exclusion from classes and other privileges or activities as set forth in the notice of suspension for a definite period of time.

G. Expulsion. Termination of student status for an indefinite period. The conditions of readmission, if any is permitted, shall be stated in the order of expulsion.

H. Complaint to Civil Authorities.

1. Ejection.

Resolved. That a copy of these rules and regulations be filed with the Regents of the State of New York and with the Commissioner of Education.

Resolved. That these rules and regulations be incorporated in each college bulletin.

Religious Observance Education Law 224-a states:

1. No persons shall be expelled from or be refused admission as a student to an institution of higher education for the reason that they are unable, because of their religious beliefs, to attend classes or to participate in any examination, study or work requirements on a particular day or days.
2. Students in an institution of higher education who are unable, because of their 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 all students who are absent from school, because of their religious beliefs, an equivalent opportunity to make up any examination, study or work requirements which they 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 said students such equivalent opportunity.
4. If classes, examinations, study or work requirements are held on Friday after four o'clock post meridian 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 students because of their availing themselves of the provisions of this section.
6. Students who are 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 their rights under this section.

Student Integrity

Students found guilty of any form of academic dishonesty, such as plagiarism or cheating on an examination, are subject to discipline, including suspension or dismissal from the College.

Student Records

The College abides by the provisions of the Federal Education Rights and Privacy Act of 1974. Students have the right to be advised of what student records and information are maintained by

the College, who maintains them, who has access to them and for what purposes, policies for reviewing and expunging them, procedures for granting students access and for challenging the records, cost charged for copies, and other rights and requirements under the Act. All of this information is available from the Registrar (Jefferson 100) during the hours the office is open. The following information concerning present and former students may be available to the general public: name, attendance dates, telephone listing, present and home address, date and place of birth, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, degrees and awards received, and most recent previous educational agency or institution attended by the student.

Any student or former student may require that any or all of the above information not be released without the student's prior written consent, by completion of a form available in the Registrar's office. The form may be completed, withdrawn, or modified at any time the Registrar's office is open.

A student whose request for access is denied or not responded to within 15 days of receipt may appeal in writing to Jane Denkensohn, Special Counsel to the President (Kiel 1005), indicating the date of the original request for access, the particular records to which access was requested, the person to whom the request was made, and the reasons why the student believes he or she has a right of access to the record. The appeal will be decided no later than 25 school days after the receipt of the original request for access. A denial of an appeal may be further appealed to the General Counsel and Vice-Chancellor for Legal Affairs of the City University.

HONORS AND AWARDS

The Dean's List

The Dean's List is established each semester in accordance with standards set by the Dean of Students. Criteria are as follows:

Undergraduate degree students registered for 12 or more credits a semester. The Dean's List will be promulgated at the end of each Fall and Spring semester. (It is not promulgated for work taken during Summer Session). To be named to the Dean's List, a student must have an average of 3.5 in 12 credits of quality grades (A+ through F, WF, and WU) in that semester. Grades of Inc., Abs., P, NC, W, and Z will be ignored if the basic requirement of 12 credits of quality grades is met. All quality grades will be included in the computation. The credits considered will be those on the student's record of registration at the end of the third week of the semester. The determination of eligibility will be made only at the time the semester grades are posted. It will not be re-determined and awarded retroactively because of grade changes.

Undergraduate degree students registered for fewer than 12 credits in the Fall and Spring semester of the same academic year. The Dean's List will be promulgated in June on work completed in both semesters, September through June. In order to be named to the Dean's List, a student must have an average of 3.5 in a minimum of 12 credits of quality grades (A+ through F, WF, and WU) during the academic year. Grades of Inc., Abs., P, NC, W, and Z will be ignored if the basic requirement of 12 credits of quality grades is met. All quality grades will be included in the computation. The credits considered will be those on the student's record of registration at the end of the third week of the semester. The determination of eligibility will be made at the time the Spring grades are posted. It will not be re-determined and awarded retroactively because of grade changes.

A notation will be made on the grade report sent to the student at the time of determination of eligibility and on the grade label posted on the student's permanent record. This notation will indicate whether the determination was made on the basis of full- or part-time attendance.

General College Honors

General college honors, *summa cum laude*, *magna cum laude*, and *cum laude*, are conferred on graduating seniors who meet standards approved by the faculty. The academic averages required for honors degrees are 3.9 for *summa cum laude*, 3.75 for *magna cum laude*, and 3.5 for *cum laude*. Honors are figured on the total scholastic average, which includes Queens College work and work done at other institutions. To be eligible for honors, a student must have completed at least 60 credits with letter grades (A, B, C, D, F) at Queens College. Students who have taken work at other colleges must be eligible for graduation honors based on the Queens College work.

The combined average may lower the average or make the student ineligible, but may not raise the honor to which the student is entitled.

Departmental Honors

Departmental honors are conferred each year on those members of the graduating class who meet standards set by each department.

Honor Societies

Phi Beta Kappa, a nationwide organization and the oldest college society still active, honors good character, intellectual enthusiasm, and outstanding scholarship in the liberal arts and sciences. The Sigma Chapter of New York was authorized at the College in Fall 1949 and installed on January 9, 1950. Each year it elects as members a limited number of students whose records in the liberal arts are superior. Election to membership in a student's senior (or, exceptionally, junior) year is a unique distinction. No one may apply to join Phi Beta Kappa, but the nominating committee takes care to find those whose programs live up to the society's ideals. More information may be obtained from members who serve as liaison officers in each academic department.

Golden Key National Honor Society is a national, interdisciplinary, undergraduate, academic honors organization. The purposes of the Society are to recognize and encourage scholastic achievement and excellence in all undergraduate fields of study, to unite with collegiate faculties and administrators in developing and maintaining high standards of education, and to promote scholastic achievement and altruistic conduct through voluntary service. Invitations are extended to junior and senior students, full or part time, who rank in the top 15 percent of their class.

Sigma Xi, the Scientific Research Society, is a national scientific honorary society whose purpose is to encourage original investigation in pure and applied science. Queens College became a member in 1968. Membership is granted for interest in and contribution to creative work in science as well as for high scholastic achievement.

Kappa Delta Pi is the National Honor Society in Education, founded in 1911. The Kappa Gamma Chapter was installed at Queens College on December 16, 1963. It encourages excellence in scholarship, high personal standards, improvement in teacher preparation, distinction in achievement, and contributions to education. Invitations are extended to students in education on the basis of their cumulative and education indices and promise in the field of teaching.

Alpha Sigma Lambda, Upsilon Chapter, is the National Evening College Honor Society. Initial eligibility is established by completing 30 course credits with a minimum cumulative average of 3.2 through four semesters as a matriculate in evening classes. At least 15 credits must be completed outside the field of specialization. Ten percent of those eligible are selected annually for induction as new members.

In addition, the following honor societies have chapters at the College:

Beta Delta Chi (Chemistry and Biochemistry)

Omicron Delta Epsilon (Economics)

Pi Delta Phi (French)

Delta Phi Alpha (German)

Phi Alpha Theta (History)

Phi Upsilon Omicron (Home Economics)

Pi Mu Epsilon (Mathematics)

Pi Kappa Lambda (Music)

Pi Sigma Alpha (Political Science)

Psi Chi (Psychology)

Dobro Slovo (Slavic)

Sigma Delta Pi (Spanish)

College Awards

College awards are granted to outstanding graduating students at Baccalaureate by the Academic Senate Committee on Honors and Awards. Faculty may nominate students for the awards, and the Committee reviews records of all candidates for graduation with high grade-point averages. In making its selection, the Committee considers such factors as outstanding achievement in one or more fields of study, high grade-point average, and breadth of courses taken as well as evidence of originality, creativity, and promise of future contribution to society. Some of the awards have

special criteria, such as admission to graduate and professional schools, and contributions to the College and community.

The Alumni Association of Queens College Award is presented annually to a graduating senior who has maintained an outstanding academic record, has contributed to the best interests of the College, and has been accepted for graduate study at Queens College.

The Sunny Budow Memorial Scholarship is provided annually by her family and is given in her memory to a graduating senior in a health-related discipline who has maintained an outstanding academic record at the College, has made significant contributions in campus affairs, and has displayed qualities of concern for others, as Sunny did.

The Chaney-Goodman-Schwerner Award is offered annually to a graduating senior who has made a significant contribution in fostering human relations and eliminating divisions that separate peoples.

CMP Publications, Inc. Scholarship in Journalism or English is awarded at the beginning of the junior year to a student who has been a role model for African Americans, and is pursuing a career in Journalism or English.

Offered in the spring semester of the sophomore year for the following fall semester (junior status), the full-tuition award, based on academic achievement, will be given to a full-time student carrying a minimum of 12 credit hours each semester. The award is renewable for three additional semesters, subject to review of academic standing.

Selection of the scholarship recipient will be made by a committee of faculty and staff at Queens College. Additional information and applications are available in Powder maker Hall, Room 119.

The Judge Charles S. Colden Award is presented to a graduating senior who has maintained a high standard in scholarship and in character and has generally contributed to the best interests of the College.

The Martin David Dahlmann Memorial Alumni Scholarship is provided annually by the family of Martin David Dahlmann, a February 1970 graduate of the College. It is given in his memory to a graduating senior who has maintained an outstanding record at the College, has made significant contributions in campus affairs, and has been accepted to medical school.

Ivan C. Daly, Sr. Scholarship in the Physical Sciences is awarded to a black student, of junior class standing and with financial need, who is majoring in one of the physical sciences. The recipient shall have maintained an outstanding academic record at the College. The scholarship, which carries an award of \$500 per semester to be used for educational expenses, is renewable for three semesters subject to the maintenance of a 3.3 cumulative GPA or better and registration for a minimum of 12 credit hours each semester. Information on the application deadline is available in Powder maker Hall 119. This scholarship was established by Dr. Marie M. Daly, an honors graduate of the Class of February 1942, in memory of her father.

Evening Student Association Scholarships, funded by the Evening Student Association, are awarded to recognize matriculated students registered for evening courses who have achieved high grades in their academic work at Queens College. Information on the specific criteria and application deadlines is available in Powder maker Hall 119.

Dr. Peed D. Foster Scholarship is awarded to a lower junior woman or minority student majoring in the biological sciences who has an outstanding academic record and has been involved in community activities. The scholarship, which carries an award of \$500 per semester, is renewable for three semesters subject to the maintenance of a 3.3 cumulative GPA and registration for a minimum of 12 credit hours each semester. Information on the application deadline is available in Powder maker Hall 119.

The scholarship is funded by Dr. Foster's friends and colleagues. Dr. Foster is an honor graduate of the Queens College Class of 1943 and the recipient of the Alumni Association Distinguished Alumna Award of 1983.

The Charlotte Garfinkel Memorial Alumni Scholarship is given annually to a graduating senior who has maintained an outstanding academic record and has contributed generally to the best interests of the College.

The A. Joseph Geist Law Award is offered by the A. Joseph and Cecile A. Geist Foundation, Inc. The award is to be used for tuition by a Queens College pre-law student, accepted for admission to an accredited law school, who has maintained a high standard in scholarship and in character and has generally contributed to the best interests of the College. These awards are presented annually.

The Wilbur E. Gilman Scholarship of the Queens College Retirees Association is presented annually to a graduating senior with high academic skills who shows promise of contributing to the quality of life in New York City, and has plans for continued education.

The Helen T. Hendricks Scholarship is presented annually to a graduating student who has maintained high standards in scholarship, made an outstanding and valuable contribution of service to others in the Queens College community and/or in the community at large, served as a role model to minority students on campus, and been accepted to a professional school. The award is made by a group of alumni to acknowledge the contribution made by Helen T. Hendricks, a former member of the College staff, to their educational experience.

Jamaica Chamber of Commerce Scholarship is awarded to a full-time Queens College student pursuing a graduate degree in Economics who has an outstanding academic record and intends to pursue a career in business or industry in Queens County.

The scholarship, which comes a \$2,000 annual award, is renewable for a second year of study and requires the student to maintain a 3.5 cumulative GPA. Financial need is considered and residence in Queens County is required. Information on the specific criteria and application deadlines is available in the Office of the Dean of Graduate Studies and Research.

The Arthur H. Kahn Memorial Law Scholarship is provided annually by the family and friends of Arthur H. Kahn, former Special Counsel to the Board of Higher Education of the City University of New York. It is presented to a graduating senior who has maintained a high academic average, contributed to the best interests of the College, and has been accepted for study at the City University of New York Law School at Queens College.

The Dean Margaret Kiel Award is presented annually to a graduating senior in recognition of unusual academic excellence in studies leading to the baccalaureate.

The Donald E. Kirkpatrick Award is an annual award given to a graduating senior of outstanding academic achievement whose activities have been in the best interests of the College and its goals.

The Paul Klapper Awards are provided annually by the staff of Queens College and other friends in memory of the College's first president to encourage scholarly accomplishment, moral and intellectual integrity, and good citizenship. These awards are made to graduating seniors who plan to enter graduate work.

Howard A. Knag Scholarship of the Queens College Retirees Association is presented to a graduating senior with high academic skills who shows promise of contributing to the quality of life in New York City, and has plans for continued education.

Kupferberg Foundation Scholarship In the Physical Sciences is awarded to a lower junior who is majoring in the physical sciences, has an outstanding academic record, and intends to pursue a career in the academic world, business, industry, and/or research. The scholarship, which carries an award of \$625 per semester, is renewable for three semesters subject to maintenance of a 3.3 cumulative GPA and registration for a minimum of 12 credit hours each semester. Information on the specific criteria and application deadline is available in Powder maker Hall 119.

This scholarship is funded by the Kupferberg Foundation. Kenneth Kupferberg, Class of 1941, and Max Kupferberg, Class of 1942, are principals of the Foundation.

The Jean Thornton McManus Memorial Prize for Academic Excellence will be made annually to a student with the highest cumulative index upon the completion of the baccalaureate degree. To be eligible, a student must have completed at least 112 credit hours of quality point-bearing grades at Queens College. In case of a tie, the award will be divided equally between or among those eligible.

Mitsui USA Scholarships are two \$5000 scholarships that are awarded annually to students enrolled in their last two years of study in the Business and Liberal Arts (BALA) minor. Applicants should show interest in international business and its cultural environment, as demonstrated by their chosen course of study, special research projects or papers, and participation in organizations or events related to international commerce. Other criteria include strong academic performance, financial circumstances, and community activities. Applicants must be U.S. citizens or permanent residents (student visa status not eligible). These scholarships are funded by the Mitsui USA Foundation on behalf of the trading company Mitsui & Co. (USA), Inc.

The Joel Morrison Award is offered annually by the family and friends of Joel Morrison, a June 1973 graduate of the College. It is presented in his memory to the graduating senior who has maintained a high academic average and contributed to the best interests of the College.

The Evelyn Nagdimon Scholarship (\$200-\$500) is awarded each semester to a part-time evening and/or ACE student who is at least a sophomore (36 credits minimum). Applicants must carry 6-11 credits and demonstrate academic potential and financial need. Applications are available in the Adult Collegiate Education Office (Kiel 134A).

Mardel Ogilvie Scholarship of the Queens College Retirees Association is presented to a graduating senior who has maintained high academic standards, has shown promise of contributing to the community, and has plans for continued education.

Queens College Retirees Association Scholarship is presented to a graduating senior who has maintained high academic standards, has shown promise of contributing to the quality of life in New York City, and has plans for continued education.

Queens College Scholars awards four-year scholarships each year to a limited number of outstanding entering freshmen who have cumulative high school averages of 90%, or combined scores of 1,200 on the Scholastic Aptitude Test, or who rank in the top 10 percent of their high school graduating class. Finalists are chosen by the Queens College Scholars Committee. The QC Scholars are sponsored by: Astoria Federal Savings Bank; Barclays Bank of New York; Beyer Blinder Belle Architects and Planners; Brooklyn Queens Division; Campus Bookstores; Chemical Bank; The Ciampa Organization; Citibank; CMP Publications, Inc.; Saul B. Cohen Endowment; EDO Corporation; Flushing Chinese Business Association; Flushing Rotary Club; Joyce R Fox; Arnold and Beverly Franco Endowment; Carol Hochman; Korean American Association of Flushing; Harriet & Kenneth Kupferberg; Kupferberg Foundation; Liz Claiborne, Inc.; Merrill Lynch Foundation; Morse/Diesel, Inc.; National Westminster Bank USA; the New York City Cable Group; the New York Times Foundation; Queens College Women's Club, Inc.; Oscar Shaftel; Taylor & Taylor, Inc.; Time Warner; Wank Adams Slavin Associates; Leonard M. Weil Endowment.

The Queens College Women's Club Award is offered to graduating seniors who complete the baccalaureate degree with academic excellence. Two awards are presented annually.

Renaissance Scholarships are designed for upper-level students whose progress has shown evidence of academic maturation as they proceeded through their college careers. Awards of up to \$625 per semester are made in the spring for the following academic year. Renaissance Scholarships are sponsored by the JFK Chamber of Commerce-Leon D. Star, M.D. Memorial Scholarship Fund. Information on the specific criteria and application deadlines is available in Powder maker Hall 119.

The Roarers Memorial Award is presented annually to a graduating senior who has maintained a good academic record and made an outstanding contribution to the College through community service.

The Abe Rothenberg Memorial Award is given annually for outstanding academic achievement to a graduating senior who plans to go on to graduate school.

The Amy and Judi Sturm Memorial Scholarship is provided annually by the family and friends of Amy Sturm, a June 1982 graduate, and Judi Sturm, a June 1980 graduate of the College. It is given in their memory to a graduating senior in the liberal arts who has maintained an outstanding record at the College, has made significant contributions in campus affairs, and has been accepted to graduate study in mass communications, preferably at a branch of the City University of New York.

Kurt Weishaupt Scholarship is awarded to an entering student with strong academic credentials who, due to serious financial need, might not otherwise attend college. This scholarship carries an annual award of \$1,500 and is renewable for up to three years, subject to the achievement of a cumulative grade-point average of 3.0 or better, and registration for twelve or more credits each semester while on scholarship.

Applicants must apply for financial aid by completing the CUNY FAFSA and must have applied for admission to Queens College. Specific scholarship information and the application deadline are available in Powder maker Hall 119 (997-5502).

The scholarship is funded through the generosity of Kurt Weishaupt, a distinguished philatelist and a long-time resident of Queens County, whose interest in the future of his community is widely appreciated.

World Journal Culture Foundation, Inc. provides a journalism scholarship of \$1,000 to a senior who has a commitment to pursue a career in journalism. Offered in the Spring semester of the junior year for the following academic year (senior status), the award, based on academic achievement, will be given to a full-time student carrying a minimum of 12 credit hours each semester.

Program Awards

Adult Collegiate Education (ACE) students may apply in the ACE Office in Kiel 134A for the following scholarships (unless stated otherwise, all students must maintain a minimum course load of 6 credits):

The Doris and Joseph Eisen Scholarship (approximately \$275) is awarded each Spring to a full- or part-time student with a minimum GPA of 3.2. Applicants must be lower sophomores (at least 28 credits) and demonstrate academic potential.

The Richard H. Hagan Award of \$100 is presented annually to a graduating senior from ACE for academic excellence. *The Alfred Lewis Award* of \$100 is presented annually to a graduating senior from ACE for academic excellence.

The Martin Pine/Solomon Resnik Scholarship for Single Parents (approximately \$500) is awarded each Spring to a part- or full-time student who is a single parent (male or female) and demonstrates academic potential and financial need.

The Samuel Roane Memorial Scholarship for Minority Students (approximately \$200 to \$500) is awarded each Fall to a part- or full-time minority student (i.e., African-American or Hispanic). Applicants must demonstrate financial need and prior community service.

The Helen Rudolph Memorial Scholarship (approximately \$800) is offered each Fall to a part- or full-time junior (at least 61 credits) majoring in Jewish Studies.

The Dean Ernest and Marta Schwarcz Scholarship (approximately \$500) is awarded each Fall to a full-time student with a minimum GPA of 3.0. Applicants must demonstrate financial need and academic potential.

The May and Samuel Usadi Scholarship (approximately \$300) is awarded each Fall to a part- or full-time student. Applicants must demonstrate financial need and academic potential.

The Molly Weinstein Memorial Scholarship (approximately \$500) is awarded each semester to a part- or full-time student. Applicants must demonstrate financial need and academic potential.

The Jeffrey B. Barman Memorial Award is presented annually to a graduating senior who has made significant contributions to the needs and interests of disabled students on campus.

The Dr. Jeffrey Hollander Memorial Award is presented annually by the Premedical and Pre-dental Advisory Committee. Medical books are awarded to a pre-medical student who has been accepted to a medical school.

The Phyllis Althea McCoy Annual Award of \$100 is presented to a Queens College SEEK pre-law student who has been accepted for admission to an accredited law school. Should there be no such SEEK student, the award will be presented to a pre-law student from a minority group who has been accepted for admission to an accredited law school.

The Constantinos Paparrigopoulos Award of \$100 is presented annually to a graduating senior for excellence in Byzantine and Modern Greek Studies.

The Phi Beta Kappa Award of \$100, plus a one-year subscription to *The American Scholar*, is presented annually by the Sigma Chapter to an outstanding student member of Phi Beta Kappa.

Departmental Awards

The Accounting and Information Systems Department offers the *New York State Society of Certified Public Accountants Award* each year to at least one graduating senior for superior scholarship in accounting studies, and the *Professor Ralph G. Ledlev Memorial Award* of \$100 to a student with an outstanding scholastic record in the department who will be attending law school. The student who has contributed the most distinguished service in advancing the department's professional interests receives the *Professor Eugene Rosenreid Memorial Award* of \$100. The *Professor Louis Geller Award* of \$100 is given to an outstanding student going on to graduate studies in accounting. Additional grants of \$100 are awarded by the department to one or more students graduating with honors in accounting who intend to pursue graduate studies, and to other appropriately designated students as funds permit. The department also nominates an outstanding woman graduate for the *American Society of Women Accountants Award*, conferred upon outstanding women graduates in accounting in the metropolitan area. The *McGraw-Hill Accounting Award of Excellence* of two books and \$100 is presented to the student with an exemplary scholastic record plus outstanding service to the College and the department. The *Wall Street Journal Award*, is given to a graduating student for excellence in accounting. The award consists of a one-year subscription to the *Wall Street Journal* and a paperweight.

The Anthropology Department gives four special awards: the *Hortense Powder maker Memorial Award* to the graduating student who exhibits the greatest potential for a career in anthropology along with an outstanding scholastic record; the *Faculty Award* to the graduating student with the highest grade-point average in anthropology; the *Paul Mahler Memorial Award* to the most promising graduating major specializing in physical (biological) anthropology; and the *Lynn Ceci Archaeology Award* to the most promising graduating major specializing in archaeology. Additional departmental honors are awarded on the basis of superior scholarship. Students who wish to be considered should apply to the department's Chair before the beginning of their senior year.

The Biology Department offers the *Donald E. Lancefield Award* for excellence in biology, to be awarded to the biology major with the highest grade point average; the *Darwin Prize*, to be awarded to the biology major with the next highest grade-point average who has demonstrated an

interest in research; and the *Laura H. and Arthur L. Clown Prize*, for excellence in undergraduate research, to be awarded to a biology major who is not a pro-professional student.

The Chemistry and Biochemistry Department awards the following prizes: the *Stanley G. Konkol Memorial Award in Chemistry* is provided by the parents and friends of Stanley G. Konkol, Queens College Class of 1954; approximately \$500 is awarded to a graduating chemistry major planning to do graduate work. The *Maxwell L. Eidinoff Scholarship* was established by the Eidinoff family, friends, students, and colleagues on the occasion of his retirement from active teaching at the College for 44 years; an award of \$250 is offered annually to a graduating senior who has maintained an outstanding academic record, has contributed to the best interests of the department, and is planning to do graduate work. The *Dora M. Goldin Memorial Award* of \$500, in memory of a student who died in September 1966, is presented to a graduating major who has been accepted into medical school. The *Trudy Rothman Chemistry Award*, provided by Mrs. G. Rothman to encourage academic excellence, is awarded to a declared chemistry major who has completed four semesters of chemistry with grades of B or better, and a separate award goes to a graduating senior with the same background. The *Chemistry and Biochemistry Department Service Award* may be given annually to a graduating senior for service to the department. The *American Institute of Chemists Award* is a medal awarded on the basis of excellence in scholarship and leadership to students planning careers in chemistry or chemical engineering. The *Merck Index Award* is given to a graduating chemistry major whose qualifications are determined by the faculty of the department. The *Lenore F. Meadows Memorial Award*, in memory of a faculty member who died in April 1967, consisting of books selected by the recipient, is provided by the family, faculty, students, and friends.

The Classical and Oriental Languages Department awards prizes for excellence in language and literature study in the department.

The Communication Arts and Sciences Department presents annually the *Stewart E. Gilbert Award* to a student of outstanding performance for scholarship, character, and achievement in the field of communicative disorders; the *Arthur J. Bronstein Award* to a student who has distinguished herself or himself in the study of language and phonetics; the *National Academy of Television Arts and Sciences Scholarships* awards up to \$500 in support of undergraduate videotape, film, and/or sound projects; the *Outstanding Scholar's Award* to CAS undergraduate majors who have made outstanding scholarly contributions to the discipline of communication; and the *Wilbur E. Gilman Award* for outstanding service in the discipline of communication.

The Comparative Literature Department! awards the *Paul Zweig Memorial Award*, which is provided by the parents and friends of Paul Zweig, who taught at Queens College from 1971 to 1984. It is given to the most deserving graduate who majors in Comparative Literature.

The Computer Science Department offers three awards to outstanding students who have been recommended by the department's Honors and Awards Committee. The *Philip Drummond Memorial Award* is given for excellent academic achievement; the *Robert Spector Memorial Award* is given for high academic skills and service to other students; and the *Departmental Service Award* is given for outstanding service to the department.

The Drama, Theatre, and Dance Department presents annually the *Judith Paige Hoffmann Memorial Award* to a student who has distinguished himself or herself in the Drama, Theatre, and Dance program; the *Robin Hirshfield Miller Memorial Award* to a student who demonstrates the most promise in acting; the *Richard Henry Hommel Award* to a student best exemplifying the positive spirit and enthusiasm of the Drama student; the *Technical Theatre Award* for outstanding work in design and technical theatre; the *Dance Award* to the most outstanding student in theatre-dance; and the *Bertram L. Joseph Scholarship* for a distinguished student going on to graduate study in Drama.

The Economics Department awards the *Matthew Simon Memorial Award* to a graduating senior who has majored in economics and achieved a record of superior scholarship in the field. The *Henry S. Miller Award* is presented to a graduating economics major who has contributed the most distinguished service in advancing the department's professional interests. The *Arthur D. Gayer Memorial Award* is made to a graduating senior who has concentrated in economics and

has achieved a record of superior scholarship in the field. The *Persia Campbell Award* is offered to a graduating economics major who has presented the best undergraduate research paper in economics. The *Wall Street Journal Student Achievement Award* is given to an economics major with a record of superior scholarship; preference is given to students planning graduate work in management or public administration.

The *Steve E. Burdman Memorial Award* is given by the Delta Chapter of Omicron Delta Epsilon to a graduating economics major, who is also an active member of Omicron Delta Epsilon, for a combination of scholastic achievement and service. The *William Withers Award* is given to a graduating economics major who has demonstrated outstanding scholarship, creativity, and intellectual curiosity.

The School of Education presents the *Marc Belth Award* for studies in cognition. This annual prize of \$700 is awarded to a graduating undergraduate or graduate student of the College who has submitted an essay or paper in the areas of philosophical, social, or curriculum theory of education. The work should address an aspect of the thinking process and will be evaluated for its originality (i.e., the use of an unusual perspective); clarity of analysis; and logical defense and/or criticism of any arguments presented. Work should be submitted to the Marc Belth Award Committee, Yvette St. Jacques, Chair, Kiel Hall 1311, Queens College/CUNY.

The English Department awards the following annual prizes: the *John Golden Award* of \$1,000 to the student who shows the greatest literary promise in drama; two prizes for poetry: the *James R. Kreuzer Poetry Prize* of \$100 to the student who has shown the greatest promise in the field of poetry, and the *James E. Tobin Award* of \$100 for the best group of poems; the *English Faculty Award* of \$100 to the student who demonstrates creative versatility in two or more literary genres; the *Claire Bibuld Jacobs Prize* of \$100 for the best single work in short fiction; the *Clinton Oliver Memorial Prize* of \$100 for the single best work - scholarly, critical, and/or creative - that relates to the African-American experience; the *Ernst J. Schlochauer Memorial Prize* of \$100 for the best critical or scholarly essay in Shakespeare and English Renaissance studies; the *Norman Silverstein Memorial Prize* of \$100 for the best film criticism; the *Helen Viljoen Prize* of \$50 for the best work of non-fictional prose, exclusive of essays in literary criticism or scholarship; the *English Club Prize* of \$50 for excellence in any genre; the *Lois Hughson Prize* of \$50 for the best essay in the Orwell tradition; the *Women's Club Prize* of \$50 for the best work on women's experience; the *Myron Matlaw Prize* of \$100 for a work in any genre of wit and intellectual excellence; the *Norman Silverstein and Ella Peiser Awards* of \$500 each to juniors, and of \$250 each to sophomores, for excellence in

- 1) creative writing,
- 2) nonfiction, documentary, or biographical writing, and
- 3) for all-around excellence in English studies; the *Sandra Schor Writing Awards* of \$500 each for excellence in poetry, fiction, and nonfiction; five *Sandra Schor Writing Awards* of \$100 each for essays written in composition courses; and the *Immigrant Experience Prize* of \$50, which will be awarded for the single best work - scholarly, critical, or creative - that relates to the immigrant experience in America.

The Geology Department confers the *Lt. George C. Gierak Memorial Award* in memory of a former president of the Geology Club, who gave his life for his country. The *Geology Club of Queens College* awards an annual gift to the undergraduate geology major with the second highest scholastic index in the department. The *Queens College Economic Geology Club of the American Institute of Mining Engineers* presents an award to the graduating geology major showing achievement both scholastically and in the field of economic geology. The *Walter S. Newman Memorial Scholarship*, donated by the family and friends of the former professor and chair of the department, is a cash award given annually to a promising student to help defray the cost of field camp.

The Germanic, Slavic, and East European Languages Department selects the recipient of the *Literary Society Foundation Prize* of \$50 for Excellence in the Interpretation of German Literature, which is awarded annually to the graduating senior who is most gifted in the interpretation of German literature, on the basis of the student's performance in German courses. All students of German are eligible, but preference will be given to students who do not have a native German background. The *German Language Award of the Steuben Society of America* a

Steuben Gold Medal, Steuben Award Certificate, and a cash award of \$25 - will be presented to a full-time student of Queens College for excellence in the study of the German language.

The Health and Physical Education Department offers the following awards to graduating seniors: the *Frances P. Hoffman Memorial Award and the Glenn Howard Award for Academic Excellence in Physical Education* for two students who have demonstrated superior scholarship in physical education; the *Academic Excellence in Health Education Award* for a health education major who has demonstrated outstanding scholarship; the *Selma Schwartz Memorial Award* for a physical education major who has demonstrated superior scholarship and superior teaching ability; the *William Madden Service Award* for a student from the department who has demonstrated outstanding service; the *Madame Nassanova Award* for a physical education major who has demonstrated outstanding ability and performance in dance; in addition, the Alumni Association sponsors the *Alumni-Athlete Scholar Award* for a female and a male athlete whose records in athletics and scholarship have been superior. The *Alumni-Athlete-Scholar Award* is presented by the Department of Health and Physical Education.

The History Department offers four memorial awards: the *Koppel S. Pinson Prize* to the graduating senior with the highest record in history courses; the *Gaudens Megaro Prize* to a graduating senior for distinguished scholarship in European history; the *Solomon Lutnick Prize* to a graduating senior for distinguished scholarship in American history; and the *Richard W. Emery Prize* for distinguished scholarship in pre-1500 European history. Scholarship keys for distinguished records in history are awarded by the Queens College Chapter of Phi Alpha Theta, National Honor Society in History.

The Home Economics Department awards to graduating seniors the *Home Economics Departmental Award* for high scholarship and future promise; the *Home Economics Alumnae Service Award* for service to the Home Economics Club, the department, and the College; the *Margaret A. Gram Award* for scholarship and service; the *Eula Bee Corban Award* to an outstanding student of nutrition; the *Margaret Kiel Award* for scholarship presented by Home Economics Alumnae in memory of Dean Margaret Kiel; the *Hester Gray Award* to an outstanding teacher education student; and an award in honor of the late *Professor Shirley Schechter*, given to a graduate student who excels in academic record and research.

Jewish Studies awards the following annual prizes: the *Morgenthau Prize* of \$1000 for the best essay on a topic related to the Holocaust; the *William Fenster Memorial Scholarship* of \$400 for Jewish Studies majors (awarded to one or two students each year); the *Helen Rudolph Memorial Scholarship* of \$400 for Jewish Studies majors; and the *Helen Rudolph Memorial Scholarship* of \$400 for an ACE student majoring in Jewish Studies.

The Mathematics Department annually offers the *Eva and Jacob Paulson Memorial Award* to the outstanding graduating student in the department; the *Thomas A. Budne Memorial Award* for special talent and creativity in mathematics; the *Claire and Samuel Jacobs Award* for the best results in mastering calculus; the *Samuel Jacobs Memorial Award* for the greatest advancement in the study of calculus; the *Doris and Paul Tang Memorial Award* for distinction in probability and statistics; the *Arthur Sard Memorial Award* for outstanding work in mathematics; and the *Banesh Hoffman Memorial Award* for an outstanding senior in mathematics.

The Aaron Capland School of Music awards the following annual prizes to graduating seniors: the *Karol Rathaus Memorial Award* for excellence in composition; the *Choral Society Award* to a nonmusic major who has contributed to the musical life of the College; the *Michal Joan Ress Memorial Award* to an instrumental major; the *Maria and Raffaele Salerno Memorial Award* to a student intending to continue musical education toward a professional career; the *Adele Lerner Prize in Chamber Music*; the *William Gross Memorial Award* to a performer planning to continue studies at the School; and the *Claire and Samuel Jacobs Award and the LADO Award*, both to outstanding graduating students. The following annual awards are not restricted to graduating seniors: the *Freshman Award* given to a promising music student at the end of the freshman year; the *Rathaus Family Memorial Award*, distributed according to the wishes of the music faculty; the *Choral Society Award in Music Education* to a student showing great promise in teaching; the *Mark Kyrkostas Award* for distinguished work in piano or composition; and the *Discimus ut Serviamus Awards* for contributing to the musical life of the College.

The Philosophy Department annually offers the *Anna K. Edelman Award* to an outstanding student in the department; the *Nathan Gold Memorial Award* to an outstanding graduating major who plans to attend law school; and the *Fanny Gold Memorial Award* for a student who has done distinguished work in the area of Philosophy of Religion.

The Physics Department offers two prizes: the *Paul Klapper Physics Award* is given to an outstanding student graduating with honors in physics; and the *Physics Prize* is given to a graduating physics major who has an excellent record in the field.

The Political Science Department annually offers an award for academic excellence to an outstanding student in the department as well as a service award to a student who has made an unusual contribution to the department. Other awards include the *Eugene Hevesi Memorial Award* for enhancing the political process; the *Howard Ira Joselow Memorial Award* for academic excellence; the *Michael Harrington Scholarship Award*; and the *Pi Sigma Alpha Kappa Chapter Award* given to an outstanding student.

The Psychology Department offers the *Gregory Razran Award* to the graduating student with the highest grade-point average in psychology; the *Robert S. Woodworth Award* to the graduating student with the second highest grade-point average in psychology; and the *Arthur Witkin Certificate for Excellence in Industrial-Consumer Psychology* to a graduating student who has shown special scholarship, research, and internship achievement in this area. The *Raphell Sims Lakowitz Scholarship* of \$1,000 is offered annually to an undergraduate psychology major who has demonstrated both academic excellence and the ability to work in the clinical setting, and is intending to pursue a career in clinical psychology.

The Romance Languages Department, at each commencement, awards the *Margaret Wyman Hartle Prize in Romance Languages* to the outstanding student in the department. Other awards include the *Endler-Landau Memorial Prize* in French; the *Norman H. Paul Award* in French; the *Italian Prize*; the *Seymour Resnick Prize* in Spanish; the *Rafael Rodriguez Memorial Prize* in Spanish; and special departmental awards to students who have excelled in French, Spanish, Italian, or Portuguese. Several prizes are offered yearly by Italian business firms and friends of Italian studies at Queens College to graduate students or to graduating seniors who plan to continue their studies in the field of Italian.

The Sociology Department offers the following scholarships: *Joseph Gubernikoff Memorial Scholarship* is awarded to a graduating sociology major who has attained an exceptionally high grade-point average while taking varied and challenging courses (up to \$500); the *Paul F. Lazarsfeld Scholarship in Sociology* is to be awarded annually to a graduating student who satisfies one or more of the following requirements (day and evening students will be equally eligible): 1) A sociology major who will be accepted for admission by Columbia University's Graduate Sociology Department; 2) A social science major who will be accepted for admission by one of Columbia University's Graduate Social Science Departments; 3) A sociology major who will be accepted by a graduate social science department at a major university and who will follow a graduate education following the intellectual traditions established by Paul E Lazarsfeld (up to \$500); the *Patricia Kendall Lazarsfeld Undergraduate Scholarship in Sociology* is awarded annually to an undergraduate sociology major before he or she is eligible for graduation and who has a high academic average. Day and evening students will be equally eligible (up to \$500).

There are also two scholarships for Latino sociology majors - The *New York Times Company Foundation Endowed Scholarship for Latino Students*: to be presented annually to a Latino sociology major who is not yet a graduating senior; the *Graduating Senior Latino Endowed Scholarship*: to be presented annually to an undergraduate sociology major at the time of graduation. Eligible students must be Latino sociology majors with grade point averages and academic records consistent with students who receive honors in Sociology. Interest in the Latino community and financial need may also be considered. Each of these awards will be up to \$300.

Along with the Labor Studies Program, Sociology will be presenting the *DuBois Scholarship Award* and the *Sylvia Newman Scholarship Award*. Contact either office for eligibility requirements.

The Student Personnel Department presents the *Student Activities Award* to a student who has made an unusual and outstanding contribution in the area of student activities at the College. The *Dean of Students' Service Award* is presented annually for academic achievement and contribution of services to the student body. The department also selects the recipients of the *Kiwis Club of Flushing Award*, which is presented for meritorious attainment in scholarship and social service in the Flushing community.

NON DISCRIMINATION POLICIES

City University policies concerning discrimination are discussed in this section of the *Bulletin*. (For more information on the College's policies concerning nondiscrimination, sexual harassment and assault, security and crime prevention, drug, alcohol, and tobacco abuse, and AIDS, please refer to the booklet *The Facts*, which is available at the Information Center, Campus Bookstore, Dean of Students' Office, and at other locations around campus.) If after reviewing this material you find that you have additional questions not covered here, please contact Barry Register, Dean of Students, Powder maker 116, 997-5500.

NONDISCRIMINATION

Queens College is an Equal Opportunity and Affirmative Action Institution. The College does not discriminate on the basis of age, sex, sexual orientation, alienage or citizenship, religion, race, color, national or ethnic origin, handicap, or veteran or marital status in its student admissions, employment, access to programs, and administration of educational policies.

George Meyer is the College Director of Affirmative Action. His office is located in Kiel 1209 (997-5554).

The College Section 504 Coordinator's office is located in Kiel 171 (997-5870).

Jane Denkensohn, Esq., is the College Coordinator for Title IX, which prohibits sex discrimination in federally assisted education programs. Her office is located in Kiel 1005 (997-5725).

DISCRIMINATION ON THE BASIS OF SEX

Queens College complies with Title IX of the Educational Amendments Act of 1972, which protects persons from discrimination on the basis of sex in the operation of its educational programs.

Procedures

College procedures provide that any member of the staff or student believing himself or herself aggrieved because of discrimination prohibited by Title IX may file a grievance. All grievances should be initiated through the Step I Informal Complaint procedure set forth below.

Step I: Informal Complaints

A student or employee claiming that the College has failed to act in accordance with the provisions of Title IX may file a formal complaint, either orally or in writing, with the College Coordinator for Title IX in Kiel Hall, Room 1005. The complaint should be made within 30 working days of the date of the alleged occurrence(s), except for extenuating circumstances. Upon receipt of such complaint, the Title IX Coordinator shall conduct an inquiry in an attempt to resolve the complaint. The Title IX Coordinator shall take necessary action to resolve the situation, including recommendations to appropriate College officials. The complainant shall be notified by the Title IX Coordinator of the disposition of the complaint when the informal stage has concluded. Any settlement, withdrawal or disposition of a complaint at this informal stage shall not constitute a binding precedent in the settlement of similar complaints or grievances.

If the complaint is resolved, no further action will be taken and all records will remain confidential. If the complaint is not resolved within 60 working days of the filing of the informal complaint, or is not resolved to the satisfaction of the complainant, any complainant wishing to pursue the matter to formal grievance who is eligible to do so must file a formal grievance within 10 working days following notification of the disposition of the informal complaint, or within 70 working days of the filing of the informal complaint. Employees covered by collective bargaining agreements that include gender discrimination as a ground for grievance, must utilize the grievance procedure provided in their respective agreements.

The Title IX Coordinator shall be responsible for keeping a record of all complaints filed and dispositions thereof.

Step II: Formal Grievances

Formal grievances shall be filed with the Title IX Coordinator in Kiel Hall, Room 1005, on forms available in that office. The grievance must be presented in writing, setting forth the nature of the grievance, the evidence on which it is based and the redress being sought.

The President shall appoint the members of the Title IX review committee and shall designate a chairperson. The review committee shall be convened by the chairperson promptly upon receipt of

a grievance from the Title IX Coordinator. The review committee shall schedule a meeting with the grievance within 20 working days after the grievance is filed with the Title IX Coordinator, or as soon thereafter as is practicable, and shall investigate the complaint as appropriate. The Committee shall thereafter send its recommendation(s) to the College President. The President shall consider the recommendation(s) of the review committee, and shall render a written decision on the matter, which shall be sent to the grievance. The President shall take any action deemed appropriate to redress the grievance. There shall be no further recourse within the College for appeal of the grievance.

Persons seeking further information about Title IX matters should contact the Title IX Coordinator, Jane Denkensohn, Esq., Kiel 1005, 997-5725.

POLICY ON DRUG, ALCOHOL, AND TOBACCO ABUSE

The following program, in compliance with the Drug-Free Schools and Campuses Act Amendments of 1989 (Public Law 101-226), has been adopted and implemented at Queens College of the City University of New York to prevent the illicit use of drugs and abuse of alcohol and tobacco by students and employees. Copies of this statement will be made available to all Queens College students and employees.

No Smoking Policy

The City University has adopted a no smoking policy that prohibits smoking on CUNY premises except in designated areas.

Standards of Conduct: The legislature of the State of New York and federal statutes have made the possession, sale, or purchase of certain drugs without authorization a crime. New York law prohibits selling or giving alcohol to any "visibly intoxicated person." The possession and consumption of alcohol is illegal under state law for those under 21 years of age.

All members of the College community are expected to abide by the laws of the city, state, and federal government (Board of Trustees Bylaws, Article XV, Section 15.1). The College will not serve as a sanctuary and cannot insulate its members from the consequences of illegal acts. Queens College will not protect students or other members of the College community from prosecution under the law. All members of the College community are expected to abide by the city, state, and federal statutes that have made the possession, sale, or purchase of illegal drugs a crime. Students are expected to comply with the Rules and Regulations for the Maintenance of Public Order, which appear on page 52.

It is illegal to sell tobacco products to any person under the age of 18 in New York State.

Sanctions - Students: Any student found in violation of the above mentioned Rules and Regulations may be subject to disciplinary action. Sanctions for violation may include admonition, warning, censure, discipline, probation, restitution, suspension, expulsion, complaint to civil authorities, and ejection. These sanctions are defined on page 53.

A student who is experiencing difficulty with alcohol or chemical dependency may be referred to the Dean of Students or the Counseling and Advisement Center by members of the instructional staff or may seek assistance directly. The Dean of Students may take disciplinary action as required or may recommend that the student meet with a counselor for appropriate referral or assistance through self-help organizations or other outside intervention agencies. Serious health risks, documented by the medical community, accompany the use and abuse of alcohol and drugs.

Sanctions - Employees: The unlawful manufacture, distribution, dispensation, possession, or use of illegal drugs or other controlled substances and the unauthorized use of alcohol by employees in the workplace are prohibited. Employees of the University must also notify the Director of Human Resources of any criminal drug statute conviction for a violation occurring in the workplace not later than five (5) days after such conviction.

Employees who are experiencing difficulty with alcohol or chemical dependency will, at the request of their supervisor, be asked to meet with a counselor. The counselor, after the interview, may recommend appropriate assistance through self-help organizations or other outside intervention such as drug rehabilitation or employee assistance programs. Employees may also seek assistance on their own. Serious health risks, documented by the medical community, accompany the use and abuse of alcohol and drugs.

Employees found in violation of the Standards of Conduct referred to in this policy may be subject to discipline under the provisions of their Union contract and/or applicable College and University policy. The sanctions that will be imposed may include, in addition to those found in the various contracts, verified attendance and successful participation in a drug/alcohol assistance program.

Criminal Sanctions: The unlawful possession, use, or distribution of illicit drugs and alcohol is punished by harsh sanctions by the United States government and by the State of New York, which range from completion of an appropriate rehabilitation program through imprisonment.

Regarding illicit drugs, the seriousness of the offense and the penalty imposed upon conviction usually depend upon the individual drug and the amount of the drug held or sold. For example, in New York State the possession of four ounces of cocaine is a class A-1 felony, punishable by a minimum of 15 years and a maximum of life in prison. The sale of two ounces of cocaine will be similarly treated. The possession of more than eight ounces of marijuana is a class E felony, punishable by up to four years in prison, as is the sale of 25 grams of marijuana. It is important to be aware that, in New York, a gift of drugs, including marijuana, is treated as a sale. Federal penalties are similar to those assessed by the State.

Criminal penalties may also result from the misuse of alcoholic beverages. In New York, if you give or sell an alcoholic beverage a person less than 21 years old, you are committing a class B misdemeanor, punishable by up to three months in jail and a \$500 fine. Any sale of any kind of alcoholic beverage without a license or permit is also a misdemeanor punishable by a fine, a jail term, or both. If you are under the age of 21, you are prohibited from possessing alcoholic beverages with intent to consume them. Each violation is punishable by a \$50 fine. The beverages may also be seized and destroyed by Internal or external authorities. You can be fined up to \$100 and required to perform community service if you are under 21 and present a falsified proof when attempting to purchase alcoholic beverages, and you can have your driver's license suspended for up to 90 days if you use the license to try to purchase alcohol illegally.

These are only examples of the penalties that can be assessed against you. You should also know that it is the University's policy to discourage violations of federal, state, and city laws. Where appropriate, the University will refer persons who violate such laws for prosecution to the relevant governmental authorities and will cooperate fully with such authorities.

CAMPUS-BASED SERVICES

These services and information centers for alcohol and drug abuse are available to all member of the College community: Counseling and Advisement Center - Powder maker Hall 128, Health Service Center FitzGerald Gym 204; Office of Human Resources - Jefferson Hall 208. Information is also available in the Student Cafeteria & Student Union Lobby.

Federal Penalties and Sanctions for Illegal Possession of a Controlled Substance

21 USC 844(a) First conviction: Up to one year imprisonment and fined at least \$1,000 but not more than \$100,000, or both. After one prior drug conviction:

At least 15 days in prison, not to exceed two years, and fined at least \$2,500 but not more than \$250,000, or both. After two or more prior drug convictions:

At least 90 days in prison, not to exceed three years, and fined at least \$5,000 but not more than \$250,000, or both. Special sentencing provisions for possession of crack cocaine: Mandatory at least five years in prison, not to exceed 20 years and fined up to \$250,000, or both, if: (a) First conviction and the amount of crack possessed exceeds five grams; (b) Second crack conviction and the amount of crack possessed exceeds three grams. (c) Third or subsequent crack conviction and the amount of crack possessed exceeds one gram.

21 USC 8,53(a)(2) and 881(a)(7) Forfeiture of personal and real property used to possess or to facilitate possession of a controlled substance if that offense is punishable by more than one year imprisonment. (See special sentencing provisions re: crack.)

21 USC 881(a)(4) Forfeiture of vehicles, boats, aircraft or any other conveyance used to transport or conceal a controlled substance. *21 USC 844a* Civil Fine of up to \$10,000 (pending adoption of final regulations).

21 USC 853a Denial of Federal benefits, such as student loans, grants, contracts, and professional and commercial licenses, up to one year for first offense, up to five years for second and subsequent offenses.

18 USC 922(g) Ineligible to receive or purchase a firearm.

COURSES OF STUDY

Course information in this *Bulletin* is included as of January 1993. For information about new courses that may not be included in this *Bulletin*, and for further details concerning course descriptions, consult the department office. For possible changes and for details on courses designated "uncertain" (, or t.), consult the current semester's *Telephone Registration Guide & Schedule of Classes*, available at the Registrar's Office and Information Center just before registration periods.

Queens College's numbering system classifies courses according to level as follows:

- 0-99. These are courses unclassified with regard to level, and may or may not have prerequisites. They are offered by a department as a service to the College community or to other departments. Many satisfy LASAR. They are not part of a student's major in the department offering the course, but may be part of majors in other departments.
- 100-199. Freshman-level courses not having prerequisites, although they do assume that the student has reading, writing, and mathematical skills required for entrance to the College.
- 200-299. Intermediate-level courses normally taken after the freshman year. They may have prerequisites, but in general assume that the student has some appropriate background knowledge and familiarity with college-level work.
- 300-399. Advanced or upper-level courses not usually taken before the junior year. They may have prerequisites or corequisites at the intermediate level or above, but in general students are expected to have or to provide themselves with the background information implied by the course title and description. These courses also require more responsibility, initiative, and independence than low-level courses, and students must use the scholarly skills they have been introduced to in earlier courses. A student should take several courses at this level as part of the major.
- 400-499 (Department of Music only). The most advanced courses of a long sequence of courses begun in the freshman year and completed in the senior year.
- 500-599. Graduate-level courses offered by the various disciplines for teachers. They may be used in partial fulfillment of a master's degree program in education or for continuing education credit. Normally they do not require that the student has followed an undergraduate concentration in the discipline. A 500 level course may be taken by well qualified undergraduates with the permission of the department offering the course.
- 600-699. First-level courses in master's degree programs. A 600-level course may be taken by exceptional undergraduates with permission of the department offering the course.
- 700-799. Upper-level courses in master's degree programs. A 700-level course may be taken by outstanding undergraduates only with the permission of the department and the Office of Graduate Studies; or the department and the Dean of the School of Education in the case of graduate courses in Education.

In certain circumstances, it is possible for an undergraduate student to apply course credits taken during the undergraduate course of study toward the master's degree instead of toward the undergraduate degree. In such circumstances, the graduate course credits must be in excess of the 128 credits required for the undergraduate degree. In addition, the graduate courses cannot be counted as undergraduate major requirements. For additional information, students should consult with the Department Chair or graduate adviser.

ACADEMIC SKILLS

See Special Sequences and Courses, page 201.

ACCOUNTING AND INFORMATION SYSTEMS

Chair: Abraham J. Simon

Deputy Chair for Evening Studies: Marc Levine

Assistant Chair for Summer Session: David Hornung

Pre-Law Adviser for Social Science Division: David Salt

Dept. Office: Powder maker Hall 109, 997-5070

Professors: Adelberg, Geller, Levine, Siegel, Simon;

Associate Professors: Blumenfrucht, Leibowicz, Milich;

Adjunct Assistant Professors: Elan, Fitzsimons, Inetfield, Ross;

Instructor: Zhou;

Lecturers: Dauber, Erlach, Hornung, Klinger, Salt;

Adjunct Lecturers: Cohen, D., Cohen, F., Dennison, Fenichel, Ginsburg, Leonardi, Pasutto, Vail, Werber, Zuckerman;

Department Secretary: DePierro;

College Assistant: Trimboli

The Majors

Accounting Major

The department offers courses in accounting, information systems, business law, and taxation for accounting majors and other students.

Accounting majors may prepare themselves for a career in public, private, or governmental accounting, or for the teaching of accountancy in secondary schools.

Majors study a complex discipline concerned with and responsive to the changing economic, social, and legal institutional arrangements necessary to the functioning of modern societies. The functions of accountants encompass ever broadening spheres of activity. Transactions occurring between an economic entity - be it a family unit, small business firm, complex corporate organization, governmental organization, nonprofit organization, or national economy - and its environment constitute the raw materials of accounting. These must be converted by processes of classification and analysis to meaningful data so that their effects on the entity being subjected to the accounting process may be measured, interpreted, and communicated. Computerized systems are being used extensively in accounting applications, transaction processing, data analysis, and auditing. Computer applications are integrated into course work. Courses in Information Systems, Analysis, Design, and Implementation have been available since 1982.

The informational outputs of this process must meet the needs of various user groups in society. Among the users of accounting information may be internal decision makers, owners, creditors, investors, workers, managers, economists, and representatives of governmental agencies.

The decision process, organization theory, communication and information systems and theories are areas of interest and concern to students and researchers in accounting. Sophisticated mathematical models (especially with the development of computer science) are being used by accountants. Economic theory and analysis constitute basic tools for accountants. An understanding of the laws governing economic and financial relationships is essential. A knowledge of tax laws and procedures must be added to the accountant's store of information.

All students intending to major in accounting should discuss their plans with a member of the accounting faculty at the earliest opportunity.

Accounting majors must file a concentration form with the department *no later than* the lower junior semester.

Students majoring in accounting who want to qualify for admission to the Uniform CPA Examination must comply with the requirements of the New York State Board of CPA examiners, as set forth below:

	<i>credits</i>
Accounting 101 through 322	25
Accounting 361, 362, 363.	
Business Law	9
Accounting 367. Taxation	4
Economics 101 and 102.	
Introductory Economics	6

Economics 215. Money and Banking	3
Economics 241. Corporate Finance	3
Economics 249. Statistics	3

Three approved elective courses in addition to the above are required. These may be chosen from the following:

Accounting and Information Systems Department courses;
 Computer Science 12 preferred, 101 acceptable (but not both), and other approved computer science courses; (only 2 computer science courses may be used as electives unless the student is a computer science minor);
 Economics 205,206, 382, and other approved economics courses;
 Geology 25;
 History 238 and 275;
 Mathematics 21, 22, and other approved advanced mathematics courses;
 Political Science 211,223, 224;
 Psychology 226, 245;
 Sociology 224, 228;
 Urban Studies by approval of Chair. Students must read the specific department listing for prerequisite requirements. There are additional limitations on electives. Consult with the department.

Dual Major - Accounting and Economics

Students majoring in accounting may also receive a major in economics by completing 30 credits in the latter. All of the economics courses required for the accounting degree may be included for the concentration in economics. Economics 205 and 206 and 382 must be part of the 30 credits in economics.

Accounting Courses

All students taking courses in the Department of Accounting and Information Systems must earn a minimum grade of C- in any course taken in the department to advance to the next course in the sequence. Students earning a grade of D+ or less must retake the course in which the D+ or less was earned. Students who repeat a course in accounting are reminded that credit can be received only once.

A student must obtain a minimum grade of C- in each course in the department that will be used to meet the major requirements.

Students must earn a C average (2.0) for all courses usable for the major (i.e., accounting, economics, and other electives that can qualify as part of the major).

Note' English 95 or its equivalent is the minimum corequisite for all courses (see pp. 38, 124). +- offered *either* Fall or Spring: see *Class Schedule* +-*may* be offered see *Class Schedule*

100. Financial and Managerial Accounting. 4 hr.; 3 cr : Prereq.: Business and Liberal Arts 100 and permission of the BALA Director. This is a course in the theories and principles of financial and managerial accounting. Financial accounting includes the study of the preparation and interpretation of commonly used financial statements. Managerial accounting deals with the use of accounting data for managerial control and planning. Students will be introduced to the use of accounting systems programmed for the microcomputer, and to managerial decision making based on mathematical modeling. Not open to accounting majors.

101. Introduction to the Theory and Practice of Accounting 1.4 hr.; 3 cr :

Prereq.: Upper freshman standing. First course for accounting majors. Also gives nonmajors a fundamental understanding of the language of business as expressed in financial reports. Fall, Spring

102. Introduction to the Theory and Practice of Accounting I 1.4 hr.; 3 cr :

Prereq.: Accounting 101 and sophomore standing. Continuation of Accounting 101. Fall, Spring

201. Intermediate Accounting 1.4 hr.; 4 cr.

Prereq.: Accounting 102 and sophomore standing.

Intensive study of the theories of financial accounting, generally accepted accounting principles, and applications thereof. Relevant opinions and statements of the AICPA, FASB, and SEC. Fall, Spring

202. Intermediate Accounting II. 3 hr.; 2 cr.

Prereq.: Accounting 201 and junior standing. Continuation of Accounting 201. Relevant mathematical principles and applications thereof to accounting. Relevant opinions and statements of the AICPA, FASB, and SEC. Fall, Spring

305, 306. Cost Accounting.

Accounting 305: 3 hr.; 2 cr. Accounting 306:4 hr.; 3 cr :

Prereq.: For Accounting 305, Accounting 201 and junior standing; for Accounting 306, Accounting 305, Economics 241, Economics 249, and junior standing.

The theories and methods of accounting for costs of manufacturing and selling, with their practical application in different types of cost systems. Accumulation, presentation, and uses by management of various cost data. Quantitative analysis for decision making, including linear programming and capital budgeting models. Fall, Spring

311. Advanced Accounting. 4 hr.; 3 cr :

Prereq.: Accounting 202 and junior standing. Theory of accounting applicable to problems peculiar to large-scale business operations, including the problems of accounting for installment sales, consignment sales, branch operations, mergers, insolvencies, liquidations, and the preparation of consolidated financial reports. Relevant opinions and statements of the AICPA, FASB, and SEC. Fall, Spring

321, 322. Auditing. Accounting 321:4 hr.;3 cr.

Accounting 322:3 hr.; 2 cr :

Prereq.: For Accounting 321, Accounting 311 and senior standing; for Accounting 322, Accounting 321, Economics 249, and senior standing.

Auditing procedures, including applications to computerized systems, principles, and standards relevant to the practice of professional accountancy. Introduction to statistical sampling.

Pronouncements, research bulletins, and statements of auditing procedure issued by the AICPA, SEC, and AAA. Fall, Spring

331. Advanced Accounting Problems 4 hr.; 3 cr :

Prereq.: Accounting 306 and 311. Emphasis on theory, analysis, approach, and techniques. Fall, Spring

341. Accounting Information Systems. 3 hr.; 3 cr :

Prereq.: Computer Science 101 or equivalent, and Accounting 201 and 305.

This course focuses on methods and techniques for the analysis and evaluation of the design of accounting information systems, including computer-based systems. Topics covered will include an introduction to accounting systems theory, analysis of accounting systems, including documentation and design theory, accounting file structure, hardware/software selection and impact on accounting systems, system life cycle, including accounting controls, and systems implementation and maintenance from the auditor's standpoint. This course will require some use of computer resources. Fall, Spring

343. Microcomputer Applications in Accounting. 3 hr.; 3 cr :

Prereq.: Computer Science 101 or Computer Science 12 and Computer Science 100, Accounting 202 and 305. This course deals with specific uses of microcomputers as tools in the discipline of accounting in the following areas: transaction processing, analysis, and report preparation using commercial accounting systems; and mathematical and statistical analysis models that are used for managerial and financial accounting purposes. Software used includes data base management systems with translation utilities, permitting transfer of data from one commercial system to another through the use of Data Interchange Formats. Integrated packages are used to prepare reports incorporating analyzed data and graphics.

350. Financial Statement Analysis. 3 hr.; 3 cr.

Prereq.: Accounting 202. Analysis is made of financial statements from the perspective of users and prepares of financial reports including investors, creditors, auditors, accountants, and

management. Financial statements and related disclosures will be analyzed to gain a perspective on the company's health.

355. Accounting in International Environments. 3 hr.; 3 cr :

Prereq.: Accounting 306, 311, and senior standing.

This advanced-level course takes up the accounting, tax, and control problems and procedures arising from the flow of goods, services, money, and investments across national frontiers.

368. Trust and Estate Accounting. 2 hr.; 2 cr.

Prereq.: Junior standing or Accounting 366 or 367.

Special emphasis on preparation of fiduciary reports and principles of audits of fiduciary.

372. Governmental and Institutional Accounting. 2 hr.; 2 cr :

Prereq.: Junior standing and Accounting 102.

Survey of the systems, theory, and applications of the principles of fund accounting; emphasis on municipal, public, and nonprofit institutions. Fall, Spring

COURSES IN LAW RELATED TO BUSINESS AND TAXATION

361. Business Law I. 3 hr.; 3 cr :

Prereq.: Junior standing. Introduction to the law. Seeks to provide majors and nonmajors with an understanding of the law and the social forces that shape it. The basic structure through which law is implemented and enforced is reviewed, in addition to the specific rules of law relating to contracts, trusts, and estates. Fall, Spring

362. Business Law II. 3 hr.; 3 cr :

Prereq.: Accounting 361 and junior standing.

The law relating to forms of business organizations. Focus centers on agency and partnership relationships, corporate structure, and the role of government in business. Also considered are landlord relationships and bailments. Fall, Spring

363. Business Law III. 3 hr.; 3 cr :

Prereq.: Accounting 362 and senior standing.

The law relating to commercial transactions. Focus of the course is the Uniform Commercial Code, with particular emphasis on sales law, commercial paper law, and the law of secured transactions. Also considered are the laws relating to bankruptcy and insurance. Fall, Spring

365. Federal and New York State Taxes on Income. 2 hr.; 2 cr :

Prereq.: Accounting 102 and senior standing.

An introduction to the federal income tax as it relates to individuals. Particular emphasis is given to the basic multitiered tax structure. The underlying concepts of basis, inclusion, exclusion, deduction, and gain or loss are explored and defined, utilizing the Internal Revenue Code and related material.

366. Federal and New York State Taxes on Income. 2 hr.; 2 cr :

Prereq.: Accounting 365 and senior standing.

Continuation of Accounting 365. Special classes of taxpayers including partnership, estates, trusts, corporations of various types, and foreign taxpayers are considered as well as accounting and procedural rules.

367. Federal and New York State Taxes on Income. 4 hr.; 4 cr :

Prereq.: Accounting 102

and senior standing. A one-semester course covering Accounting 365,366. Fall, Spring

369. Gift and Estate Taxation. 2 hr.; 2 cr :

Prereq.: Accounting 366 or 367 or 368.

The laws and regulations of the federal and New York State governments governing taxes on gifts and at death. Considers both theory and practice; includes discussion of procedure.

SEMINARS AND SPECIAL PROBLEMS

381. Seminar in Advanced Financial Accounting Theory. 3 hr.; 3 cr :

Prereq.: Accounting 202 and 311 (senior standing recommended). Fall

382. Seminar in Advanced Managerial Accounting Theory. 3 hr.; 3 cr :

Prereq.: Accounting 202 and 306 (senior standing recommended).

383. Seminar in Law and Taxation. 3 hr.; 3 cr :

Prereq.: Permission of department.

391, 39'2. Special Problems. 391.1-391.31-3 hr.; 1-3 cr.;

392.1-392.3-1-3 hr.; 1-3 cr. Open to students of advanced standing who receive permission of the department to register. Recommended for students of high academic standing who want to undertake some special research topic related to accounting.

393. Seminar in Accounting. 3 hr.; 3 cr :

Prereq.: Successful completion of Accounting 391,392, and permission of department.

ADULT COLLEGIATE EDUCATION

Assistant Provost: M. Hratch Zadoian

Director: Robert C. Weller

Assistant Director: Colette Golinski

Office: Kiely 134A, 997-5717

Professors: Berkowitz, Erickson, Gambino, Hallmark, Pine, Rifkin;

Associate Professors: Lewine, Nathanson;

Assistant Professor: Bergman,

Adjunct Associate Professors: Jacobowitz, Mohan, Smaldone;

Adjunct Assistant Professor: Landau;

Adjunct Lecturers: Brown, Chustek, Einsohn, Johnson, Krest, Miceli, Moreland, Moskowitz, Percival, Shollar, Sirlin, Weller;

Department Secretaries: Christopher, Winick

The Adult Collegiate Education (ACE) curriculum provides an opportunity for adults 25 years or over to obtain the baccalaureate degree. The foundation of ACE is a special series of seminars, both conventional and interdisciplinary, in the arts, sciences, and social sciences, which satisfies a good portion of the College's Liberal Arts and Sciences Area Requirements (LASAR). Successful completion of this series of seminars will constitute about a third of the work for the degree. The remaining credits required for graduation will be distributed between the student's chosen field of concentration, the balance of LASAR courses, and elective offerings. Students may also qualify for a maximum of 36 life achievement credits.

The seminars are conducted by panels of faculty members from different departments, and draw upon the maturity and experience of the adult student, while at the same time encouraging the student to engage in independent study.

The courses described below are open only to students formally admitted to ACE. These courses may not be taken with the *P/NC* (Pass/No Credit) option.

ACE 95. Introduction to College Writing ACE 1. English Composition

ACE 3. Studies in Literature

ACE 4. Studies in Visual Arts and Music ACE 9. The Physical Sciences

ACE 15. Social Science Seminar I

ACE 16. Social Science Seminar II

Bio. 8. Fundamentals of Biology

Chem. 11. Chemistry for Today

Psy. 101. General Psychology

For details of admission requirements and procedures, write to the Director of ACE.

Courses

ACE 95. Introduction to College Writing. (formerly ACE 01) 4 hr.; 3 cr :

Emphasis will be on a variety of writing forms, including narration, description, and analysis; attention will be given to matters of grammar, syntax, punctuation, and diction.

ACE 1. English Composition. 4 hr.; 3 cr :

Prereq.: Passing grade on the CUNY Assessment Test or its equivalent as approved by the department.

Emphasis will be on clear, correct, and effective writing. Students will be introduced to methods of research and documentation.

ACE 3. Studies in Literature. 3 hr. plus conf.; 6 cr :

Prereq.: ACE 1.

Close reading and critical analysis of American and British fiction and poetry of various periods. This seminar combines a study of literature with continued training in clear and effective written expression. Conferences with the instructor will be scheduled.

ACE 4. Studies in Visual Arts and Music.

3 hr. plus attendance at selected concerts and museums; 6 cr :

The many convergences between music and the visual arts will be studied as they reflect aesthetic concerns common to both arts.

ACE 9. The Physical Sciences. 4 hr.; 4 cr :

A course designed to give students a qualitative and quantitative view of the physical world. Topics chosen, primarily from physics (and, to a lesser extent, astronomy), include: force, motion, gravitation, planetary motion, work and energy, heat, light, and electricity. During the study of each topic, selected numerical problems are solved. These problems, in addition to illuminating the subject matter, develop the student's skills in algebra, geometry (both plane and analytic), and trigonometry.

ACE 15. Social Science Seminar 1.3 hr.; 6 cr :

A study of the history of ideas in Western civilization from classical antiquity to the Reformation, from the perspective of the disciplines of history and philosophy, and related social sciences. Through an analysis of sources, both original and secondary, emphasis will be placed on political developments, philosophical trends, religious movements, and social institutions. Extensive independent reading under faculty supervision; oral and written presentations, research papers, and final examination.

ACE 16. Social Science Seminar II .3 hr.; 6 cr.

Prereq.: ACE 15. A continuation of the study of the historical development of Western civilization from the Reformation to modern times, through an analysis of sources, both original and secondary. In addition to the perspectives of the older, well-established disciplines of history and philosophy, the course will draw upon the insights of the newer social sciences: economics, sociology, and political science.

Biology.. B. Fundamentals of Biology. 2 lec., 2 lab. hr.; 3 cr :

(ACE students are required to take *either* Biology 8 *or* Chemistry II .)

A survey course in biology designed for students in ACE. The areas of cell biology, heredity, development, physiology, ecology, and evolution are covered. Emphasis will be placed on human-related topics such as health, the environment, and current developments in biology. No previous knowledge of biology or chemistry is assumed. Not open to students who have taken Biology 11. MAT charge, \$25.

Chemistry 11. Chemistry 1 or Today. (formerly Chemistry 15) 2 lec., 2 lab. hr.; 3 cr :

(ACE students are required to take *either* Biology 8 *or* Chemistry 11.)

A nonmathematical introduction to chemistry to provide some understanding of the chemical aspects of issues that confront today's citizen. The laboratory class will provide firsthand experience in various chemical techniques. MAT charge, \$25.

Psychology.' 101. General Psychology. 4 hr.; 4 cr :

An introduction to the chief facts, principles, methods, and theories of psychology. Topics discussed include the history of psychology, sensory and perceptual processes, motivation and emotion, behavior development, learning and cognition, psychometrics, personality, psychopathology, and social behavior.

HEALTH AND PHYSICAL EDUCATION

Physical Education 32. Adult Fitness Through Diet and Exercise. 3 hr.; 3 cr :

A specialized lecture/laboratory course that satisfies the physical education requirement for ACE students. Topics include body image, healthful food intake, and physical fitness. Through an individualized nutritional survey, an in-depth activity profile, and a thorough assessment of body constitution and physical fitness status, an exercise program will be planned to meet individual needs.

LASAR and Basic Skills Requirements

Satisfactory completion of the Basic ACE Seminars by students enrolled in ACE will fulfill the Queens College Basic and Advanced Learning Skills and most of the LASAR. These requirements became effective for students enrolling in ACE in September 1983 and thereafter. Transfer students, as a rule, may not apply courses taken at other institutions as substitutes for ACE seminars.

Upon completion of the Basic ACE Seminars, ACE students must also take one course from the current list in each of the following LASAR categories:

Humanities I,
Tier 2

Humanities III
 Scientific Methodology and
 Quantitative Reasoning

Note: English 95 or its equivalent is the minimum corequisite for all courses (see pp. 38, 124). t- offered *either* Fall or Spring; see *Class Schedule* may be offered; see *Class Schedule*

Some of the courses in these categories are offered by ACE during Summer Session. Foreign Language Requirement Queens College requires that all baccalaureate students attain a knowledge of a foreign language at a level equivalent to three semesters of study. ACE subscribes to the view that the satisfactory completion of the foreign language requirement is an essential element of a liberal education. The ACE administration is also confident that adult students are fully capable of acquiring competence in a foreign language and encourages students to meet the College requirement by completing three semesters of a foreign language.

Students may be exempted from this requirement by having successfully completed the third level (three years) of foreign language instruction at the high school level, or by prior completion of three semesters of a foreign language at an accredited college, or by having achieved a passing grade on the New York State Regents Comprehensive Language Examination (Level 3). In addition, students who have studied a foreign language or whose native language is not English may be exempted from part or all of this requirement by passing competency exams given or approved by the foreign language departments at the College.

ACE students may satisfy the foreign language requirement in one of the following ways:

- 1) Successfully complete three semesters of a foreign language. This is the normal Queens College requirement; see page 39.
- 2) ACE students who matriculated in Fall 1983 or thereafter and do not satisfy the language requirement by taking three semesters of foreign language may exercise the following option:
 - a) They must complete the first-level course of a foreign language of their choice (e.g., French, Spanish, Italian, Hebrew/Yiddish).
 - b) They must also successfully complete Linguistics 101, Introduction to Language.
 - c) They may then choose *three* other courses distributed in literature in English translation or in the culture and history relating to their chosen foreign language. Lists of authorized courses are regularly updated.

Courses used to satisfy the language requirement may *not* be used to satisfy any other requirement toward a major or LASAR.

Courses taken to satisfy the language requirement may be taken P/NC (Pass/No Credit). The ACE language option is available only to students who are formally registered for and complete ACE.

ACE Senior Awards

The ACE program offers the following cash awards to graduating seniors during the ACE Graduation ceremonies each Spring: *Richard H. Hogan Award for Academic Excellence*; *Sybil Leigh Award for Academic Excellence*; *Alfred Lewis Award for Academic Excellence*; *Haleem Rasheed Award for Community Service*; *S. Gary Schiller Award for Excellence in Political Science*; *Micheline Weisbroat Award to a Foreign-Born Student*; and the *Aaron Weiss Award*. Funds are provided by various memorials and endowments established for this purpose. Graduating seniors are asked to submit biographical and academic data, which is used by ACE faculty/administration selection committees for making these awards.

AFRICANA STUDIES

Director: Alem Habtu

Advisory Committee: Agbeyegbe,
Andrews, Araya, Bobb, Markovitz,
Ofuatey-Kodjoe, Sanjek

College Assistant: Gebreyesus

Office: Kissena Hall 340, 520-7545

The program offers a structured body of courses leading to a major or a minor in Africana Studies. It is designed to provide knowledge of the civilization, history, literature, culture, and institutions of the peoples of Africa, and peoples of African descent in the Caribbean and North America. Offerings consist of courses generic to Africana Studies as a whole as well as the following concentrations: Africa, the Caribbean, and the Afro-American experience.

Africana Studies should be of special interest to students who have either a cultural or professional interest in the African, Afro-Caribbean, or Afro-American experience. It should also be of interest to students who seek to understand a culture or civilization other than their own. It provides the background for graduate work in African, Caribbean, or Afro-American Studies, and may lead to careers in education, community organization and development, social work, business, media, and international service. Because the program draws from several disciplines, it is an excellent choice for a second major or a minor.

The Major

Students who major in Africana Studies must take a minimum of 36 credits from the offerings listed in the program. At least 18 of these credits must be in the required core curriculum. At least 3 credits must be in a seminar offered by Africana Studies or an approved departmental seminar. At least 9 credits must be in the area of concentration.

In addition, students who major in the program will be required to take three semesters of Arabic, French, Italian, Portuguese, or Spanish or pass a proficiency examination in an African language equivalent to the intermediate level. Students who have satisfied the College Foreign Language Requirement in any of these languages do not have to take another language.

Students who intend to major in Africana Studies should consult the Director and file a concentration form before enrolling in AFST 201.

The Minor

Students who minor in Africana Studies must take a minimum of 21 credits from the offerings listed in the program. At least 12 of these credits must be in the required core curriculum.

Students in Africana Studies must take a total of 36 credits as follows:

- A. Required Core Courses (21 credits) AFST 101,102, and 201; Economics 159; Political Science 277 and 278; AFST 300.
- B. Three courses (9 credits) in one of the following concentrations:
 - 1) *Africa:* History 111; Anthropology 211; Art 245; Economics 209; Political Science 237 and 256; Sociology 273.
 - 2) *The Caribbean:* History 118, 119, and 243; Puerto Rican Studies 204; Sociology 261,262, and 274.
 - 3) *Afro-American:* AFST 202, 203; Economics 219; English 354 and 355; History 277 and 278; Sociology 211, 271, and 272.
- C. Two courses (6 credits) to be selected from those above not already selected or from electives below:
 - Anthropology 233 Drama 306
 - Ethnic Studies 310 Music 5, 239, 240
- D. Consult Director for other courses that may satisfy elective credit for the major.

Courses

101. Survey of African Civilization I. 3 hr.; 3 cr :

An interdisciplinary survey of African civilization from the earliest times to the sixteenth century. The course will focus on the origins and development of civilization in Africa (Egyptian, Sudanic, Ethiopic, Malian, Ghanaian, Songhal, Zimbabwean, etc.).

102. Survey of African Civilization II. 3 hr.; 3 cr.

An interdisciplinary survey of African civilization from the sixteenth century to the present. The course will focus on the impact upon African civilization, culture, politics, and society of European expansion and colonialism in Africa.

201. Introduction to Black Cultures. 3 hr.; 3 cr :

The course will focus on the concept of culture as it relates to specific cultures in West Africa, the Caribbean, and the United States.

202. The Black Urban Experience. 3 hr.; 5 cr.

Prereq.: AFST 101 and 102 or permission of instructor.

An interdisciplinary study of the experience of black Americans in urban areas from World War I to the present. Special attention will be given to the effect of economic, political, and social factors on the black community and its institutions.

203. The Black Church in America. 3 hr.; 3 cr.

Prereq.: AFST 101 and 102 or permission of instructor.

The course examines and analyzes the social and historical development of the black church in America. It attempts to show the role of the church in the struggles of black Americans. The formation of independent black denominations, sects, and cults will also be evaluated.

300. Seminar in Africana Studies. 3 hr.; 3 cr.

Prereq.: Junior standing and permission of instructor. Topics to be announced.

Joint Offerings

Students may also plan a joint program in Africana Studies and either anthropology, economics, education, history, linguistics, political science, sociology, or urban studies. Students must take 24 credits of required courses in Africana Studies and 24 credits in the other department. Six of the 24 credits in the other department must be related to Africana Studies. See the appropriate department listing for credit information, description, and course scheduling.

Community Service Program Africana Studies involves its students in a program of meaningful service to the black community of Queens in the context of a fieldwork course.

AMERICAN STUDIES

Director: Frederick Buell

Advisory Committee: Bowen, Brofsky, Buechner, Clark, Gambino, Kelly, W., Lyons, Proefriedt, Schechter, Tucker, Warren, Weldman, Weinberg, Wreszin
Office: Klapper Hall 631,997-4666

The aim of this major is to develop an understanding of American society: its origins; its development; its economic, social, and political institutions; its philosophy; and its artistic and intellectual achievements. It is an interdisciplinary major, offering opportunity for study in a number of subject areas and enabling the student to obtain a broad knowledge of American life as a cultural experience.

The Major

American Studies majors are required to complete a minimum of 36 credits on the American experience. Specifically, majors must complete:

- A. American Studies 110;
- B. 9 additional credits in American Studies courses, including one 300-level course;
- C. 12 credits from the list of courses in one of the three *Perspectives on American Experience (Artistic, Historical, and Social)*;
- D. 6 credits from the list of courses in each of the other two *Perspectives*.

Students who plan to major in American Studies must have a minimum grade orb in American Studies 110.

Interested students should meet with the program Director to plan their course of studies as early as possible in their college careers. They should file their concentration form with the Director by their lower junior semester. American Studies 110 should be taken by majors as soon as possible and normally precedes courses taken in each of the three *Perspectives on American Experience*. Students must maintain a cumulative 2.0 grade-point average in courses applicable to the major.

Honors in American Studies will be granted to majors who maintain a cumulative 3.5 grade-point average in American Studies and write an honors essay approved by the Advisory Committee. The honors essay may be written in American Studies 390 or its equivalent in another department or program (e.g., in Art 343, English 399, History 394, etc., when the topic relates to American experience).

The Minor

The minor in American Studies consists of 18 credits, of which 9 must be in American Studies courses and 9 in courses drawn from one of the *Perspectives on American Experience*. Students must maintain a cumulative 2.0 grade-point average in these courses.

Perspectives on American Experience

As an interdisciplinary program, American Studies draws on the resources of other departments and programs in the College. The following list offers students a wide range of choices within which to satisfy the requirements for a major or minor in American Studies.

Perspectives on American Arts

Art 232

Drama, Theatre, and Dance 206

English 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 393, 395

Music 5, 236, 237, 238, 239, 240, 241 Yiddish 167, 174, 353

Perspectives on American History

History 103, 104, 257, 258, 259, 260, 261,

262, 263, 264, 265, 266, 272, 273, 274,

275, 276, 277, 278, 279, 280, 282, 283,

284, 285, 286, 288, 331, 332

Philosophy 147, 148

Perspectives on American Society Anthropology 207, 213, 214
 Economics 214, 219, 223, 224, 242, 246 Political Science 100, 210, 211, 212, 213, 214, 215, 216,
 217, 218, 219, 220, 221, 222, 229, 273, 381
 Sociology 103, 210, 211, 218
 Urban Studies 14, 107, 202, 251

Courses

110. Introduction to American Society and Culture. 3 hr.; 3 cr :

Prereq.: Lower sophomore standing.

An interdisciplinary study of some of the ways Americans have created a distinctive national culture. The course will explore a range of American cultural experiences from the eighteenth century to the present, including: expressions of our heritage in art and literature; changing patterns in our political and social life; the shaping power of our institutions and environment.

210. American Lives. 3 hr.; 3 cr :

Prereq.: Upper sophomore standing and English 120.

A study of how different Americans describe their own lives in autobiographies and other kinds of personal documents. The course will explore how "the American character" expressed itself at different times in different places and how various writers - both famous and obscure - tried to present themselves as unique individuals and as representative Americans.

Note: English 95 or its equivalent is the minimum

corequisite for all courses (see pp. 38, 124). -offered either Fall or Spring; see *Class Schedule* may be offered; see *Class Schedule*

212. The Popular Arts in America. 3 hr.; 3 cr.

Prereq. :Upper sophomore standing and English 120.

The growth and development of the popular arts in America, with particular emphasis on such forms as popular literature, photography, film, and advertising. The course will consider how popular art affects large audiences, how it succeeds as art, and how it yields a broad range of insights into our national life. The emphasis of the course will vary from semester to semester, but it may *not be* repeated for credit.

214. An American Decade. 3 hr.; 3 cr :

Prereq.: Upper sophomore standing and English 120.

A study of the significant political, social, and cultural currents through one decade of American life. This interdisciplinary course leads to a richer understanding of the manners, morals, tastes, and general ideas of a particular period in American life. This course may be repeated once for credit provided the decade is different.

216./Secondary Education

216. Education and the American Myth of Success. 3 hr.; 3 cr.

Prereq.: Upper sophomore standing and English 120.

This course will examine American definitions of success as they reveal themselves through American cultural history. From an interdisciplinary perspective, the class will also consider educational policies and practices as they have emerged within this cultural context and have helped shape the American myth of success. Readings will be drawn from economic, sociological, and educational theory, as well as from literature, popular culture, advertising, and public statements of business and industrial leaders.

300. Selected Topics in American Studies. 3 hr.; 3 cr :

Prereq.: Upper sophomore standing and American Studies 110.

Designed to provide advanced study of a selected topic in American Studies. The topic will vary from semester to semester and will be announced in advance. This course may be repeated for credit provided the topic is different.

390. Seminar in American Studies. Hr. to be arranged; 3 cr :

Prereq.: Open only to American Studies majors and by special permission of the program Director. An intensive study of a selected aspect of American Studies. May be repeated for credit provided the topic is different.

ANTHROPOLOGY

Chair: Frank Spencer

Assistant Chair: Gloria Levitas

Assistant Chair for Evening Studies: Stanley Meltzer

Dept. Office: Powder maker 234, 997-5510

Professors: DeBoer, Gregersen, Hansen, Rassam, Spencer;

Associate Professors: Moore, Sanjek, Stinson, Waterbury;

Assistant Professors: Besteman, Welch;

Adjunct Assistant Professor: Steffy;

Lecturers: Levitas, Meltzer;

Adjunct Lecturers: Belik, Jordan, *Kyrkostas, Maynard, Sadomskaya;

Higher Education Assistant: Steffy; *Department Secretaries:* Belferman, Kotler;

Professor Emerita: Mariam Slater;

Professors Emeriti: Meggitt, Owen

Please note: At the time this *Bulletin* went to press, the Anthropology Department was revising its curriculum. Students should check with the department for the latest information concerning course offerings and requirements for the degree.

The department aims to give students a knowledge of human origins and development, the varieties of human cultures, and cultural and social complexities of our species in both primitive and multicultural settings.

A major in anthropology provides the necessary preparation for graduate work in the field, as well as valuable background for careers in education, international studies, medicine and allied professions, sociology, and social work, and for participation in community organizations.

The Major

There may be major changes in the anthropology major within the next two years. Students anticipating a major in anthropology should consult the department concerning new requirements. Students wishing to major in anthropology may choose between two tracks: *general anthropology* and *pre-professional anthropology*.

The *general anthropology major* requires 33 credits distributed as follows:

Anthropology 101, 102, 103; one course from Anthropology 201, 240, 260; one course from Anthropology 205 through 219; Anthropology 31 O; one

*Affiliated with the department as Director of the Museum of the People of the City of New York. additional 300-level course; plus four more courses, at least two of which must be at the 200 or 300 level.

The *pre-professional major* requires 43 credits distributed as follows: Anthropology 101, 201, 240, and 260; one course from Anthropology 205 through 219 or 242 through 249; Anthropology 301, 310, and 311; two additional 300-level courses, plus four more courses, two of which must be at the 200 level or above.

Students must declare their intention to major in anthropology by requesting a department adviser and by completing a concentration form in consultation with the adviser. Pre-professional majors are especially encouraged to work closely with a faculty adviser. Although course requirements are designed to prevent premature undergraduate over specialization, there is sufficient flexibility to permit a student to emphasize cultural, biological, or archaeological anthropology. The selection of elective courses in the field of interest (both from within and outside the department) should be done in consultation with a faculty adviser from the respective sub discipline. In special cases, some requirements listed above may be waived with the approval of the Chair.

Joint Majors

The College offers a joint Latin American Area Studies and anthropology major. For requirements, see Latin American Area Studies. Other joint majors may also be arranged.

Combined B.A.-M.A. Program The department offers a combined (four-year) B.A.-M.A. program. For details concerning eligibility, consult the department Chair.

The Minor

The department offers minors in cultural anthropology, biological anthropology, and archaeology, each requiring 18 credits. The *cultural anthropology* minor requirements are: Anthropology 101, 102, 103, 201, plus any two other courses from among Anthropology 205-239 or 302-311. The requirements for the minor in *biological anthropology* are: Anthropology 101, 102, 103, plus 260 and any two other courses from among Anthropology 202, 270-279, 361, or 362. The *archaeology* minor requirements are: Anthropology 101, 102, 103, 240, plus any two other courses from among Anthropology 242259, or 341.

Department Honors and Awards Department honors at commencement are awarded to majors and minors on the basis of academic average and other indicators of excellence. The department gives seven awards:

Hornets Powder maker Award

Given to the most promising graduating major specializing in cultural/linguistic anthropology.

Faculty Award

Given to the student graduating with the highest grade-point average in anthropology.

Paul Mahler Memorial Award

Given to the most promising graduating major specializing in physical (biological) anthropology.

Lynn Ceci Archaeology Award

Given to the most promising graduating major specializing in archaeology.

Service Award

Given to a graduating student in recognition of service to the department.

Honors

Given to graduating students with a grade point average greater than 3.5.

Student Award

Given to the most promising student (major/minor) currently enrolled in the anthropology program.

Students who wish to be considered for honors should apply to the department before the beginning of their senior year.

Honors Seminars

Honors seminars in special topics are announced each semester. Inquire in the department office or in the Interdisciplinary and Special Studies Office.

Sequence of Courses

Anthropology courses are numbered as follows:

101-179: Introductory-level courses with no prerequisites.

201-279: Advanced courses in the various sub disciplines of anthropology: cultural anthropology (201-239), biological anthropology (260-279), and archaeology (240-259). Prerequisites: Six credits in social science or sophomore standing. (Note special requirements for Anthropology 250, 251, 252, 259, 260, 270, and 279. See entries under these numbers.)

301-397: Advanced courses (usually for majors) requiring junior standing and often having special requirements. See entries under these numbers.

Note: Anthropology 139, 159, 179, 219, 239, 249, 259, and 279 are "selected topics" courses to be offered from time to time. These courses are for special interest and/or experimental offerings in the various sub disciplines of anthropology. Information about selected topics courses to be offered each semester will be distributed in the *Department Announcement of Course Offerings*, which is available in the department office prior to the registration period.

Courses

101. Introduction to Cultural Anthropology. 3 hr.; 3 cr :
Fall, Spring

102. Introduction to Human Evolution. 3hr.; 3 cr :

This course presents students with the evidence of human evolution, the relation between humans and other primates, and the facts of biological. Through selected readings, students will explore the nature of the scientific process and the relationship between the fossil record and the varied interpretations within the scientific community of the development of the human species. Fall, Spring

103. Introduction to Archaeology. 3 hr.;; 3 cr.

From the hunting and gathering societies of the Paleolithic to the emergence of farming, states, and civilization, this course charts the major episodes of human cultural evolution as revealed by the archaeological, geological, and historical evidence. It will also introduce students to the methods used to retrieve data from the past. Fall, Spring

Note: Either Anthropology 101, 102, or 103 may be taken alone, and if all are taken there is no necessary sequence. However, the three courses together are designed to give a meaningful survey of anthropology and are a recommended sequence.

104. Language, Culture, and Society. 3 hr.; 3 cr :

Fall, Spring

105. World Ethnology. 3 hr.; 3 cr :

A survey of cultures of the world, designed for non-anthropology majors. May not be taken for credit toward the anthropology major, but may be taken for credit toward the B .A. Fall, Spring

106./Urban Studies 106. Cultural and Historical Development of Cities. (Cross listed as Urban Studies 106.) 3 hr.; 3 cr :

The anthropological and historical analysis of the development of cities throughout the world and over the past five millennia. The course will present various theories of the emergence of different types of cities. Fall, Spring

139. Topics in Cultural Anthropology. 3 hr.; 3 cr :

Topics will be announced. Course may be repeated provided the topic is not the same.**

140. Science and Pseudo-Science in Anthropological Perspective. 3 hr.; 3 cr :

An examination of the ideas of Von Daniken, Velikovsky, and other pseudo-science "popularizers" will be undertaken with the aim of stimulating critical evaluation of theft hypotheses. The supposed roles of extraterrestrial visitors and worldwide natural cataclysms in shaping civilization, folklore, and mythology will be discussed. Theories drawn from the mainstream of anthropology and general science will be offered for compansion.+

159. Topics in Archaeology. 3 hr.; 3 cr :

Topics will be announced. Course may be repeated provided the topic is not the same.

179. Topics in Biological Anthropology. 3 hr.; 3 cr :

Topics will be announced. Course may be repeated provided the topic is not the same. P,

201. Essentials of Social Anthropology. 3 hr.; 3 cr :

Prereq.: Six credits in social science or sophomore standing.

An intensive examination of kinship and other aspects of social organization. Fall, Spring

202. Introduction to Primates: Monkeys, Apes, and Humans. 3 hr.; 3 cr :

Prereq.: Anthropology 102 or permission of department. A comprehensive overview of the Order Primates from both a biological and a behavioral/ ecological focus, this course examines the similarities and differences between human and primate behavior and biology and their implications for human evolution. +

203. Human Sexuality. 3 hr.; 3 cr :

Sexuality is examined from the perspective of both physical and cultural anthropology. Topics covered include: an examination of Western approaches to sexuality; the history of sexology with

particular reference to the contributions of anthropologists; the evolution of sexual reproduction (with special reference to distinctively human aspects); sexual practices and ideology considered cross-culturally. Fall, Spring

204. Anthropology Through Film. 4 hr.; 3 cr.

Prereq.: Anthropology 101 or equivalent course in cultural anthropology.

Examination of commercial and documentary films for relevant social and cultural content. Films will be focused on either a culture area (e.g., Native North Americans, the Mediterranean, South Asians, etc.) or a conceptual category (e.g., religious styles, welfare, family life, etc.) or a technical application (e.g., archaeology, racial analysis, cross-cultural research). Students will be expected to observe, review, and criticize films in the course. Also, they will analyze ethnographic content of films for accuracy or slant. Appropriate discussions, texts, papers, and examinations will be required.,

205. Peoples of Mexico and Guatemala. 3 hr.; 3 cr :

Prereq.: Six credits in social science or sophomore standing.,

206. Peoples of South America. 3 hr.; 3 cr.

Prereq.: Six credits in social science or sophomore standing.,

207. Native Americans. 3 hr.; 3 cr :

Prereq.: Six credits in social science or sophomore standing. Fall, Spring

Note: English 95 or its equivalent is the minimum corequisite for all courses (see pp. 38. 124). *- offered *either* Fall or Spring; see *Class Schedule* +-*may be* offered; see *Class Schedule*

208. Peoples of Asia. 3 hr.; 3 cr :

Prereq.: Six credits in social science or sophomore standing. A comparative approach to traditional village life, patterns of stratification, gender roles, kinship groups, Great and Little religious traditions, and the continuity of values in contemporary urban life in South, Southeast, and East Asia. Anthropological studies will be used to examine these topics in India, mainland and island Southeast Asia, China, Korea, and Japan.**

209. Peoples of Europe. 3 hr.; 3 cr :

Prereq.: Six credits in social science or sophomore standing.**

210. Peoples of the Pacific. 3 hr.; 3 cr :

Prereq.: Six credits in social science or sophomore standing.**

211. Peoples of Africa. 3 hr.; 3 cr :

Prereq.: Six credits in social science or sophomore standing.**

212. Peoples of the Middle East. 3 hr.; 3 cr :

Prereq.: Six credits in social science or sophomore standing.**

213. Peoples of the Contemporary United States. 3 hr.; 3 cr :

Prereq.: Six credits in social science or sophomore standing.**

214. Peoples of New York City. 3 hr.; 3 cr :

Prereq.: Six credits in social science or sophomore standing.

Firsthand accounts and anthropological studies are used to compare the migration experience and social history of European immigrant, black American, and Puerto Rican New Yorkers. The second part of the course examines contemporary New York City: economic and work structures, housing and community organization, social issues, and immigration from other parts of the world.**

219. Selected Topics in Area Studies. 3 hr.; 3 cr :

Prereq.: Six credits in social science or sophomore standing.

Topics will be announced. Course may be repeated provided the topic is not the same.**

220. Food and Culture. 3 hr.; 3 cr :

Prereq.: Six credits in social science or sophomore standing.

This course introduces students to anthropological concepts and research that bear on the subjects of food, eating, nutrition, and disease. Topics covered include origins of human food related behaviors; changing dietary patterns as revealed by archaeology and physical anthropology; cultural aspects of diet, disease, and malnutrition; the relationship between diet and social organization, as well as symbolic aspects of human food taboos and preferences.,

221. Anthropology of folklore. 3 hr.; 3 cr :

Prereq.: Six credits in social science or sophomore standing.**

222. Women in Comparative Perspective. 3 hr.; 3 cr :

Prereq.: Six credits in social science or sophomore standing.

This course will review theory and research in anthropology relevant to the cultural definitions of male and female in selected societies.,

223. Family, Kin, and Friends in Anthropological Perspective. 3 hr.; 3 cr :

Prereq.: Six credits in social science or sophomore standing. The goal of this course is to understand the changes occurring in contemporary family, kin, and friend relationships by an evolutionary and comparative examination of such structures from other times and other cultures.**

224. Anthropology of Religions. 3 hr.; 3 cr :

Prereq.: Six credits in social science or sophomore standing.**

225. Culture, Medicine, and Curing. 3 hr.; 3 cr.

Prereq.: Six credits in social science or sophomore standing.

This course focuses on the interaction of cultural, biological, and ecological factors that may influence human health. Specific areas to be covered will include the transmission of infectious disease, nutritional deficiencies, and inherited diseases.,

226. Culture and Personality. 3 hr.; 3 cr :

Prereq.: Six credits in social science or sophomore standing.**

227. Anthropology of Education. 3 hr.; 3 cr :

Prereq.: Six credits in social science or sophomore standing.

Anthropological approaches to the study of education and culture transmission in this and other societies. A consideration of education as a cultural institution from the cross-cultural perspective.**

228. House, Town, and Village. 3 hr.; 3 cr :

Prereq.: Six credits in social science or sophomore standing.

This course provides an introduction to the analysis of the relationship between space, settlement patterns, and culture in both the pre industrial and the modern world. It begins with a discussion of the biological aspects of the human use of space, concepts of territoriality, and proxemics. Then, using materials drawn from archaeology, history, cultural anthropology, and traditional architecture, it examines the ways in which culture - including politics, economics, values, belief systems, technology, and social organization - affects structural form and plans, as well as settlement patterns in a few selected societies. Pre-urban forms and solutions are contrasted with those of the urban world to clarify the understanding of the forces that lie behind "primitive" and vernacular building and architecture.**

229. Patterns of Aging. 3 hr.; 3 cr :

Prereq.: Six credits in social science or sophomore standing. Comparative perspectives on the process of aging and the social life of old people, using anthropological studies from other cultures and from the U.S. Attention is also given to major government programs for the elderly, and to social movements (Displaced Homemakers, Gray Panthers, etc.) of aging Americans.

230. Anthropological Linguistics. 3 hr.; 3 cr :

Prereq.: Six credits in social science or sophomore standing.

Introduction to fundamental ideas of linguistics, in terms of their relevance to anthropology.**

231. Peasant Culture and Society. 3 hr.; 3 cr :

Prereq.: Six credits in social science or sophomore standing.**

233. Race and Racism. 3 hr.; 3 cr :

Prereq.: Six credits in social science or sophomore standing. Ideas of race occupy a central place in the history of Western civilization, especially in the U.S. This course examines the historical development of these ideas from early colonial times through the beginning of the twentieth century. Emphasis is on the development of scientific attitudes in the nineteenth century because during this period anthropology, medicine, psychology, and sociology became powerful instruments in formulating racial theories and in justifying political and social injustice.**

237. Anthropology of Multicultural Teaching. 3 hr.; 3 cr :

Prereq.: 6 credits in social science or sophomore standing. Anthropological approaches to multicultural education and cross-cultural teaching and training in pluralistic societies. A consideration of anthropological perspectives on and concepts for the process of culture transmission in multicultural/multiracial environments.

239. Topics in Cultural Anthropology. 3 hr.; 3 cr :

Prereq.: Six credits in social science or sophomore standing.

Topics will be announced. Course may be repeated provided the topic is not the same.

240. Essentials of Archaeology. 3 hr.; 3 cr :

Prereq.: Six credits in social science or sophomore standing.

An examination of archaeological techniques and methods of interpretation that provide the basis for reconstruction of the lifeways of past cultures. Fall, Spring

242. Archaeology of the Old World. 3 hr.; 3 cr.

Prereq.: Six credits in social science or sophomore standing.

Cultural evolution in Europe, Asia, and Africa from the beginnings to the ancient civilizations.**

243. Archaeology of the New World. 3 hr.; 3 cr :

Prereq.: Six credits in social science or sophomore standing.

Cultural evolution in the Americas from the beginnings to the European conquest.,

244. Archaeology of New York. 3 hr.; 3 cr :

Prereq.: Six credits in social science or sophomore standing.

This course examines the archaeological evidence of the 10,000-year-old sequence of rich and diverse cultures in New York. Course work includes a survey of sites and artifacts representing cultures from Paleo-Indian to Historic Iroquois and Algonquian, and from early colonists to nineteenth-century urban dwellers and ethnic groups. Emphasis is placed on the anthropological approach to the analysis of material traces of prehistoric and historic societies, thus illustrating archaeological method and theory.**

249. Selected Topics in Archaeological Area Studies. 3 hr.; 3 cr :

Prereq.: Six credits in social science or sophomore standing or permission of instructor.

Topics will be announced. Course may be repeated provided the topic is not the same.

250. Field Methods in Archaeology. 250.3250.6.-3-6 hr.; 3-6 cr.

Prereq.: Anthropology 103 or 240.

Field training in archaeological survey and excavation in actual selected field sites. Basic archaeological field techniques will be taught and students will develop skills in scientific data-recording procedures. Prehistoric sites will be located, mapped, and described, and cultural materials will be recovered in the field for subsequent laboratory analysis.,?

251. Laboratory. Methods in Archaeology. 3 hr.; 3 cr :

Prereq.: Anthropology 103 or 240. This course focuses on teaching students various aspects of lab analysis of archaeological collections. Training in archaeological map making, drafting, photography, and archaeological dating techniques will be offered. Conducted as a seminar, the course will utilize individual student projects in various aspects of lab analysis of archaeological collections. MAT charge, \$15. ?

252. Historical Archaeology. 3 hr.; 3 cr :

Prereq.: Anthropology 103 or 240.

Historical archaeology is the new and important sub discipline of archaeology that focuses on the material remains of the historic or recorded past. The course describes and analyzes the special methods, theories, and contributions of this inquiry, and surveys historic sites around the world, including medieval, frontier, colonial, fort, Native American, plantation, industrial, urban, and marine locations.

259. Topics in Archaeology. 3 hr.; 3 cr :

Prereq.: Anthropology 103 or 240. Topics will be announced. Course may be repeated provided the topic is not the same.

260. Essentials of Biological Anthropology. 3 hr.; 3 cr :

Prereq.: Anthropology 102 or any college biology course.

Focuses on the process of human biological evolution. Fall, Spring

270. Human Disease: An Introduction to Epidemiology. 3 hr.; 3 cr :

Prereq.: Anthropology 102 or 260 or any college biology course.

This course is an introduction to the principles and methods used by epidemiologists to determine the causes and the study of the distribution of diseases in human populations. Cultural aspects of disease are integrated with archaeology and physical anthropology in a broad historical survey to illustrate the impact of disease on historic populations.

272. The Human Skeleton: Osteology and Anthropometry. 3 hr.; 3 cr :

Prereq.: Anthropology 102 or any college biology course. Using an anthropological and evolutionary perspective, this course combines an anatomical and functional approach in order to acquaint students with the human skeleton and identification of skeletal remains. Also introduces students to metric studies and to the use of osteometric and anthropometric instruments.

279. Topics in Biological Anthropology. 3 hr.; 3 cr :

Prereq.: Anthropology 102 or 250 or any college biology course.

Topics will be announced. Course may be repeated provided the topic is not the same.

301. Anthropological Statistics. 4 hr.; 4 cr :

Prereq.: Nine credits in anthropology and junior standing.

This course shows students how anthropologists do their research, which statistical methods they most often use, and the criteria used to select appropriate statistical techniques. Students will receive hands-on experience in computer-aided statistical analysis.

302. Ecology and Culture. 3 hr.; 3 cr :

Prereq.: Nine credits in anthropology and junior standing.

303. Economic Anthropology. 3 hr.; 3 cr :

Prereq.: Nine credits in anthropology and junior standing.

304. Political Anthropology. 3 hr.; 3 cr :

Prereq.: Nine credits in anthropology and junior standing.

310. History of Anthropological Thought. 3 hr.; 3 cr :

Prereq.: Nine credits in anthropology and junior standing. Fall

311. Seminar in Cultural Anthropological Theory. 2 hr. plus conf.; 3 cr :

Prereq.: Twelve credits in anthropology and junior standing. Course may be repeated for credit provided the topic is different. Spring

341. seminar in Archaeological Theory. 3 hr.; 3 cr :

Prereq.: Twelve credits in anthropology, including at least one course numbered 240 to 259, and junior standing.

361. Human Variation. 3 hr.; 3 cr :

Prereq.: Anthropology 260 or two college biology courses and junior standing.

362. Human Paleontology: The Record of Human Evolution. 3 lec., 3 lab. hr.; 4 cr :

Prereq.: Anthropology 260 or two college biology courses and junior standing.

365. Seminar in Biological Anthropology. 3 hr.; 3 cr :

Prereq.: Twelve credits in anthropology, including at least one course numbered 260 to 279, and junior standing.

395. Selected Studies in Advanced Anthropological Theory. 3 hr.; 3 cr :

Prereq.: Anthropology major with at least 24 credits in anthropology and junior standing.

Topics vary from semester to semester and will be announced in advance. May be repeated for credit provided the topic is not the same.

397. Directed Research in Anthropology. 397.1-397.6-1-6 hr.; 1-6 cr.

Maximum of 12 credits applicable to the baccalaureate degree. Prereq.: Anthropology major with at least 24 credits in anthropology and junior standing. The student undertakes an individual research problem and pursues it under the supervision of a member of the staff. Fall, Spring

ART

Chair: Barbara G. Lane

Art History Deputy: Ellen Davis

Studio Art Deputy: Marvin Hoshino

Art Education Adviser: Lawrence Fane

Dept. Office: Klapper Hall 172, 997-4800

Art History: Klapper Hall 168, 997-4803

Studio Art: Klapper Hall 172, 997-4800

Professors: Andrews, Birmelin, Bruder, Carlson, Clark, Cohen, Fane, Kramer, Lademan, Lane, Ruffins, Slatkes, Weinberg;

Associate Professors: Davis, Hofsted, Hoshino, Lewine, Porter, Saslow, Snider;

Assistant Professors: Connor, Magid, Sund;

Lecturer: Percival;

Administrative Assistant: Gershoff;

Department Secretaries: Periman, Ross;

Physical Plant: Krest, Smith

The department offers major programs in two areas: Art History and Studio Art. Both programs provide training in these disciplines within the framework of a liberal arts curriculum. It is assumed that further professional and scholarly developments will take place after the Bachelor of Arts degree, according to the needs and objectives of the individual student.

A Bachelor of Fine Arts program in Studio Art is now being offered in addition to the Bachelor of Arts program. Interested students should consult the B.E.A. adviser. See requirements under Studio Art, below.

Students majoring in art must fulfill department requirements as outlined below, as well as particular prerequisites as indicated in the course descriptions. They may apply to be exempted from taking a course required for the major by passing the examination in the course (in Art History), or by obtaining the Examining Committee's approval of a portfolio of work (in the Studio Art area). Exempted students will take a more advanced course instead.

Students majoring in other fields may have the prerequisites waived for any art courses. However, they should consult with a department adviser to ascertain the nature of course demands, and receive advice on courses best suited to their interests.

The Majors

All students majoring in art are required to take Art 101 and 102, except that students who elect to become art majors after having taken Art 1 should take either Art 101 or 102 in addition. No more than six credits from these three courses may be applied to the baccalaureate degree requirements.

Note: Art majors may not satisfy the LASAR Humanities II category with an art course, and must take Music 1 or 8; or Drama, Theatre, and Dance 1,100, 101, 102, 111,150, 201,202, 203,204, 269, or 308.

ART HISTORY

The major in Art History requires 36 credits, in addition to which there is a special foreign language requirement. The credits are distributed as follows:

Art History - 30 credits, including:

Art 101 and 102. (Art 1 may be substituted for one of these if taken before the student has elected to major in Art History.)

Art 340, Senior Colloquium, to be taken during the senior year.

21 credits in Art History, selected from Art 115, Art 200-250, and Art 335-343. In order to take more than three art history courses in any one semester, students must have written permission from the art history adviser.

History - 6 credits, chosen in consultation with the adviser.

Foreign Language - to be satisfied by one of the following options: through course level 4 in French, German, or Italian; or through course level 3 in one of the above languages, plus a reading course in a second of these languages (or if a reading course is not offered, a beginning course in the second language may be substituted); or through course level 2 in Ancient Greek or Latin, and

a reading course in French, German, or Italian (or if such a course is not offered, a beginning course in one of these languages).

Students who have satisfied the College foreign language requirement in a language other than one of those listed above will normally be expected to complete the departmental requirement as well. Consult the art history office for further information.

Transfer students who want credit toward the major in Art History must have taken courses equivalent to those required at Queens College. Requests for transfer credit will be evaluated by the department.

STUDIO ART

The department offers a Bachelor of Arts and a Bachelor of Fine Arts in Studio Art.

Note: English 95 or its equivalent is the minimum

corequisite for all courses (see pp. 38, 124). *-offered either Fall or Spring; see *Class Schedule*

++-may be offered; see *Class Schedule*

Both prepare a student for creative or professional work in various media. The B.A. also provides part of the necessary background for the teacher of art in secondary schools (see below). Students interested in the teaching of Studio Art in college should apply for the B.F.A. program and plan to attend graduate school in an approved Master of Fine Arts curriculum.

For either the B.A. or the B.E.A. in Studio Art, or the B.A. in Art Education, a student must complete the following basic sequence:

Prescribed Basic Courses (Group A): Art 151,153, 161,162, 181,182-18 credits. Students must complete these basic courses before registering for intermediate and advanced studio courses. They may, however, take no more than two upper level courses before finishing the basic Group A sequence.

Art History- 12 credits including Art 101 and 102. (Art 1, if taken before the student elects to major, may be substituted for one of these.)

In general, the art courses listed above should be taken by the end of the third semester of residence. The student's achievement is then evaluated by the department's Junior Conference Committee, composed of Studio Art faculty. This committee, along with the student, then plans a sequence of courses for the upper two years of residence, which conforms to the student's needs, abilities, and interests. A concentration form listing these courses is filed with the department office. A student wishing to apply for the B.F.A. program should do so at this time by petition to the Junior Conference Committee.

The B.A. program is completed with a total of 42 credits in Art, to include 10 credits of Studio Art electives and Art 391, Senior Project, to be completed in the seventh or eighth semester. Students may not register for more than 42 credits in art without permission of the department. At least one semester of recommended studio work must intervene between the completion of the basic Group A courses and registration for Art 391. The B.E.A. program is completed with a total of 82 credits, distributed as follows:

Studio Art electives - 45 credits.

Art 350, Studies in Comparative Analysis.

Art 391 and 392, Senior Project.

ART EDUCATION

Students planning to teach in junior or senior high schools are required, for certification in the State of New York and for licensing in New York City, to complete 42 credits in art plus prescribed courses in secondary education. The requirements are similar to those of the B.A. in Studio Art, except that Art 235 or 236 should be included in the 12 credit Art History requirement. The required secondary education courses are SEYS 201, 221,222, 333,365, and 375.

Joint Major in Drama & Theatre and Art

See the announcement in this *Bulletin* under Drama, Theatre, and Dance.

Transfer Students

Transfer students who want to major in Studio Art, Art Education, or Drama & Theatre and Art must present a transcript and portfolio to the Transfer Credit Evaluation Committee of the Art Department. They may be credited with up to 6 credits in Studio Art on the basis of transcript only,

or up to 15 credits on the basis of transcript and portfolio. In addition, a transfer student may receive as many blanket credits in studio work as the committee considers justified. Except as the committee may exempt them, transfer students will take all of the prescribed basic courses and Senior Project at Queens College. Transfer students should defer the taking of Art 391 or 392 to their final semester in residence at Queens College.

The Minors

The minor in *Art History* requires 18 credits, which should include Art 101 and 102 (*Art 1*, if already taken, may substitute for either). Four elective courses, which must include one course from at least three of the general areas of art history - ancient, medieval, renaissance, baroque, and modern - to be selected from Art 115, Art 200-250, and Art 335-343.

The minor in *Studio Art* consists of 21 credits: five courses selected from the six basic courses in drawing, painting, design, and sculpture (Art 151, 153, 161, 162, 181, 182), one introductory course in art history (Art 101, 102, or 1), and 3 credits of studio electives.

Courses

INTRODUCTORY COURSE

1. Introduction to Art. 3 hr.; 3 cr :

An introduction to an dealing with the basic concepts of painting, sculpture, and architecture and their formal, symbolic, and expressive functions. The lectures are illustrated with slides. Fall, Spring

ART HISTORY

No more than 6 credits in introductory courses (Art 1, 101, 102) in Art History may be applied to the baccalaureate degree.

101, 102. History of Art 1, 11. 3 hr.; 3 cr :

each semester. A survey of the history of Western art, studied in historical sequence and in greater depth than in Art 1. Fall, Spring

110. Survey of Ancient Art. 3 hr.; 3 cr :

111. Survey of Medieval Art. 3 hr.; 3 cr :

112. Survey of Renaissance and Baroque Art. 3 hr.; 3 cr :

113. Survey of Modern Art. 3 hr.; 3 cr :

114. Survey of Non-Western Art. 3 hr.; 3 cr :

115. Principles of Architecture. 3 hr.; 3 cr :

200. Studies in the History of Art. 3 hr.; 3 cr :

Topic to be discussed changes each semester.
May be repeated for credit. Fall, Spring

201. Studies in the History of Architecture. 3 hr.; 3 cr :

Topic to be discussed changes each semester.
May be repeated for credit. Fall, Spring

203. Art and Archaeology of the Ancient Near East. 3 hr.; 3 cr :

204. Art of Ancient Egypt. 3 hr.; 3 cr :

205. Art of Early Greece. 3 hr.; 3 cr :

Fall

206. Art of Archaic, Classical, and Hellenistic Greece. 3 hr.; 3 cr :

Spring

207. Roman Art. 3 hr.; 3 cr :

211. Early Christian and Byzantine Art. 3 hr.; 3 cr :

212. Early Medieval Art in Western Europe. 3 hr.; 3 cr :
Fall

213. Gothic Art 3 hr.; 3 cr :
Spring

221. Art in Italy: The Fourteenth Century. 3 hr.; 3 cr :

222. Renaissance Art in Italy: The Fifteenth Century. 3 hr.; 3 cr :
Fall

223. Renaissance Art in Italy: The Sixteenth Century. 3 hr.; 3 cr :
Spring

225. Painting in Northern Europe: The Fifteenth Century. 3 hr.; 3 cr :
Fall

227. Baroque Art in Italy. 3 hr.; 3 cr :
Fall

228. Baroque Art in Northern Europe. 3 hr.; 3 cr :
Spring

230. Principles of City Planning. 3 hr.; 3 cr :

231. The Eighteenth Century in Europe. 3 hr.; 3 cr :

232. American Art. 3 hr.; 3 cr :
Fall, Spring

233. Modern Architecture. 3 hr.; 3 cr :

235. Modern Art 1: Nineteenth Century. 3 hr.; 3 cr :
Fall, Spring

236. Modern Art II: Twentieth Century. 3 hr.; 3 cr :
Fall, Spring

241. Art of India and Southeast Asia. 3 hr.; 3 cr :

242. Art of China and Japan. 3 hr.; 3 cr :

244. Latin American Art. 3 hr.; 3 cr :

245. African Art. 3 hr.; 3 cr :

250. History of Graphic Art. 3 hr.; 3 cr :

335. Late Modern Art. 3 hr.; 3 cr :

Prereq.: *Art* 235 and 236 are recommended preparation. Surveys of twentieth-century art tend to stress early modern issues. By contrast, this course focuses on the late modern period, beginning with late surrealist issues in Europe and Regionalist art in America. Spring

336. The History of Modern Sculpture. 3 hr.; 3 cr :

Prereq.: *Art* 235 and 236 are recommended preparation.

337. The History of Photography. 3 hr.; 3 cr :

Prereq.: Art 235 and 236 are recommended preparation.

338. museum Studies. 3 hr.; 3 cr :

Prereq.: At least one An History class beyond the survey level (An 200-250).

This course will acquaint students with museum work by providing supervised participation in the functioning of the Godwin-Tembach Museum. Students will engage in such museum activities as the preparation of exhibitions and care of the collection. Practical experience will be supplemented by lectures on the history of the art museum and the concerns of the contemporary museum world, and by behind-the-scene visits to other museums. A term paper on a particular object in the Museum's collection is required.

340. Senior Colloquium in the History.' of Art. 3 hr.; 3 cr :

Prereq.: Departmental approval. An introduction to the tools of art historical scholarship. Problems of organization of research, bibliography, iconography, and stylistic analysis. Survey of the history of art-historical concepts and their effect. Fall

342. Internship in Art History. 342.1-342.4-14 hr.; 14 cr.

Prereq.: 3.0 department average; a letter of acceptance detailing the research project from the program to which student is applying; permission of the art history adviser.

An independent course in which a student works for a semester as an intern in a museum or an agency dealing with works of art. The course permits the student to develop and undertake a special research project related to the internship under the supervision of a department adviser. Evaluation of the student will be based on report from supervisor on student's work and a written report on the project.

343. Special Problems. 6 hr.; 3 cr :

Prereq.: College average 2.75, department average 3.4. Open to a limited number of qualified students who want to do independent work in the history of art. Written application for permission to enroll, stating in detail the nature and scope of the proposed project, must be submitted to the department Chair at least one month prior to the date of registration. Fall, Spring

STUDIO ART**151. Drawing I. 4 hr.; 3 cr :**

Fall, Spring

152. Drawing II. 4 hr.; 3 cr :

Prereq.: Art 151. Fall, Spring

153. Two-Dimensional Design 1. 4 hr.; 3 cr :

Fall, Spring

161. Introduction to Painting. 4 hr.; 3 cr :

introduction to fundamental concepts of painting, both abstract and representational. Space and surface compositions from nature, volumetric representation showing the function of color, value scale, placement, and proportion. Fall, Spring

162. Color 1.4 hr.; 3 cr :

Fall, Spring

181. Modeling from Life. 4 hr.; 3 cr :

Sculpture based on forms in nature including the human figure. Work is done in clay or wax. Fall, Spring

182. Introduction to Sculpture. 4 hr.; 3 cr :

Introduction to sculptural concepts relating to both representational and abstract imagery. Consideration of form, space, and scale through the use of a variety of materials (clay, plaster, wood, etc.), with some investigation of historical precedents. Fall, Spring

183. Three-Dimensional Design. 4 hr.; 3 cr :

Investigation of form, space, and structure in three dimensions using a variety of materials, including paper, plaster, wood, metal, etc. Students are instructed in the use of hand tools and shop machinery. Fall, Spring

251. Graphic Representation I. 4 hr.; 2 cr :

Projection drawing. Fall, Spring

252. Graphic Representation II. 4 hr.; 2 cr :

Prereq. An 251. Projection drawing. Fall, Spring

253. Drawing 111.4 hr.; 2 cr :

Emphasis on the individual student's concerns and contemporary issues in drawing.

258. Illustration 1.4 hr.; 2 cr :

Prereq.: *Art* 151, 153 or permission of instructor.

The visual interpretation of words using drawing, painting, and collage with application to editorial illustration, artists' books, graphic design, and art direction.

260. Painting II: Composition. 4 hr.; 2 cr :

Prereq.: *Art* 161.

261. Watercolor I. 4 hr.; 2 cr :

Prereq.: *Art* 161. Fall, Spring

262. Watercolor 11.4 hr.; 2 cr :

Prereq.: An 261. Fall, Spring

263. Two-Dimensional Design 11. 4 hr.; 2 cr.

Prereq.: *Art* 153. Extension of the material of basic two-dimensional design to an examination of contemporary conceptions of two-dimensional organization in terms of painting and decorative design.

264. Painting 111.4 hr.; 2 cr :

Prereq.: *Art* 260. Fall, Spring

271. Woodcut. 4 hr.; 2 cr :

Prereq.: Group A courses. Fall, Spring

272. Intaglio. 4 hr.; 2 cr :

Prereq.: Group A courses. Fall, Spring

273. Lithography. 4 hr.; 2 cr :

Prereq.: Group A courses.

The development of original lithographs using a wide variety of drawing methods and printing techniques. Fall, Spring

275. Photography 1. 4 hr.; 2 cr :

Fall, Spring

276. Photography 11.4 hr.; 2 cr :

Prereq.: *Art* 275. Fall, Spring

277. Computer Imaging 1. 4 hr.: 2 cr.

Introduction to computer graphics using commercially available software. (No previous computer experience necessary.)

280. Procedures in Sculpture. '1 hr.: 2 cr.

Prereq.: *Art* 102, 151,181,183.

281. Ceramics I. 4 hr.; 2 cr :
Fall, Spring

282. Ceramics II. 4 hr.; 2 cr :
Prereq.: Art 281. Fall, Spring

283. Sculpture II. 4 hr.; 2 cr :
Prereq.: An 181, 182, 183.

More advanced projects and traditional and contemporary issues in sculpture, such as space definition, relation of sculpture to gravity, volume and weight, gesture, and imagery. Though a variety of materials are employed, there is an emphasis on the use of clay and plaster in the essential crafts of mold-making and casting.

284. Sculpture III. 4 hr.; 2 cr :

Prereq.: An 283. Sustained and individualized work by advanced students in a variety of materials and conceptual formats. The technical vocabulary is enlarged with instruction in such areas as welding, woodworking, and stone carving. Emphasis may vary with the interests of each instructor.

291. Calligraphy 1. 4 hr.: 2 cr.

Development of pen-drawn letter forms with particular emphasis on the italic hand and its derivatives. Fall, Spring

292. Calligraphy II. 4 hr.; 2 cr :

Prereq.: Art 291. Extension of lettering to a variety of exercises and applications of calligraphic writing. Refinement of the aesthetic character of handwritten texts. Fall, Spring

293. Graphic Design and Typography I. 4 hr.; 2 cr :

Introduction to use of word and image in advertising, communication design, packaging, book and magazine typography, and corporate identity. The study of printing types and their uses, copy fitting, type rendering, computer typography, and various printing processes such as offset lithography. Practice in layout, paste-up, and mechanical.

294. Graphic Design and Typography II. 4 hr.; 2 cr :

Prereq.: Art 293.

An extension of Art 293 with an emphasis on improved hand skills and on historical and contemporary practice in graphic design and its role in the development of a personal style. Further practice in the analysis and solution of design problems. Field trips to printers and relevant exhibitions.

295. Graphic Design and Typography III. 4 hr.; 2 cr :

Prereq.: Art 294.

An extension of Art 294, leading to the development of a graphic design portfolio, including advertisements, posters, displays, editorial design, lettering application, books, brochures, and design for video and film.

296. Advertising Design. 4 hr.; 2 cr :

Prereq.: An 153.,

297. Applied Design. 4 hr.; 2 cr :

Prereq.: Group A courses.,

298. Calligraphy 111. 4 hr.; 2 cr :

Prereq.: Art 292.

350. Studies in Comparative Analysis for Studio Majors. 3 hr.; 3 cr :

Prereq.: Group A courses, Art 101,102, and one art history elective. Discussions of selected topics in the history of art, cutting across historical sequences to compare fundamental strategies, structures, techniques, and their associated values. A language of description and analysis is developed through specific distinctions between individual works and across the range of the

topics. These include perception, conception, approaches to subject matter, spatial construction and articulation, color rendering, materials, and techniques.,

351. Advanced Drawing. 4 hr.; 2 cr :

Prereq.: Group A courses. Fall, Spring

352. Visual Imagery. 4 hr.; 2 cr :

Prereq.: Group A courses.,

353. Art of the Book. 4 hr.; 2 cr :

Prereq.: Group A courses and Pat 352.

Research study and practice of the hand bound book as an art form. Advanced work in interpretive and narrative drawing for artists interested in illustrating books for publication.,

355. Photography 111.4 hr.; 2 cr :

Prereq.: An 276.

358. Illustration II. 4 hr.; 2 cr :

Prereq.: Art 258.

359. Illustration III. 4 hr.; 2 cr :

Prereq.: Art 358.

360. Computer imaging II. 4 hr.; 2 cr :

Prereq.: Art 277.

361. Computer Imagining III. 4 hr.; 2 cr :

Prereq.: Art 360.

362. Color 11. 4 hr.; 2 cr :

Prereq.: Group A courses.,

363. Abstract Painting. 4 hr.; 2 cr :

Prereq.: Group A courses. Continuation of basic two-dimensional design into abstract easel and wall painting.,

364. Film-Making. 4 hr.; 2 cr :

(Not currently offered.)

365. Specialized Topics in Painting. 4 hr.; 2 cr.

Prereq.: Group A courses. Offered with a different topic each semester.

May be taken three times for credit.,

369. Ceramics 111. 4 hr.; 2 cr :

Prereq.: Art 282.

381. Sculpture in Plaster. 4 hr.; 2 cr :

Prereq.: Group A courses. Workshop in sculpture with emphasis on plaster as a casting, modeling, and constructing material. Fall, Spring

382. Sculpture in Metal. 4 hr.; 2 cr :

Prereq.: Group A courses.,

383. Sculpture in Wood. 4 hr.; 2 cr :

Prereq.: Group A courses.

384. Constructed Sculpture. 4 hr.; 2 cr :

Prereq.: Group A courses.,

385. Specialized Topics in Sculpture. 4 hr.; 2 cr.

Prereq.: Group A courses. Subject will change from semester to semester (when offered) according to the pedagogical needs felt by the department and the availability of faculty with specific interests. Subject and faculty will be announced before registration.,

386. New Forms. 4 hr.; 2 cr :

Prereq.: Group A courses. The exploration of values, concepts, and working methods in the visual arts, which abandon the traditional limits and characteristics of painting, sculpture, and printmaking, to enlarge both formal vocabulary and ways of communicating. The work of selected advanced artists will be discussed as a basis for individual and group projects.,

387. Special Workshops in Creative Art. 387.1-387.4-1-4 hr.; 1-4 cr.

Technical skills such as welding, woodworking, fresco, and the like are taught in a workshop as a foundation for subsequent aesthetic development.

390. Studies in Contemporary Art 2 hr.; 2 cr.

Prereq.: Permission of department. Colloquium: designed to develop critical awareness. May be repeated for credit provided the topic is different. Fall, Spring

391. Senior Project 1. 4 hr.; 2 cr :

Prereq.: Creative art major with senior standing or department approval. In addition to the studio project, students are required to submit a term paper and a group of drawings as determined through individual consultation. Fall, Spring

392. Senior Project II. 4 hr.; 2 cr :

Prereq.: Art 391, B.F.A. major with senior standing or department approval.

393. Special Problems. 6 hr.; 3 cr :

Prereq.: College average 2.75, department average 3.4. Open to a limited number of qualified students who want to do independent work in creative art. Written application for permission to enroll, stating in detail the nature and scope of the proposed project, must be submitted to the department Chair at least one month prior to the date of registration. Fall, Spring

Special Projects in Studio Art 4 hr.; 2 cr :

Prereq.: Completion of basic core (Group A) courses and permission of the instructor. Additional prerequisites for specific projects are listed below. Any title may be repeated for a maximum of six credits with permission of the department. Special Projects courses are designed for students who want more intensive work in any studio discipline, or to strengthen or advance their basic skills in:

- 254. Drawing
- 255. Design
- 256. Painting
- 257. Color
- 265. Two-Dimensional Composition (Prereq.: Art 260)
- 285. Three-Dimensional Composition (Prereq.: An 280)
- 288. Sculpture
- 354. Calligraphy (Prereq.: An 298)
- 357. Graphic Design and Typography (Prereq.: Art 293)

366. Watercolor Painting (Prereq.: Art 261) 367. Computer Imaging SP. 4 hr.; 2 cr :
(Prereq.: Art 361) May be retaken up to a maximum of 6 credits.

368. Illustration SP. 4 hr.; 2 cr :

(Prereq.: Art 358) May be retaken up to a maximum of 6 credits.

- 371. Woodcut (Prereq.: Art 271)
- 372. Intaglio (Prereq.: Art 272)
- 373. Lithography (Prereq.: Art 273)
- 375. Photography (Prereq.: Art 275)
- 379. Ceramics (Prereq.: Art 369)

Note that students whose professional objectives and interests indicate the desirability of enrolling for more than 42 credits in intermediate and advanced studio courses must obtain the approval of

the department. Students are cautioned not to register for studio projects at the expense of required courses.

BIOLOGY

Chair: Jared L. Rifkin

Assistant Chair for Evening Studies: Milton Nathanson

Deputy Chair for Undergraduate Studies: Robert Calhoon

Deputy Chair for Graduate Studies: Corinne Michels

Master's Program Adviser: Jeanne Szalay

Director of Laboratories & Chief CLT.: Robert Francis

Dept. Office: SB D346, 997-3400

Professors: Aaronson, Boylan, Chabora, Greller, Hecht, Kaplan, Marcus, Michels, Munding, Roze, Szalay, Wasserman;

Adjunct Professors: Bienkowski, Merluzzi;

Associate Professors: Alsop, Calhoon, Koepfer, Minutoli, Nathanson, Rifkin, Sperling

Professors: Bargonetti, Magazine, Zakeri;

Adjunct Assistant Professor: Bergman;

Adjunct Lecturers: Abramson, Doody, Singh, B., Smolin;

Graduate Assistants: Danzi, Durando, Hu, Jiang, Kim, King, Singh, H., Xu;

Laboratory Technicians: Ball, Fay, Giancone, Lawrence, Nelson, Peers;

Department Secretaries: Pisko, Riccio;

Professors Emeriti: Berech, Colwin, A., Colwin, L. Johanssen, Lancefield, Marien;

Associate Professor Emeritus: Pierce

The biology curriculum is designed to provide a broad background in the field. Students successfully completing the requirements for the biology major will be prepared for graduate studies, professional schools, teaching (provided they take the appropriate education courses), and for several fields of applied biology.

A student majoring in the study of life processes is provided with a foundation for a variety of professional options. Upon graduation, you may find employment in health, industrial, or university laboratories in a technical capacity. For a career in research in the governmental, private, or academic sector, you can continue with graduate studies. Such a career may be focused in the field as well as in a laboratory. For a health-related career, the biology major is the traditional route to professional schools of medicine, dentistry, optometry, etc. For teaching biology in the secondary schools, a program coordinated with the School of Education is offered. In addition, the biology major is valuable to those interested in consumer protection services, environmental law, forestry, conservation, scientific and medical illustration, or writing - to name a few. Government opportunities exist in the Departments of Agriculture, State, Interior, Commerce, Health and Human Services, and Treasury. These options include wildlife management, veterans' services, and customs inspection. The department also offers courses that explore many topics of biological interest to students of other natural sciences and nonscientific disciplines.

Advanced Standing

The Biology Department grants advanced standing credits as follows:

- A) Students with an AP5 (Advanced Placement Test) in biology or a 6 or 7 in I.B. (International Baccalaureate) biology will be granted eight credits. This is equivalent to Biology 101 and 102.
- B) Students with an AP4 in biology or a 5 in I.B. biology will be granted eight credits: three credits for Biology 9; or six credits for the lecture portions of Biology 101 and 102, and the remainder as blanket credits. This will satisfy the Physical & Biological Sciences, Group B, of LASAR. (Biology 104, the course equivalent to the laboratory-recitation portions of Biology 101 and 102, must be taken by students in this category to fulfill the major and minor requirement of a full year of introductory biology.)
- C) Students with an AP3 in biology or a 4 in I.B. biology will be granted four credits equivalent to Biology 11.

Nonmajor Courses

The department offers survey and topic oriented courses (designated as the 1-99 series) that have been designed for non majors and have no specific prerequisites. Most of these courses have recitation/ demonstration sections rather than formal laboratories.

The Major

Students who choose biology as a major must consult with an appropriate program adviser (the programs are listed below) early in their course of studies. Majors interested in attending medical, dental, podiatry, optometry, pharmaceutical, or veterinary school should consult with the department pre-professional career adviser, and those interested in teaching in secondary schools should consult with the department biology-education adviser.

Students must file a major concentration form with the department by the beginning of the sophomore year. This form is solely a listing of a proposed course of study that may be changed at any time in consultation with the adviser, and is a permit that allows the student to pre register for advanced courses in biology.

Students may not have a biology course with a grade below C- credited toward their department major requirements.

Course Requirements

1. All of the following requirements are subject to modification with the written approval of the department Chair. The following courses are generally required of all biology majors: Biology 101,102, or equivalent Chemistry 113 and 114 or equivalent, plus a year of advanced chemistry Physics 121 and 122, or equivalent Mathematics 111 and 112, or equivalent All biology majors must also complete a minimum of 28 credits above Biology 101 and 102. At least 24 of these credits must include courses with a laboratory from among the categories listed below. The remaining credits may also be satisfied by these courses as well as 381,382, 385, and 386. Biology 390, 391,395, or 396 may not be applied for fulfillment of the biology major.The particular pattern of courses is governed by the sequence chosen by the student:
 - I. (Physiology) 367, 370, 371,372, 373
 - II.(Cell biology) 201,250, 260 & 261,350 & 351,360, 362
 - III. (Orgasmic biology) 210, 212, 220, 225, 226, 265
 - IV. (Population and community biology) 230, 340, 341,342, 343, 345,346, 347, 354
 - V. (General advanced courses) 211,217, 221,312, 320, 326, 330, 361,363, 364, 366, 380
2. All transfer students must take at least 20 of the required 28 biology credits above Biology 101 and 102 at Queens College. At least 16 of these 20 credits must be in courses with a laboratory, in order to complete a major in biology.
3. Each of the following sequences offers students training in a broad area of biology. These sequences have sufficient flexibility to allow students to specialize in their own areas of interest under the guidance of a faculty adviser. Booklets describing each sequence in greater detail and giving fuller course descriptions, as well as model programs, are available from the department.

A. General Biology

This sequence is designed for the student wishing to obtain a broad overview of biology without specializing in any particular area. It helps the student prepare for graduate studies and entry into professional schools. The requirements are:

at least one course from each of the first four categories Chemistry 252 or the equivalent Course selection should be made in consultation with an adviser.

B. Cellular and Molecular Biology

This sequence is designed for the student particularly interested in the anatomy, biochemistry, development, genetics, and physiology of cells and microorganisms. It helps prepare the student for professional employment and graduate study in the areas of cellular, molecular, and microbial biology, and for entrance into various professional schools. The required courses include:

at least one course from category I (Biology 373 or 367 strongly suggested) at least three courses from category II, including Biology 250 at least one course from category III Chemistry 252 or the equivalent Course selection should be made in consultation with an adviser.

C. Organism Biology

This sequence is designed for the student particularly interested in the biology of the whole organism, including its anatomy, development, genetics, and physiology. It. helps prepare the student for professional employment and graduate studies in this area of biology and for entrance into various professional schools. The required courses include:

at least one course from category I at least two courses from category II (Biology 25,0 strongly suggested) at least two courses from category III Chemistry 252 or the equivalent Course selection should be made in consultation with an adviser.

D. Comparative, Field, and Environmental Biology

This sequence is designed for the student particularly interested in the various areas of comparative biology, including the biology, ethology, systematics, and evolution of populations, and in the relationships of organisms with their environment and the applied aspects of organismic biology. It helps prepare the student for various fields of government service, for other forms of professional employment and graduate studies in these areas, and for entrance into professional schools. The required courses include:

at least one course from category II (Biology 250 strongly suggested) at least two courses from category III at least two courses from category IV Chemistry 59 and 240 or the equivalent Physics 121 and 122, or Physics 121 and Geology 101 and 102, or Physics 121 and Geology 101 and 349

Students in this sequence are also strongly advised to take Biology 230, one year of physics, and one year of geology. Course selection should be made in consultation with a faculty adviser.

E. Biology for Prospective Secondary School Teachers

This sequence is designed for the student who wants to meet the requirements to teach biology in middle, junior high, and senior high schools. Any questions about the major should be referred to Professor J. Szalay in the Department of Biology. The student should also consult with the Department of Secondary Education to determine the education requirements for New York State certification. Required courses are:

Biology Major Core including: Biology 101,102, or equivalent Chemistry 113, 114, or equivalent *and* Chemistry 251 or equivalent Mathematics 111, 112, or equivalent Physics 121 and 122 or equivalent Biology 250, 260, 354, and 372* one of Biology 212 or 371 one of Biology 220, 222, 225, or 265 one of Biology 341,343, or 345 Geology 101 or 102 or equivalent

Biology majors who are pre-medical, pre-dental, pre-optometry, pre-podiatry, or pre-veterinary students

Adviser: D. Marten;

Secretary: C. Farley;

Office: SB-B338

It is recommended that pre-health professions students take several laboratory courses in biology and biochemistry. These courses should be completed before the beginning of the senior year.

Biology majors who wish to teach biology in secondary schools

Adviser: Jon Sperling

Students who want to meet requirements for a certificate to teach biology in middle, junior, or senior high schools, should follow sequence E of the biology major and consult with the Department of Secondary Education and Youth Services to determine the education requirements for New York State certification.

Evening Session

Assistant Chair Biology: M. Nathanson

Queens College provides able individuals with the opportunity to acquire a liberal arts education on either a part-time or full-time basis, day or evening.

The following groups of people are served by the Biology Department through evening offerings.

1. Students who are fully qualified for admission to a baccalaureate degree program but prefer to attend during evening hours.
2. Students who want to pursue planned programs of study for specific professional and vocational objectives on either a part-time or full-time basis.
3. Students interested in continuing their self-development through courses and programs in general education.
4. Students who wish to major in biology but can only attend during evening hours: the Biology Department will offer in the evening session, on a rotating basis, a sufficient number of advanced courses to permit completion of a major in biology within a six-year period.

*Prerequisite Chemistry 252 will be waived for students in this sequence.

If permission of the Chair is listed as a prerequisite, evening students should interpret this to mean permission of the Assistant Chair.

The Minor

Students who minor in biology must complete Biology 101 and 102 and at least 9 credits of advanced courses (200 level or above). At least two of the advanced courses must be laboratory courses. All of the advanced courses must be taken at Queens College.

Courses

Biology Course Numbering All courses offered by the Biology Department are numbered according to the following system:

- 1-99. Courses open to students in all disciplines, but not creditable to the major or minor in biology.
- 100-199. Introductory courses for majors and minors (freshman level).
- 200-299. Second-level courses for which the only biology prerequisite is one or more 100-level courses (sophomore level).
- 300-399. Third-level courses having either a 200-level biology or advanced level chemistry prerequisite (upper-class level).
In addition, the middle digit of all 200 and 300-level course numbers is used to denote the area of study of the course, as follows:
 - O-Microbiology
 - 1 -Botany
 - 2-Zoology
 - 3-Mathematical Biology
 - 4-Community and Ecosystem Biology
 - 5-Genetics and Evolution
 - 6-Cell and Developmental Biology
 - 7-Physiology
 - 8-Variable Content, Seminars, and Colloquia
 - 9-Undergraduate Research

NONMAJOR COURSES

8. Fundamentals of Biology. 2 lec., 2 lab. hr.; 3 cr :

A survey course in biology designed for students in Adult Collegiate Education (ACE) and the LEAP project. The areas of cell biology, heredity, development, physiology, ecology, and evolution are covered. Emphasis will be placed on human-related topics such as health, the environment, and current developments in biology. No previous knowledge of biology or chemistry is assumed. Not open to students who have taken Biology 11. MAT charge, \$25. Fall, Spring

9. Introductory Biology. 3 lec. hr.; 3 cr :

A general introduction to biology in the areas of cell biology, genetics, development, vertebrate physiology, ecology, and evolution. No previous knowledge of biology or chemistry assumed. Not open to students who have taken Biology 8, I 1, Chemistry 113, 114, or the equivalent, except with permission of the Chair.

11. Introduction to College Biology. 3 lec., 3 lab. hr.; 4 cr :

A general introduction to biology in the areas of cell biology, genetics, development, vertebrate physiology, ecology, and evolution. No previous knowledge of biology or chemistry assumed. For students in all areas, including physical education majors and prospective biology majors who have not had previous high school biology or chemistry courses. Not open to students who have taken Biology 8, 9, Chemistry 113, 114, or the equivalent, except with permission of the Chair. MAT charge, \$25.

12. Field Ecology of New York. 2 lec., 1 rec., 3 lab. hr.; 4 cr :

A course stressing field study, with emphasis on the identification and ecology of the life forms of New York State. Part of the outdoor study may be done at the Queens College Center for Environmental Teaching and Research at Caumsett. One overnight trip may be scheduled. For non-science majors. Not open to students who have taken Biology 101 or 102 or the equivalent. MAT charge, \$25.

20. Introduction 10 the Human Embryo. 3 lec. hr.; 3 cr :

Study of the development of the human embryo from conception *to birth*, with reference to human reproductive physiology and human genetics. May not be used to fulfill biology major or minor requirements.

21. Introduction to Human Genetics. 3 lec. hr.; 3 cr :

Heredity, with special emphasis on human genetics. For non-science majors. May not be used to fulfill biology major or minor requirements.

22. Introduction to Human Physiology. 3 lec. hr.; 3 cr :

How the human body works: support and movement, coordination and communication, digestion, excretion, and reproduction. For nonscience majors. May not be used to fulfill biology major or minor requirements.

23. Human Biological Origins. 3 lec. hr.; 3 cr :

Biology in the fourth dimension. A tour through time to examine our successively more remote ancestors and their relationships to other important groups such as birds and dinosaurs. Includes some trips to museums. For nonscience majors. May not be used to fulfill biology major requirements.

30. Ecology and Mankind. 3 lec., 1 fee./dem. 4 hr.; 4 cr :

The natural world and its response to the human influence. Field trips around campus, to local parks, and other areas. For non-science majors. May not be used to fulfill biology major or minor requirements. MAT charge, \$25.

31. The Plant World. 3 lec., 1 rec./demon. 4 hr.; 4 cr :

The relationship of plants to the environment and humanity. Topics considered will be: the nature of plants, plants and humans, plant life through the ages, classification of plants, plant communities, plant geography, and basic plant structure and function. Students will take trips to study plants in local natural areas, and two weekend trips to a museum and a botanical garden. May not be used to fulfill biology major or minor requirements. MAT charge, \$25.

40. Essentials of Mammalian Anatomy. 2 lec. 1 rec., 3 lab. hr.; 4 cr :

Prereq.: Biology 11 or permission of the Chair.

Functional and descriptive anatomy of the higher vertebrates. May not be used to fulfill biology major or minor requirements. Not open to students who have completed Biology 101 or 102, except by permission of the Chair. MAT charge, \$25.

41. Essentials of Human Physiology. 2 lec., 1 rec., 3 lab. hr.; 4 cr :

Prereq.: Biology 11 or 102; Chemistry 10 or 59 or the equivalent.

Functions of the human organism, emphasizing practical aspects. May not be used to fulfill biology major or minor requirements. MAT charge, \$25.

43. Anatomy and Physiology for Home Economics Majors. 2 lec., 1 rec. 3 lab. hr.; 4 cr :

Prereq.: Biology 11 or Biology 102 and one term of chemistry.

Functional anatomy and physiology of the human and other mammals. May not be used to fulfill biology major or minor requirements.

44. Food and Human Microbiology. 2 lec. 1 rec. 3 lab. hr.; 4 cr :

Prereq.: Biology 11 or 102; Chemistry 59 or the equivalent.

The student will be introduced to general microbiology. Emphasis will be placed on the microbiology of food and human disease and immunology. The laboratory will deal with the characteristics of microorganisms and their role in the preparation of food. May not be used to fulfill biology major or minor requirements. MAT charge, \$25.

50. Issues in Biomedical Ethics. 2 lec., 1 rec. hr.; 3 cr :

Prereq.: Open to both science and nonscience students, open to juniors and seniors only; a course in college biology, or written permission of the instructor.

A student seminar with exploration of such issues as death and dying, genetic engineering, human experimentation, behavior control, health-care delivery, patients' rights, and biomedical research

and war. Concepts from biology, philosophy, history, law, political science, and sociology will be evaluated as a means of broadening perceptions of bioethics in our complex society. May not be used to fulfill biology major or minor requirements.

51. Sociobiology. 3 lec. hr.; 3 cr :

Prereq.: Open only to juniors and seniors.

An evolutionary and ecological analysis of social behavior and communication in humans and animals. Nature and nurture from a modern scientific perspective. Examines the biological and social basis of behaviors such as altruism, male and female reproductive strategies, parenting, generation gaps, cultural patterns, and language. May not be used to fulfill biology major or minor requirements.

Note: English 95 or its equivalent is the minimum

corequisite for all courses (see pp. 38, 124). +-offered either Fall or Spring; see *Class Schedule* +-may be offered; see *Class Schedule*

52. The Biology of Cancer. 3 lec. hr.; 3 cr :

Prereq.: Biology 11 or permission of instructor. How normal cell function and division is controlled as compared to the metabolism and growth of cancer cells. Includes consideration of the factors causing or contributing to cancer formation (chemicals, viruses, radiation, diet, genetics), the classification of cancers, the rationale for and description of the different types of cancer therapy, and future directions for cancer research. May not be used to fulfill biology major or minor requirements.

INTRODUCTORY COURSES FOR THE MAJOR

101. General Biology: Life Forms and Ecosystems. 3 lec., 3 lab. hr.; 4 cr :

Prereq.: High school biology and/or chemistry assumed. Survey of the plant and animal kingdoms, and an introduction to ecology, heredity, and evolution. MAT charge, \$25.

102. General Biology: Physiology and Cell Biology. 3 lec., 3 lab. hr.; 4 cr :

Prereq.: High school biology and/or chemistry assumed. Principles of cell biology, physiology, development, and genetics. MAT charge, \$25.

104. General Biology Laboratories. 6 lab. hr.; 2 cr.

Prereq.: Advanced placement standing and permission of the Chair. The laboratory portion of Biology 101 and 102. MAT charge, \$50.

200-LEVEL MAJOR COURSES

Microbiology

201. General Microbiology. 2 lec. 1 rec., 3 lab. hr.; 4 cr :

Prereq.: Biology 101 and 102, or 104; Chemistry 114 or the equivalent. Significance, structure, metabolism, and functions of microorganisms: the basic bacteriological techniques of culture, isolation, and identification. MAT charge, \$25.

Botany

210. Lower Plants. 2 lec., 1 rec., 3 lab. hr.; 4 cr :

Prereq.: Biology 101 or 104.

Introduction to the biology of the algae, fungi, and bryophytes of the northeastern United States. Laboratory includes several field trips. MAT charge, \$50.

211. Fungi. 2 lec., 1 rec., 3 lab. hr.; 4 cr :

Prereq.: Biology 101 and 102, or 104; Chemistry 114 or the equivalent.

Survey of the major taxa of fungi, including the slime molds, with emphasis on their morphology, physiology, and taxonomy. The importance of fungi as causal agents in diseases of humans, other animals, and plants, and as experimental tools in genetic, biochemical, and physiological research will be considered. Basic techniques of culturing fungi are used in the execution of individual projects. MAT charge, \$50.

212. Higher Plants. 2 lec., 1 rec., 3 lab. hr.; 4 cr.

Prereq.: Biology 101 or 104.

Origin of form and function of the vascular plants. Description and classification of the major groups. Laboratory includes several field trips. MAT charge, \$50.

217. Field Botany. 2 lee., 1 rec., 3 lab. hr.; 4 cr :

Prereq.: Biology 101. Identification of local plants of forest, field, marsh, and dune. Lectures will emphasize taxonomic characteristics useful in identification of major plant groups, with strong emphasis on the flowering plants. Laboratories will be devoted to techniques of identification. Students will submit a plant collection. Field trips will be half or whole day. Students should expect to reside at the Queens College Center for Environmental Teaching and Research, Caumsett State Park, Lloyd Neck, Long Island, for the second and third weeks of the course (dormitory fees will be announced and collected at time of registration). Summer Session only. MAT charge, \$50.

Zoology

220. Invertebrate Zoology. 2 lee., 1 rec., 3 lab. hr.; 4 cr :

Prereq.: Biology 101 or 104. Evolution, classification, anatomy, and physiology of the invertebrates. Laboratory includes dissection of representative forms and a weekday or weekend field trip. MAT charge, \$50.

221. Entomology. 2 lee., 1 rec., 3 lab. hr.; 4 cr :

Prereq.: Biology 101 or 104. Anatomy, physiology, classification, and ecology of the terrestrial mandibulate arthropods, with special emphasis on the insects. Laboratory includes field trips and may require an insect collection. Students should expect to reside at the Queens College Center for Environmental Teaching and Research, Caumsett State Park, Lloyd Neck, Long Island, for at least one week of the course (dormitory fees will be announced and collected at time of registration). Summer Session only. MAT charge, \$50.

225. Vertebrate Natural History. 2 lec., 1 fee. 3 lab. hr.; 4 cr :

Prereq.: Biology 101 or 104. The natural history, classification, and autecology of the vertebrates. Field studies of the local fauna. Usually offered in the Spring or Summer. Overnight field trips in Spring and a 6-day field trip in Summer. MAT charge, \$50.

226. Comparative Vertebrate Anatomy. 2 lec., 1 rec., 3 lab. hr.; 4 cr :

Prereq.: Biology 101 and 102, or 104. Functional and phylogenetic morphology of the vertebrates. Laboratory includes dissection of representative forms. MAT charge, \$25.

Mathematical Biology

230. Introductory Biometrics. 2 lee., 1 rec., 3 lab. hr.; 4 cr :

Prereq.: Biology 101, or 102, or 104. Not open to students who have successfully completed any one of the following courses (or their equivalents): Biology 330; Economics 249; Health and Physical Education 165; Mathematics 14, 241; Psychology 107; Sociology 205, 306. Probability models, statistical inference, design of experiments, and critical analysis of statistical applications in biology.

Genetics and Evolution

250. Genetics. 2 lee., 1 inc., 3 lab. hr.; 4 cr :

Prereq.: Biology 101 and 102, or 104; Chemistry 114 or the equivalent.

An introduction to the fundamental mechanisms of heredity, including the structure and function of genetic material, and the modes of its transmission through the generations. MAT charge, \$25.

Cell and Developmental Biology

260. Cell Biology. 2 lee. hr.; 2 cr :

Prereq.: Biology 102 or 104; Chemistry 114 or the equivalent. An introduction to the function of cells and cellular organelles, the cell cycle, mitosis and meiosis, transcription and translation of genetic materials, cellular motility, and membrane transport.

261. Cell Biology Laboratory. 1 rec., 3 lab. hr.; 2 cr :

Prereq. or coreq.: Biology 260. Examination of the many different types of cells and their cellular components, and an introduction to methodologies and techniques employed in cell studies. MAT charge, \$25.

265. Developmental Embryology. 2 lec., 1 rec., 3 lab. hr.; 4 cr :

Prereq. Biology 101 and 102, or 104. Gametogenesis, fertilization, and embryonic development through organogenesis. Mechanisms of cell differentiation and morphogenesis as revealed by techniques of experimental embryology.

300-LEVEL MAJOR COURSES***Microbiology***

see 342 (Microbial Ecology) and 370 (Microbial Physiology)

Botany**312. Plant Taxonomy. 2 lec., 1 rec., 3 lab. hr.; 4 cr :**

Prereq.: Biology 212. Phylogeny, classification, and systematics of the vascular plants. Laboratory includes field trips and preparation of a plant collection. MAT charge, \$50.

also see 343 (Plant Ecology), 371 (Plant Physiology), and 380 (Field Biology)

Zoology**320. Parasitology. 2 lec., 1 rec. 3 lab hr.; 4 cr :**

Prereq.: Biology 220; Chemistry 114 or the equivalent, or permission of the instructor. Ecology, distribution, pathology, and control of the parasites of humans and other selected animals.

Particular emphasis on the evolution of host-parasite relationships, and on the approaches to solving the basic problems of animal parasitism. MAT charge, \$25.

326. Vertebrate Phylogeny. 2 lec., 1 rec., 3 lab. hr.; 4 cr :

Prereq.: Biology 226. Phylogeny and interrelationships of the important major groups of the phylum Chordata, emphasizing the origins of higher categories and their adaptive radiation into subgroups. Laboratory on representatives of fishes, amphibians, reptiles, birds, and mammals, emphasizing differences in locomotion, feeding mechanisms, and sense organs.

also see 345 (Animal Behavior), 360 and 361 (Vertebrate Histology), 265 (Developmental Embryology), 372 (Animal Physiology), and 380 (Field Biology)

Mathematical Biology**330. Advanced Biometrics. 2 lec., 1 rec., 3 lab. hr.; 4 cr :**

Prereq.: Biology 101 and 102, or 104, and 230 or an equivalent introductory course in statistics (Economics 249; Health and Physical Education 165; Mathematics 14, 241; Psychology 107; Sociology 205,306) or permission of instructor. Statistical analysis of biological data, including analysis of variance, multiple regression, and an introduction to multivariate analysis. Use of computer statistical packages.

Community and Ecosystem Biology**340. General Ecology. 2 lec., 1 rec., 3 lab. hr.; 4 cr.**

Prereq.: Biology 101 and 102, or 104, and two 200- or 300-level courses in biology.

Theory and analysis of structure, growth, regulation, and dynamic interactions within and between populations. Composition of biological communities in terms of their structure, species abundance and diversity, interspecific interactions, and integration with the physical environment. MAT charge, \$50.

342. Microbial Ecology.. 2 lec. 1 rec., 3 lab. hr.; 4 cr :

Prereq.: Biology 101 and 102, or 104; Chemistry 251.

An introduction to the variety of microorganisms (bacteria, algae, fungi, and protozoa) found in nature, and their interactions with each other and their environment, including contemporary microbial problems of petroleum, industrial herbicide, insecticide, waste, thermal, and sewage pollution. The laboratory will include the enrichment, isolation, and identification of specific microorganisms. MAT charge, \$25.

343. Plant Ecology. 2 lec., 1 rec., 3 lab. hr.; 4 cr :

Prereq.: Biology 212; Geology 101 or 102 strongly recommended.

Classification, distribution, structure, dynamics, and climatology of plant communities. Emphasis on the vegetal assemblages of North America. Laboratory includes weekday and some weekend field trips to natural areas, botanical gardens, and museums. MAT charge, \$50.

345. Animal Behavior. 2 lec., 4 lab. hr.; 4 cr :

Prereq.: Biology 101 and 102, or 104, and a 200 level course in biology, with Biology 250 strongly recommended. Study of animal behavior. Topics include the description, evolution, development, physiological basis, and ecological significance of behavior. MAT charge, \$50.

346. Limnology. 2 lec., 1 rec., 3 lab. hr.; 4 cr :

Prereq.: Biology 101 and 102, or 104, and two 200- or 300-level courses in biology, preferably from among 21 O, 220, and 226; Chemistry 114 or the equivalent.

Survey of the physical, chemical, and biological properties and features of streams, rivers, and lakes. MAT charge, \$50.

347. Marine Biology. 2 lec. 1 rec., 3 lab. hr.; 4 cr.

Prereq.: Biology 210 and/or 220. Study of marine organisms and biological oceanography. Short trips scheduled on oceanographic research vessels. Usually offered in Summer. MAT charge, \$50. see also 380 (Field Biology)

Genetics and Evolution**350. Molecular Genetics. 3 lec., 1 rec. hr.; 4 cr :**

Prereq.: chemistry 251 and Biology 260. Chemistry majors may substitute Chemistry 375 in lieu of Biology 260. Molecular basis of heredity. Topics include the structure of DNA and RNA, transcription, translation, mechanisms of recombination and mutation, regulation, and transmission genetics of viruses, prokaryotes, and eukaryotes.

351. Molecular Genetics Laboratory. 1 rec., 3 lab. hr.; 2 cr :

Prereq. or coreq.: Biology 350. MAT charge, \$25.

354. Evolution. 2 lec., 1 rec., 3 lab. hr.; 4 cr :

Prereq.: Biology 250. Study of the mechanisms and processes by which groups of organisms change through time. MAT charge, \$25.

Cell and Developmental Biology**360. Vertebrate Histology.. 2 lec., 1 rec., 3 lab. hr.; 4 cr :**

Prereq.: Biology 102 and 260. Microscopic structure and ultra structure of vertebrate tissue and organ systems. Laboratory emphasizes identification and analysis of commercially prepared slides of vertebrate tissue.

361. Vertebrate Histology and Microtechniques. 2 lec. 1 rec. 3 lab. hr.; 4 cr :

Prereq.: Biology 102 and 260. Microscopic structure and ultrastructure of vertebrate tissue and organ systems. The laboratory emphasizes identification and methods of preparation of vertebrate tissue for light microscopy with an introduction to histochemical methods. MAT charge, \$25.

362. Cytology. 2 lec., 1 rec., 3 lab. hr.; 4 cr :

Prereq.: Biology 260; prereq. or coreq.: Chemistry 252 or the equivalent.

Fine structure of the cell membrane and cellular organelles. The laboratory includes student research projects and a variety of cytological techniques, including cytochemistry, cell fractionation, light and electron microscopy. MAT charge, \$25.

364. Theory and Biological Application of Electron Microscopy.

2 lec., 1 rec., 3 lab. hr.; 4 cr :

Prereq.: Biology 361. Principles and practice of electron microscope operation and preparation of tissues for fine structure studies. MAT charge, \$50.

366. Control Mechanisms of Development. 2 lec. hr.; 2 cr :

Prereq.: Biology 101 and 102, or 104, and 260; prereq. or coreq.: Chemistry 252 or the equivalent. Consideration of the mechanisms by which development is integrated and regulated at the molecular and cellular levels.

367. Cellular Metabolism. 2 lec. 1 rec. 3 lab. hr.; 4 cr :

Prereq.: Biology 101 and 102, or 104, and 260; Chemistry 252 or the equivalent. The nature of cell constituents as related to the various functional activities of cells. MAT charge, \$25.

*Physiology***370. Microbial Physiology. 2 lec., 1 rec. 3 lab. hr.; 4 cr :**

Prereq.: Biology 201 and Chemistry 252 or the equivalent.

Physiology, nutrition, and metabolism of microorganisms. Modern techniques and instruments are used in the laboratory.

371. Plant Physiology. 2 lec., 1 rec., 3 lab. hr.; 4 cr :

Prereq.: Biology 101 and 260; Chemistry 252 or the equivalent.

Anatomy, physiology, molecular biology, and development of plants. MAT charge, \$25.

372. Animal Physiology. 2 lec., 1 rec., 3 lab. hr.; 4 cr :

Prereq.: Biology 101 and 102, or 104; Chemistry 252 or the equivalent.

Functioning of the major organ systems of animals, with special emphasis on the vertebrates. MAT charge, \$25.

373. Cell Physiology. 2 lec., 1 rec., 3 lab. hr.; 4 cr :

Prereq.: Biology 260; Chemistry 252 or the equivalent. Functional activities of cells: membrane function, internal transport, irritability, specialized cells. MAT charge, \$25.

**VARIABLE CONTENT,
SEMINARS. AND COLLOQUIA****380. Field Biology Studies. 380.3-9 hr.; 3 cr.; 380.4-12 hr.; 4 cr.; 380.5-15 hr.; 5 cr.;
380.6 - 18 hr.; 6 cr :**

Prereq.: Variable prerequisites and requires permission of the instructor(s). A variable content course encompassing field studies in the areas of botany, ecology, entomology, invertebrate and vertebrate zoology, and limnology. Usually offered Summers only, with the 3-6 credits depending on the subjects included and the time involved. The focus of the course is the comparative study of habitats and their components. Format and destinations are variable and costs reflect the mode of travel, destination, and type of accommodations.

381,382. Colloquium in Biology. 2 hr.; 2 cr :

each sem. Prereq.: one 300-level Biology course or completion of English 120 and either Biology 250 or Biology 260.

385. Special Topics in Physiology, Cell, and Developmental Biology.**385.1-385.4-1-4 hr.; 1-4 cr.**

Prereq.: Upper junior or senior standing and at least two courses from the -0-, -5-, -6-, and -7-series in biology numbered 200 or above.

One area of current interest will be studied in depth each semester. Course may be repeated for credit when the subject changes.

386. Special Topics in Ecology and Evolutionary Biology. 386.1-386.4-1-4 hr.; 14 cr.

Prereq.: Upper junior or senior standing and at least two courses from the -1-, -2-, 4-, or -5- series in biology numbered 200 or above. One area of current interest will be studied in depth each semester. Course may be repeated for credit when the subject changes.

UNDERGRADUATE RESEARCH**390, 391. Research in Biology. 390.1-3 hr. a week; 1 cr :**

each semester; 390.2- hr. a week; 2 cr :

each semester; 390.3-9 hr. a week; 3 cr :

each semester; 391.1-13 hr. a week; 1 cr :

each semester; 391.2-6 hr. a week; 2 cr :

each semester; 391.3-9 hr. a week; 3 cr :

each semester. Prereq.: Two or more courses in biology numbered 200 or above and written permission of a faculty sponsor. Biology majors of exceptional ability may arrange to do research under supervision of a member of the staff.

395, 396. Honors Research in Biology. 395.1-3 hr. a week; 1 cr :

each semester; 395.2-6 hr. a week; 2 cr :

each semester; 395.3-9 hr. a week; 3 cr :

each semester; 396.13 hr. a week; 1 cr :

each semester; 396.2-6 hr. a week; 2 cr :

each semester; 396.3-9 hr. a week; 3 cr :

each semester. Prereq.: Biology 390 and senior standing, and written permission of a faculty sponsor. Biology majors of exceptional ability may arrange to do honors research under the supervision of a member of the staff. Upon completion of the research, a thesis must be submitted and approved by the faculty sponsor.

The following graduate courses are open to qualified undergraduates with written permission of the Department Chair.

501. Recent Advances in Biology. 2 lec. 2 lab.-demo. hr.; 3 cr :

Prereq.: One year of general biology. Open only to Master of Science in Education candidates who are concentrating in science education. Selected topics in the life sciences. Not open to candidates for the Master of Arts degree in biology.

510. Selected Topics. 2-4 hr.; 2-4 cr.

Prereq.: One year of general biology. Open only to Master of Science in Education candidates who are concentrating in science education. Lectures in a selected area of biology, concentrating on current concepts. May be taken for credit more than once provided topic changes. Not open to candidates for the Master of Arts degree in Biology.

610. Lower Plants. 2 lec., 1 rec., 3 lab. hr.; 4 cr :

A survey of algae, bryophytes, and fungi of the northeastern United States, with an emphasis on identification, morphology, physiology, and ecology. A library or field research paper is required.

614. Mycology. 2 lec., 1 rec., 3 lab. hr.; 4 cr :

Prereq.: One semester of genetics and permission of instructor.

A survey of the major taxa of fungi, including slime molds, with emphasis on their morphology and taxonomy. The importance of fungi as causal agents in diseases of man, other animals, and plants, as experimental tools of genetic, biochemical, and physiological research will be considered. Basic techniques of culturing fungi will be utilized in the execution of individual projects. MAT charge, \$25.,

617. Field Botany. 2 lec., 1 rec., 3 lab. hr.; 4 cr :

Prereq.: A course in plant biology or its equivalent.

The biology and ecology of the local flora. Course taught in Summer Session only.

621. Entomology. 2 lec. 1 rec., 3 lab. hr.; 4 cr :

Prereq.: Course in invertebrate zoology. Anatomy, physiology, and ecology of insects. Identified insect collection required of each student. Students should expect to reside at the Queens College Center for Environmental Teaching and Research, Caumsett State Park, Lloyd Neck, Long Island, for at least one week of the course (dormitory fees will be announced and collected at time of registration). Summer Session only.

626. Vertebrate Phylogeny. 2 lec., 1 rec., 3 lab. hr.; 4 cr :

Prereq.: A course in comparative anatomy.

Phylogeny and interrelationships of the important major groups of the phylum Chordata, emphasizing the origins of higher categories and their adaptive radiation into sub-groups. Laboratory on representatives of fishes, amphibians, reptiles, birds, and mammals, emphasizing differences in locomotion, feeding mechanisms, and sense organs found within the same sub-classes, infra-classes, super-orders, and orders, with practice in the identification of typical specimens likely to be found in the field.

630. Biometrics. 2 lec., 1 rec., 3 lab. hr.; 4 cr :

Prereq.: Course in genetics and calculus. Probabilistic models in biology, field, and laboratory sampling, tests of hypotheses; uses of statistics for estimation. Topics selected will include growth processes of organisms and populations, discriminate functions, and genetic descriptions of evolving populations. Laboratory includes computational procedures in evaluating biological data.

680. Field Biology Studies.

Prereq.: Variable prerequisites and permission of the instructor(s).

A variable content course encompassing field studies in the areas of botany, ecology, entomology, invertebrate and vertebrate zoology, and limnology. Usually offered Summers only, with the 3-6 credits depending on the subjects included and the time involved. The focus of the course is the comparative study of habitats and their components. Format and destinations are variable and costs reflect the mode of travel, destination, and type of accommodations. A term paper is required.

680.3-9 hr.; 3 cr :

680.4-12 hr.; 4 cr :

680.5-15 hr.; 5 cr :

680.618 hr.; 6 cr :

682. Environmental Biology and the Law. 3 lee. hr.; 1 proj. prep. hr.; 4 cr :

Prereq.: Experience in environmental field studies and permission of the instructor.

An analysis of federal and state statutes and regulations in relation to environmental biology. Cases of major import are studied and analyzed. Students are expected to develop an understanding of applicable law, both statutory and common law, as it affects such areas as land-use control, protection of wetlands, endangered species, water and air pollution. Students are required to do a project paper evaluating environmental impact statements in terms of the various statutes and regulations.

685. Special Topics. 3 hr.; 3 cr :

Special topics in various areas of cellular, developmental, environmental, or evolutionary biology to be taken by arrangement with the instructor and graduate adviser. No more than 3 credits of Special Topics will be credited toward the Master's degree. This course is designed primarily for students entering the M.A. program, particularly from other institutions, and must be taken during the first year of graduate study.

BUSINESS AND LIBERAL ARTS (BALA)

Director. ' Elaine Maimon

Co-Director: Barbara Sandlet

Advisory Committee. ' Adelberg, Erickson, Prall, Sandlet, Speidel

Secretary. ' Evelyn Hurr

Office. ' Kissena 315,520-7762

Business and Liberal Arts is a rigorous, interdisciplinary minor for the liberal arts major. Conceived and planned in response to the results of a corporate survey undertaken by the Queens College Corporate Advisory Board in 1986, BALA is designed to help students build bridges between the liberal arts and business. Study of the liberal arts and performance in the corporate world both depend on the ability to communicate in person and on paper, to analyze and solve problems, and to share ideas with colleagues. BALA makes explicit those capacities long associated implicitly with a liberal arts education. Consistent with the tradition of the liberal arts, BALA marries the study of the arts and sciences with carefully selected exposure to basic business disciplines.

The Minor

The BALA minor consists of eight required three-credit courses totaling 24 credits, which may be taken in conjunction with any major, except education.

Eligibility Requirements

Only a limited number of students can be admitted to the program each semester, since we must work within existing faculty resources while maintaining our commitment to small class size. Entrance is competitive and selective. Students will be selected for the program based on grade point average, an essay, and an interview with the Director or Co-Director. However, students should be aware that completion of the minor will normally take at least six semesters because of the structure of the program. In conjunction with the Faculty Advisory Committee, the Director shall make the decision on whether a student is admitted.

Retention Requirement

Retention in the BALA minor requires maintenance of a 3.0 overall GPA, and a 3.3 GPA in the required BALA courses.

Curriculum

Of the eight required courses, four provide an interdisciplinary, conceptual context for linking business and the liberal arts (Introductory Seminar, Law and Ethics of Business, Analytical Problem Solving and Decision Making, The Uses of Reason); four make explicit how fundamental skills within the liberal arts are applicable to business (Oral Communication in the Workplace, Computers with Business Applications, Financial and Managerial Accounting, Essay Writing for Special Fields).

Courses

BALA 100. Introductory Seminar in Business and Liberal Arts. 3 hr.; 3 cr :

Prereq.: Permission of the Director.

Topics will vary from seminar to seminar according to the interests of the instructor. Assignments will include short papers and oral presentations related to the seminar topic. (This course is limited to students enrolled in the BALA minor.)

BALA 302. Law and Ethics of Business.3 hr.; 3 cr :

Prereq.: BALA 100 and junior or senior standing.

An examination of legal issues concerning rights, liabilities, and obligations in corporate life, as well as the ethical obligations of businesses. Included will be analyses of selected law cases illustrative of the ethical as well as legal problems arising for both domestic and transitional corporations. (This course is limited to students enrolled in the BALA minor.)

BALA 303. Analytical Problem Solving and Decision Making in Business. 3 hr.; 3 cr :

Prereq.: Computer Science 18, Accounting 100, and Philosophy 103.

An introduction to problem solving in business utilizing selected case histories. Emphasis will be placed on the importance of using a broad base of general knowledge and a wide variety of approaches and techniques to decision making. (This course is limited to students enrolled in the BALA minor.)

BALA 391. Business Internship. 120 hr. work experience, plus 8 hr. of conference per semester; 3 cr :

Prereq.: Satisfactory completion of five BALA courses or permission of BALA Director. Participation required in Career Development Center's workshops in resume preparation and job interview skills. Participation in the internship is contingent upon a successful interview at the sponsoring organization. This internship occurs in a business setting. Interns are expected to perform managerial tasks with emphasis on writing, speaking, computing, and critical thinking. Other required courses for the minor besides BALA 100, 302, and 303 include:

Accounting 100. Financial and Managerial Accounting

Communication Arts and Sciences 165.

Oral Communication in the Workplace Computer Science 18.

Computers with Business Applications

English 201. Essay Writing for Special

Fields: Writing for Business

Philosophy 103. The Uses of Reason

BALA is not a business administration minor, but rather a liberal arts program dedicated to building a bridge between business and the university.

All guidelines regarding Queens College requirements and LASAR apply to the BALA minor, but no BALA course or section given specifically for BALA students, including Computer Science 18, fulfills any LASAR requirement.

BYZANTINE AND MODERN GREEK STUDIES

Director: Harry J. Psomiades

Program Coordinator: Effie Lekas

Advisory Committee: Bird, Frangakis-Syrett, Lewine, Manicas, Picken, Schneider

Office: Jefferson 301,997-4520

The program offers a structured body of courses, drawn from the Division of the Arts and the Division of the Social Sciences, leading to a major in Byzantine and Modern Greek Studies. It is designed to provide a detailed knowledge of the history, language and literature, institutions, customs, and culture of the Greek people from Byzantine times to the present. The program offerings are divided into the following categories:

- A) Byzantine Studies,
- B) Modern Greek Studies,
- C) Modern Greek Literature and Culture,
- D) Greek American Studies.

Byzantine and Modern Greek Studies should be of special interest to those students who have either a cultural or professional interest in the Greek experience, and to those seeking to understand a culture and civilization other than their own. Because the program draws from several disciplines, it provides insights into the unity of knowledge and is an excellent choice as a second major. It provides the background for graduate work in Byzantine and/or Modern Greek Studies and may lead to careers in education, community organization and development, social work, business, journalism, and international affairs.

The Major

Requirements for the major are as follows:

1. A minimum of 36 credits in Byzantine and Modern Greek Studies, including GRST 100; one of the following courses: GRST 101 or 102; two courses each from three of the four categories listed under intermediate courses; and a seminar, for a total of 27 credits.* The introductory courses in each category are, on principle, a prerequisite for the intermediate courses, tutorials, and seminars in each category. Exemptions from this rule may be given by the Director with concurrence of the instructor. Tutorials, colloquia, and seminars not listed in the program but in which the student demonstrates a significant research effort on a Byzantine or Greek theme may, with the approval of the Director, fulfill the research requirement or be offered as an elective.
2. In addition, majors are required to take four semesters of Modern Greek or pass a proficiency: examination in Modern Greek equivalent to the intermediate level. Students who plan to concentrate in Byzantine Studies may offer four semesters of Ancient Greek or its equivalent. Up to 3 credits of Ancient or Modern Greek through the intermediate level may be used toward the 36-credit requirement for the major.

Transfer students must take a minimum of 18 credits in the program regardless of the number of credits earned at another institution in Byzantine and Modern Greek Studies. Students with two majors, including Byzantine and Modern Greek Studies, may not cross-list more than 12 credits toward the 36-credit requirement. Majors are encouraged to confer with the Director of the program at all stages of their studies. A concentration form should be filed with the program during the junior year. Students are advised to consult the program's *Student Handbook* for a detailed description of courses offered each semester.

The Minor

Requirements for the minor are:

1. A minimum of 18 credits in Byzantine and Modern Greek Studies, including GRST 100; one of the following courses: GRST 101 or 102; out of the four categories listed, two courses from one and one course from another, for a total of 15 credits.
*If category D is chosen, one of the courses must be a general course on ethnicity.
2. In addition, students are required to take four semesters of Modern Greek or pass a proficiency examination in Modern Greek, equivalent to the intermediate level. Students who plan to concentrate in Byzantine Studies may offer four semesters of Ancient Greek or its equivalent. Up to 3 credits of Ancient or Modern Greek through the intermediate

level may be used toward the 18-credit requirement for the minor. Elementary and Early Childhood Education majors may use Byzantine and Modern Greek Studies to meet the department's requirement for a minor (24 credits) in another field. A detailed description of this special minor is available at the program office.

Course Sequence

Introductory

The courses listed below are introductions to the major categories of Byzantine and Modern Greek Studies. Students are advised to complete these courses by the end of their sophomore year.

GRST 100. Modern Greek Culture and Civilization

GRST 101. Byzantine Culture and Civilization

GRST 102. The Greek-American Community

Intermediate

A. *Byzantine Studies*

Art 211. Early Christian and Byzantine Art

History 209. The Byzantine Empire, 324-1025

History 210. The Byzantine Empire, 1025-1453

B. *Modern Greek Studies*

Economics 221.

The Economy of Greece History 239.

History of Southeastern Europe, 1354-1804

History 240.

History of Southeastern Europe, 1804 to the Present

History 241.

Modern Greek History, 1821-1923

History 242.

Modern Greek History, 1923 to the Present

Political Science 241.

The Formation of the Modern Greek State Political Science 260.

The Middle East in World Politics Political Science 269.

Colloquium in International Politics (when subject is Greece and/or Cyprus)

C. *Modern Greek Literature and Culture*

Anthropology 209. Peoples of Europe (when subject is Greece and/or Cyprus)

GRST 200. Greek Cinema

Greek 305.

Modern Greek Literature I Greek 306..

Modern Greek Literature II Greek 150

Modern Greek Literature in Translation

D. *Greek-American Studies*

GRST 201. Colloquium on the Greek-American Community

ETST 310. Six Major Ethnic Groups of New York City

Urban Studies 202. Racial and Ethnic Minorities in Urban America

Seminars

GRST 300. Seminar on the Greek-American Community

GRST 301. Seminar in Byzantine and Modern Greek Studies

Greek 321. Survey of Modern Greek Literature I

Greek 322. Survey of Modern Greek Literature II

Greek 323. Survey of Modern Greek Literature III

History 394. Seminar in History (when the topic is on Byzantine, Balkan, or Modern Greek History)

Political Science 384. Seminar in International Politics (when the topic is on Greece and/or Cyprus, or when listed as the Middle East in World Politics)

Additional Electives

Greek 204. Intermediate Modern Greek II

Greek 211. Modern Greek Conversation

Greek 315. Writing about Literature: Theory and Practice

Greek 330. Early Modern Greek Literature: Fourteenth to Seventeenth Century
Greek 335. Modern Greek Poets
Classics 120. Greek Civilization
GRST 202. Selected Topics in Byzantine and Modern Greek Studies
GRST 390. Tutorial (on Byzantine and Modern Greek subjects)

Courses

GRST 100. Modern Greek Culture and Civilization. 3 hr.; 3 cr :

From the fall of Constantinople (1453) to the present, a survey of the political, intellectual, and social currents of Greek life.

GRST 101. Byzantine Culture and Civilization. 3 hr.; 3 cr :

A survey of the political, religious, intellectual, and social currents of Byzantine life.

Note: English 95 or its equivalent is the minimum corequisite for all courses (see pp. 38, 124). t-offered *either* Fall or Spring; see *Class Schedule* ++-may be offered; see *Class Schedule*

GRST 102. The Greek-American Community. 3 hr.; 3 cr :

An interdisciplinary study of the Greek experience in America, drawing upon works of history, sociology, and literature. The internal structures of Greek communities; the family, religion, culture, education, and the economic order; their participation in the decision-making process and their relation to the ideology of the "melting pot" and the rise of "neoethnicity."

GRST 200. Greek Cinema. 4 hr.; 3 cr :

Prereq.: GRST 100 or permission of the instructor.

This course examines a major aspect of the development of the Greek cinema as an expression of the formation of Greek culture in the twentieth century. The films screened change annually. In addition to the Greek cinema, the course will discuss the varying foreign aesthetic schools and directors that have influenced filmmakers in Greece.

GRST 201. Colloquium on the Greek American Community. 3 hr.; 3 cr :

Prereq.: GRST 102 or permission of instructor.

The topic studied will vary from semester to semester and will be announced in advance. May be repeated once for credit provided the topic is not the same. A student may not use GRST 201 twice to satisfy the requirement for two courses in category D. See program office for details.

GRST 202. Selected Topics in Byzantine and Modern Greek Studies. 3 hr.; 3 cr :

The subject to be studied will vary from semester to semester and will be announced in advance. May be repeated for credit provided the subject is not the same.

GRST 300. Seminar on the Greek-American Community. 3 hr.; 3 cr :

Prereq.: GRST 102, one course from category D, sophomores and above only.

Supervised research on the Greek-American community. The seminar is designed to assist students in the analysis and interpretation of selected survey areas pertaining to the Greek American community, and will entail contacts with community organizations. See program office for details.

GRST 301. Seminar in Byzantine and Modern Greek Studies. 3 hr.; 3 cr :

Prereq.: Permission of program Director.

An intensive study in a selected field of Byzantine and Modern Greek Studies. The subject to be studied will vary and will be announced in advance. This course may be repeated for credit provided the subject is not the same.

GRST 390. Tutorials. 3 hr.; 3 cr :

Prereq.: Upper junior or senior standing and permission of the program.

Students undertake and complete an individual research problem in their field of special interest under the direction of an instructor in the program.

CHEMISTRY AND BIOCHEMISTRY

Chair and Assistant Chair for Evening Studies: George Axelrad

Graduate Advisers: Robert Engel (Chemistry), Thomas C. Streckas (Biochemistry), Wilma A. Saffran

Dept. Office: Remsen 206, 520-7228

Distinguished Professor: Bittman;

Professors: Axelrad, Baker, Berkowitz, Disch, Engel, Gafney, Goldman, Hayon, Koeppl, Locke, Schulman, Streckas, Tropp;

Associate Professor: Hersh;

Assistant Professors: Rotenberg, Saffran;

Adjunct Associate Professor: Wong, R;

Adjunct Assistant Professor: Lipsey-Hersh;

Research Associates: Byun, Chandraprakash, Erukulla, Liu, X-R, Reddy, Vilcheze;

Graduate Assistants: Agrawal, Altman, Duan, Fan, Gao, Greenberg, Leung, Li, Liu, X., Liu, Y-J., Marwah, Mateen, Pan, Ragolia, Rengan, Rocanova, Rutenburg, Shen, Tang, Tewani, Tysoe, Vito, Wolkow, Wong, K., Yang, C., Yang, H. Zhang;

Research Assistants: Pratt, Shi, Wen, Yao;

Director of Laboratories and

Chief CLT: Smith;

Senior CLTs: Badalamenti, Wurman;

CLTs: Beukelaer, Chowdhury, Masse;

Assistant to Chair: Brickman;

Department Secretary: Deutsch

The department is both teaching and research oriented. Undergraduate education is very important and indispensable to the departmental activity. Chemistry and biochemistry are central, quantitative experimental sciences. Our faculty, in addition to a strong commitment to research, are also intimately involved in the important job of teaching lectures, recitations, and laboratories. We place a strong emphasis on training our students in problem solving, laboratory work, and computing. Because research and problem solving are integral parts of our program, faculty-student research is strongly encouraged for well-qualified students, especially in their junior and senior years. Our faculty and staff are readily available to help students with their questions and problems during frequent office hours or by appointment.

The department offers an undergraduate program flexible enough in its electives to provide a quality preparation for careers in many different areas of chemistry and biochemistry. The major is designed to make available an education based on science for those who intend to go on to graduate study, as well as for those who intend to pursue professional study or careers. A major in chemistry is a good preparation for industrial jobs, research institutions, or government laboratories. It also can lead to professional careers in medicine, dentistry, veterinary medicine, or the teaching of chemistry and science in secondary schools.

The Major

A major in chemistry will include Chemistry 111,112 or 113, and 114 (or equivalents), 241,251,252, 361,362, 365,366, Math 111, 112, and 201 (or equivalents), and Physics 121 and 122 (or equivalents), and 12 additional credits in the natural sciences and/or mathematics. At least six of the 12 additional credits must be advanced chemistry courses (Chemistry 375 and those with Chemistry 361 as a pre- or corequisite) and must include some laboratory work. Any science courses other than chemistry to be included must be more advanced than the first year's work, and any mathematics courses to be included must be advanced courses that have Mathematics 201 as a prerequisite.

Biochemistry Track

The biochemistry track is a program designed to train chemistry majors with an interest in chemical approaches to living systems and health-related problems. The curriculum is as follows:

1. The chemistry major core including Chemistry 113 and 114 (or equivalent), 241,251,252, 361 and 365, Math 111 and 112 (or equivalent), and 201, and Physics 121 and 122 (or equivalent).
2. Chemistry 375, 376, 377, 378,379.
3. Biology 101 and 102 or 104 and Biology 260.

Students interested in obtaining information about the biochemistry track as well as other information related to a major in chemistry are urged to obtain a copy of the *Chemistry Department Handbook* and consult with the concentration adviser and the department faculty for more details about the various opportunities available.

The four-year B.A.-M.A. program in biochemistry and chemistry are described in the *Chemistry Handbook*, which is available in the department office.

Chemistry majors who plan to teach general science and chemistry should consult the science education adviser in the Secondary Education Department on the selection of the 12 additional credits beyond Chemistry 366.

The department has been accredited by the Committee on Professional Training of the American Chemical Society as qualified to offer professional training to chemists. Majors who want to be certified to the American Chemical Society as having successfully completed an approved undergraduate program in chemistry should consult with a department concentration adviser on the choice of 12 credits beyond Chemistry 366. A similar conference is strongly advised for chemistry majors who plan to do graduate work in chemistry or biochemistry.

It is very useful for chemistry majors to be able to read scientific German or Russian or French. German is especially desirable. German 10 and 113 should be elected if two years or more of study are not elected.

Students taking Chemistry 112, and courses beyond Chemistry 114, must have a grade C^- or higher in the courses specified as prerequisites. To graduate as a chemistry major, a student must earn a C average (2.0) for all courses that make up the concentration in chemistry.

Students who repeat a course in chemistry are reminded that credit can be received only once. Evening students should consult with the Chair of the department.

The Minor

The chemistry minor consists of Introductory Chemistry (Chemistry 113 and 114, or equivalent, 111, 112 and 114 or 119), Organic Chemistry (Chemistry 251 and 252), and Analytical Chemistry I (Chemistry 241). Chemistry 241 may be replaced by other courses with approval of the department. (*Note:* A requirement for students entering Chemistry 114 is Mathematics 100 or 101 or 111. Such a course is therefore automatically a requirement for a minor in chemistry.)

Transfer Students

All transfer students who plan to take chemistry courses beyond the first course must meet the prerequisites and provide proof of having completed with a satisfactory grade C^- or better the prerequisite course. Students are advised to expedite the evaluation prior to their registration. The department will accept an official grade report or a student copy of the transcript. Students must also provide an official bulletin from the college where the work in chemistry was done.

Majors in chemistry must complete at least one half of their chemistry concentration requirements in the department.

Courses

Note: The department offers the following introductory courses: Chemistry 10, 16, 19, 111, 113, and 119. All of these are beginning courses in that they assume the student has had no previous college chemistry; however, each course serves a different purpose.

Either Chemistry 111, 113, or 119 can serve as a first course for majors in chemistry, biology, geology, physics, or in the pre-medical, pre-veterinary, and pre engineering programs.

If you are not sure which introductory chemistry course is right for you, we offer an optional Chemistry Placement Examination. This test in simple mathematics and reasoning is designed to help you to decide.

10. Elementary Chemistry for the Health Sciences. 3 lec. 3 lab. hr.; 4 cr :

A one-semester course presenting an overview of the energetics of physiological systems. The course will begin with an introduction to necessary background material on chemical structure and on energetics, and continue with discussions of energy metabolism, energy transfer in the body, and sources of chemical energy in the body. The laboratory part of the course will provide an introduction to experimental chemical techniques, to experimental aspects of thermochemistry, and

to analyses and manipulations of biochemical samples. Not open to students who have taken Chemistry I 9, 1 I 3, 119 or their equivalents. MAT charge, \$25. Spring

11. Chemistry for Today. (formerly Chemistry 15) 2 lec., 2 lab. hr.; 3 cr :

Prereq.: Open to ACE and LEAP students only.

A non mathematical introduction to chemistry to provide some understanding of the chemical aspects of issues that confront today's citizen. The laboratory class will provide firsthand experience in various chemical techniques.

16. Chemistry in Modern Society. 2 lec., 1 rec. hr.; 3 cr :

Not open to students who have taken Chemistry 19, 58, 59, I 11, 112, 113, 114.) A survey of chemistry designed to acquaint nonscientists with aspects of the subject of interest and concern to the average citizen. The course provides an introduction to atoms and molecules and to chemical reactions that play a significant role in modern life. Included in this treatment are discussions of important types of molecules found in living systems. Topics such as the genetic code and recombinant DNA techniques ("genetic engineering"); the role of the hormones in plants, animals, and insects; the nature of genetic diseases, viruses, the cancer problem, and chemotherapy are among those considered. The course deals with aspects of chemical technology and chemical aspects of our environmental problems. In this connection, energy resources, material resources, and the role of synthetic and analytical procedures are considered. Fall, Spring

17. Chemistry for the Consumer. 3 lab. hr.; 1 cr :

Prereq. or coreq.: Chemistry 16. Provides a firsthand laboratory experience of chemistry-based products and processes. The emphasis of the course is to provide a basis of knowledge for the average consumer. Students prepare and/or analyze consumer products such as cold creams, cereals, headache tablets, and cleansers as well as investigate the chemical behavior and manufacture of substances such as plastics, acids, fertilizers, and insecticides. Processes such as photography, dyeing, painting, and printing form the basis of a number of laboratory sessions. Students also learn how chemicals can be used to generate electricity (cells and batteries) and how solar energy can be trapped using chemical principles. MAT charge, \$25. Fall, Spring
Note: English 95 or its equivalent is the minimum corequisite for all courses (see pp. 38, 124). +'- offered *either* Fall or Spring; see *Class Schedule*
++-*may be offered*; see *Class Schedule*

19. General Chemistry 1. 2 lec., 1 rec., 3 lab. hr.; 4 cr :

An introductory course for students who do not intend to take courses beyond Chemistry 79. Chemistry 19 prepares students for entry into Chemistry 58 or 59. MAT charge, \$25. Fall, Spring

58. General Chemistry 1I. 2 lec. 1 rec., 3 lab. hr.; 4 cr :

Prereq.: Chemistry 19 or equivalent. A one-semester treatment of aspects of organic chemistry and biochemistry.

59. Survey of Organic Chemistry. 2 lec. 1 rec., 3 lab. hr.; 4 cr :

Prereq.: Chemistry 19 or equivalent with a grade of C- or better. A one-semester survey of organic chemistry, intended for majors in home economics, nutrition, biology-education, health-education, and other health-related fields, and also for non- science majors. MAT charge, \$25. Fall, Spring

79. Biochemistry in Nutrition. 2 lec., 1 rec. 3 lab. hr.; 4 cr :

Prereq.: Chemistry 19 and 59 (or equivalents). A study of the structure, properties, and metabolism of the major groups of biological importance, with special emphasis on the role of those compounds required in diet: proteins, carbohydrates, lipids, nucleic acids, and vitamins. In addition to presenting the chemistry of major cellular constituents, the course will also cover enzymology, the metabolism of carbohydrates, proteins, lipids, nucleic acids, and important nutrients. Problems of metabolic regulation in relation to nutrient intake will also be discussed. Not open to chemistry majors. MAT charge, \$25. fall, Spring

111. Preliminary Chemistry. 1 lec., 3 rec. hr.; 2 cr.

Prereq.: Math 6 or equivalent. Emphasizes problem-solving strategies and techniques in the context of basic chemistry topics such as the mole concept, stoichiometry, solutions, gas laws, and

an introduction to atomic structure. Chemistry 111 and I 12 prepare the student for Chemistry 114. Fall, Spring

112. Introductory College Chemistry. 3 lec., 1 rec., 3 lab. hr.; 5 cr :

Prereq.: A grade of C- or better in Chemistry I 11. For the student who has completed Chemistry I 11, a presentation of facts and theory essential for subsequent advanced courses. Students continuing in Chemistry should register for Chemistry 114. MAT charge, \$25.+

113, 114. Introductory College Chemistry. 3 lec., 1 rec., 3 lab. hr.; 5 cr :

each semester. Prereq.: For Chemistry 114, Chemistry 113 or 112 and Mathematics 100 or 101 or 111. This is the standard introductory sequence for students interested in physical science, biology, pre-engineering, pre-medical, and pre-dental programs, designed to provide a thorough knowledge of facts and theory essential for subsequent advanced courses. A previous knowledge of chemistry is not required; however, adequate high-school preparation in basic science and mathematics is essential. MAT charge, \$25. Fall, Spring

**115, 116. Introductory College Chemistry. Chemistry 115:3 lec., 1 inc. hr.; 4 cr :
; Chemistry 116:3 lec., 1 rec., 6 lab. hr.; 6 cr :**

Prereq.: For Chemistry 116, Chemistry 115 and Mathematics 100 or 101 or 111.

The equivalent of Chemistry 113 and 114, but with all the laboratory work in the second semester.

119. introductory College Chemistry. 3 lec., 1 rec., 5 lab. hr.; 5 cr :

Prereq.: One year of high school chemistry; prereq. or coreq.: Mathematics 100 or 101 or 111. Designed to prepare selected students for advanced work. MAT charge, \$25.

240. Environmental Chemistry. 3 lec. hr.; 3 cr :

Prereq.: Chemistry 114, 116, or 119 with a grade of C- or higher.

Study of environmental quality from a chemical point of view, including the atmosphere, hydrosphere, heavy metals in the environment, problems of solid waste disposal, food additives, and energy production and conservation. Fall

241. Analytical Chemistry I. 3 lec. 4 lab. hr.; 4 cr :

Prereq.: A grade of C- or higher in Chemistry 114, 116, or 119.

The study of the theory and techniques of quantitative determination by gravimetric, volumetric, and instrumental methods. MAT charge, \$25. Fall, Spring

251,252. Organic Chemistry 1, II. 3 lec., 1 rec., 4 lab. hr.; 5 cr :

each semester. Prereq.: For Chemistry 251, a grade of C- or higher in Chemistry 114, I 16 or I 19; for Chemistry 252, a grade of C- or higher in Chemistry 251. The structure, preparation, properties, and reactions of the principal classes of organic compounds. Fall, Spring

331. Advanced Inorganic Chemistry. 3 lec. hr.; 3 cr :

Prereq.: Grade of C- or higher in Chemistry 252 and 361.

A survey of the fundamental aspects of inorganic chemistry designed to acquaint the student with the electronic structure of atoms and molecules, bonding, structure, group theory, spectroscopy, and the kinetics and mechanisms of inorganic reactions. Fall

332. Advanced Inorganic Chemistry Laboratory. 6 lab. hr.; 2 cr :

Coreq.: Chemistry 331. A laboratory course designed to acquaint the student with various techniques for the synthesis and characterization of inorganic compounds. A wide variety of experiments is available so that the student can exercise some choice in accord with his or her interests.

342. Analytical Chemistry 11: Instrumental Analysis. 2 lec., 6 lab. hr.; 4 cr :

Prereq.: A grade of C- or higher in Chemistry 241; prereq. or coreq.: Chemistry 361.

Quantitative determinations using instrumental methods. Laboratory experiments utilizing commercially available instruments are included. Spring

353. Qualitative Organic Analysis. 2 lec., 6 lab. hr.; 4 cr :

Prereq.: A grade of C- or higher in Chemistry 252 and 365; prereq. or coreq.: Chemistry 362.

The systematic identification of organic compounds using semimicrotechniques and including an introduction to the interpretation of infrared, ultraviolet, mass, and nuclear magnetic resonance spectra. MAT charge, \$25. Spring

354. Advanced Organic Chemistry. 2 lec. 1 rec. hr.; 3 cr :

Prereq.: A grade of C- or higher in Chemistry 252 and 365; prereq. or coreq.: Chemistry 362. Mechanisms of organic reactions, thermodynamics and chemical equilibrium, stereochemical problems, and polycyclic and heterocyclic compounds. Fall .

355. Advanced Organic Chemistry Laboratory. 6 lab. hr.; 2 cr :

Coreq.: Chemistry 354. Advanced preparative work and, for some students, a start in research. MAT charge, \$25.

361, 362. Physical Chemistry 1, 11. 3 hr.; 3 cr :

each semester. Prereq.: For Chemistry 361, Physics 122 or 146, Mathematics 201, Chemistry 114, 116, or 119 with a grade of C- or higher, for Chemistry 362, a grade of C- or higher in Chemistry 361. An introduction to such topics as thermodynamics, equilibrium, electrochemistry, kinetics, quantum theory, spectroscopy, and atomic theory. 361, Fall; 362, Spring

363. Selected Topics in Advanced Physical Chemistry. 3 lec. hr.; 3 cr :

Prereq.: A grade of C or higher in Chemistry 362. Selected topics from quantum chemistry, kinetic theory, statistical thermodynamics, and their applications.

363, 366. Physical Chemistry Laboratory 1, 11. 1 rec. 4 lab. hr.; 2 cr :

each semester. Prereq. or coreq.: For Chemistry 365, Chemistry 241 and 361; prereq.: For Chemistry 366, Chemistry 365; prereq. or coreq. for 366, Chemistry 362. An introduction to experimental techniques. MAT charge, \$25. 365, Fall; 366, Spring

375. Introduction to Biochemistry. 4 lec. hr.; 4 cr :

Prereq.: A grade of C- or higher in Chemistry 252; a grade of C- or higher in Biology 102 or 104; or permission of instructor. Structure, properties, biosynthesis, and metabolism of major groups of compounds of biological importance: proteins, amino acids, nucleic acids, carbohydrates, lipids, and vitamins. Fall, Spring

376. Introductory Biochemistry Laboratory. 1 rec., 4 lab. hr.; 2 cr :

Prereq.: Chemistry 361 and a grade of C- or higher in Chemistry, 25 2; coreq.: Chemistry 375. Experimental study of selected biochemical processes; enzyme kinetics; biological oxidations; use of radioactive tracers; chromatographic separation and purification of major types of natural substances. MAT charge, \$25. Fall, Spring

377. Advanced Biochemistry. 3 lec. hr.; 3 cr :

Prereq.: A grade of C- or higher in Chemistry 361, 375, or permission of department. Biosynthesis especially of macromolecules and complex cellular constituents such as membranes. Specialized topics of current interest. Spring

378. Physical Biochemistry. 3 lec. hr.; 3 cr :

Prereq. or coreq.: A grade of C- or higher in Chemistry 361; prereq. or coreq.: Chemistry 375. Structure and conformation of proteins, nucleic acids, and other biopolymers; physical techniques for study of macromolecules; behavior and properties of biopolymers.

379. Biophysical Chemistry Laboratory. 1 lec., 4 lab. hr.; 2 cr :

Prereq.: A grade of C- or higher in Chemistry 361 and 365; prereq. or coreq.: Chemistry 378. Application of physical chemical techniques to the study of biomolecular properties, including molecular conformations, kinetic and thermodynamic aspects of ligand binding, redox properties and separation techniques. MAT charge, \$25.

380. Selected Topics in Biochemistry. 3 lec. hr.; 3 cr :

Prereq.: Chemistry 377 or permission of instructor.

In-depth treatment of topics such as recombinant DNA technology, biochemistry of cancer, membrane structure and function, control and regulation in metabolic processes, bioinorganic chemistry.

381. Seminar. 2 hr.; 2 cr :

Prereq.: Permission of department. Topics for each semester announced in advance. Offered primarily for seniors. Fall, Spring

391. Special Problems. 391.1 - 3 hr.; 1 cr :

each semester; 391.2 - 6 hr.; 2 cr :

each semester; 391.3 - 9 hr.; 3 cr :

each semester. Prereq.: Permission of department. Introduction to the methods and techniques of chemical/biochemical research for the advanced student in science. Each student accepted works on a research problem under the supervision of a member of the faculty. Includes both laboratory and library work. May be taken more than once. MAT charge, \$25.

CLASSICAL AND ORIENTAL LANGUAGES

Chair: Joel B. Lidov

Dept. Office: King 203,997-5570

Professors: Goldsmith, Schoenheim, Wu;

Associate Professors: Lidov, Sectorsky;

Assistant Professors: Doron, Suzuki;

Lecturers: Acker, Softer, Tegopoulos, Wang;

Department Secretary: Mendelsohn;

Professors Emeriti: Greis, Solomon

Classical and Oriental Languages offers courses in six areas: Arabic; Chinese, Japanese, and Oriental Studies; Classics, Ancient Greek, and Latin; Hebrew; Modern Greek; and Yiddish. The programs of each area include language instruction at all levels, advanced study of literature in the original languages, and courses on literature and culture given entirely in English. Majors are offered in Ancient Greek, Hebrew, Latin, and Yiddish. (Chinese and Japanese are part of the major in East Asian Studies; see page 113; Modern Greek is part of the major in Byzantine and Modern Greek Studies; see page 91.) The department also offers minors in Arabic, Chinese, Ancient Greek, Modern Greek, Hebrew, Latin, and Yiddish. For details, see the descriptions below for each of the sections and consult the coordinator for each area.

Courses are offered both for those who want to specialize and go on to graduate degrees and for those who want to broaden their horizons by gaining insights into one or more of the cultures of the languages taught. Study of the modern languages of the department - Arabic, Chinese, Modern Greek, Hebrew, Japanese, and Yiddish may also help prepare students for careers in bilingual education, government service, international agencies, mass communication, or community service.

The department offers the following courses in English (many of which satisfy the Humanities I or III Liberal Arts and Sciences Area Requirements, and the Pre Industrial/Non-Western Civilization requirement; see pages 43-44).

Arabic 160/History 117. The History and Civilization of Islam

Arabic 260. Introduction to the Study of the Koran

Classics 10. The Greek and Latin Elements in English

Classics 120. Greek Civilization

Classics 130. Roman Civilization

Classics 140. Classical Mythology

Classics 150. Greek and Latin Classics in Translation

Classics 240. Religion and Philosophy in Classical Greece and Rome

Classics 250. Ancient Epic and Tragedy

Greek 150. Modern Greek Literature in Translation

Hebrew 150. Modern Hebrew Literature in Translation

Hebrew 160. Masterpieces of Hebrew Literature in Translation

Hebrew 190. Topics in Hebrew Culture and Literature in Translation

Oriental Studies 220. East Asian Civilization I

Oriental Studies 221. East Asian Civilization II

Yiddish 150. An Introduction to Yiddish Literature

Yiddish 161. The Culture of East European Jewry

Courses in Chinese, Japanese, and Greek and Roman art, history, and philosophy are offered by the respective departments. Other related courses include English 380 and 381, Comparative Literature 220 and 221, and courses in Jewish Studies (see page 154).

Arabic

Coordinator and Adviser: Susan A. Sectorsky

Arabic language study stresses the reading and comprehension of Modern Standard Arabic. After completing Arabic 204, advanced students may wish to pursue writing and speaking skills as well. Students are introduced to graded modern reading selections in Arabic 102. In Arabic 203, students read short classical texts in addition to ungraded modern selections. From Arabic 204 on, students' command of syntax and morphology enables them to choose to begin to study either classical or modern literature. The courses in English introduce the student to masterpieces of Arabic literature and to the historical and cultural development of the civilization of Islam.

The Minor

The minor in Arabic consists of 12 credits in language courses beyond Arabic 102 and two courses (6 credits) taught in English relevant to the history and civilization of Islam. For details, please consult the Coordinator or the Chair.

Note: English 95 or its equivalent is the minimum corequisite for all courses (see pp. 38, 124). +- offered *either* Fall or Spring; see *Class Schedule*
 +-*may be* offered; see *Class Schedule*

Course Placement

Placement in basic language courses is subject to the permission of the instructor.

Courses in Arabic

COURSES TAUGHT IN ENGLISH

150. Modern Arabic Literature in Translation. 3 hr.; 3 cr :

An introduction to outstanding works of Arabic literature in English translation. Modern Arabic writers have broken with classical forms and traditions, and current writing deals with contemporary concerns and ideals. We will study the intellectual, social, and political implications of selected short stories, novels, and poems.

160./History 117. History and Civilization of Islam. 3 hr.; 3 cr :

Explores the institutions and intellectual traditions of the civilization of Islam from the days of the Prophet Mohammed through the modern period.

260. An Introduction to the Study of the Koran. 3 hr.; 3 cr :

Prereq.: Sophomore standing required. This course explores the content of the Koran, its meaning, and its role in the development of the early Muslim community. The leadership of the Prophet Muhammad will be considered, as will the development of Koran commentary and dogma. All readings and discussion are in English. Spring

BASIC LANGUAGE COURSES

101. Elementary Arabic I. 4 hr.; 4 cr :

Prereq.: English 95 or equivalent. A beginner's course in modern Arabic, designed to give elementary control over the spoken and the written word; practice in reading elementary texts and in oral expression. Fall

102. Elementary Arabic II. 4 hr.; 4 cr :

Prereq.: Arabic 101 or equivalent. A continuation of Arabic I 01. Spring

203. Intermediate Arabic I. 3 hr.; 3 cr :

Prereq.: Arabic 102. A continuation of Arabic 102. Fall

204. Intermediate Arabic II. 3 hr.; 3 cr :

Prereq.: Arabic 203. A continuation of Arabic 203. Spring

ADVANCED LANGUAGE COURSES

Please consult the Coordinator. Permission of the instructor is required before registration for advanced language study.

CHINESE, JAPANESE, AND ORIENTAL STUDIES

Coordinator and Adviser for Chinese. Pei-Yi Wu; *Adviser for Japanese.* Tomi Suzuki

COURSES TAUGHT IN ENGLISH

Oriental Studies 220. East Asian Civilization I. 3 hr.; 3 cr.

An introduction to the civilization of China and Japan, from ancient times through the T'ang dynasty in China and from ancient times through the medieval period in Japan. No knowledge of Chinese or Japanese is necessary.

Oriental Studies 221. East Asian Civilization II. 3 hr.; 3 cr :

A continuation of Oriental Studies 220. An introduction to the civilization of China and Japan, from the Sung dynasty through the twentieth century in China and from the Tokugawa period through the twentieth century in Japan. No knowledge of Chinese or Japanese is necessary.

Courses in Chinese

The program of instruction in Chinese has three parts. *The first two years* are intended to introduce the student to the basic sentence patterns of Mandarin and to Chinese characters; the first year emphasizes the spoken language, the second year emphasizes the written language as it is used to transcribe the spoken language. *The third year* is an introduction to the classical language through the study of classical grammar and classical texts. *The fourth year* provides the student with a selection of reading courses that reinforce the student's experience with both the spoken and classical languages through the reading of dramas, essays, historical texts, and fiction. The reading selections from the second year on are intended to acquaint the student with the civilization of China through the study of secondary and primary materials.

The Major in East Asian Studies While there is no departmental major in Chinese, the major in East Asian Studies (see page 113) has a Chinese language requirement (four semesters of courses in speaking and reading Mandarin: Chinese 101, 102, 203, and 204) and an auxiliary specialization which may be satisfied by further work in the language (two semesters of classical Chinese: Chinese 250 and 251).

The Minor

The minor in Chinese consists of 17 credits in the language (Chinese 101, 102, 203, 204, and 250) and 3 credits in Oriental Studies 220.

Course Placement

Students with no background in the Chinese language begin with Chinese 101. Students who have learned Chinese characters through their study of Japanese or Korean may enter Chinese 250 with the permission of the instructor. All others, whether native speakers or not, should consult the department for correct placement.

BASIC LANGUAGE COURSES

101. Elementary Chinese 1. 4 hr.; 4 cr :

A beginner's course in Mandarin. Fall

102. Elementary Chinese 1I. 4 hr.; 4 cr :

Prereq.: Chinese 101 or equivalent. A continuation of Chinese 101. Spring

203. Intermediate Chinese I. 3 hr.; 3 cr :

Prereq.: Chinese 102 or equivalent. Primarily a reading course intended to increase the student's command of Chinese characters and give further practice in using the basic language patterns studied in the elementary course. Fall

204. Intermediate Chinese II. 3 hr.; 3 cr :

Prereq.: Chinese 203 or equivalent. A continuation of Chinese 203. Spring

211. Intermediate Chinese Conversation I. 2 hr.; 1 cr :

Prereq.: Chinese 102 or permission of department. For students who wish to improve their fluency in speaking. +

212. Intermediate Chinese Conversation 11. 2 hr.; 1 cr.

Prereq.: Chinese 211 or permission of department. A continuation of Chinese 211. +

250. Introduction to Classical Chinese I. 3 hr.; 3 cr :

Prereq.: Chinese 204 or equivalent. Wen-yen grammar and the reading of texts in Classical Chinese. Fall

251. Introduction to Classical Chinese II. 3 hr.; 3 cr :

Prereq.: Chinese 250 or equivalent. A continuation of Chinese 250. Spring

ADVANCED LANGUAGE COURSES

311. Advanced Chinese Conversation 1. 2 hr.; 1 cr.

Prereq.: Chinese 212 or permission of department. A continuation of Chinese 212. +

312. Advanced Chinese Conversation 11. 2 hr.; 1 cr :

Prereq.: Chinese 311 or permission of department. A continuation of Chinese 311.

315. Chinese Composition. 3 hr.; 2 cr :

Prereq.: Chinese 251 or equivalent. Exercises in composition and syntax, designed to give an enhanced appreciation and command of the written language.

320. Chinese Drama. 3 hr.; 3 cr :

Prereq.: Chinese 251 or equivalent. Readings in representative twentieth-century Chinese plays.

330. The Chinese Essay. 3 hr.; 3 cr :

Prereq.: Chinese 251 or equivalent. Readings in contemporary prose works. Current journalistic writings may be included.

340. Readings from Chinese History. 3 hr.; 3 cr.

Prereq.: Chinese 251 or equivalent. Readings in Chinese historical texts; the selections may vary from year to year.

350. Chinese Fiction. 3 hr.; 3 cr :

Prereq.: Chinese 251 or equivalent. Readings in twentieth-century Chinese novels and short stories.

360. Traditional Chinese Literature. 3 hr.; 3 cr :

Prereq.: Chinese 251 or equivalent. Readings from Chinese classical writers of prose and poetry. Selections vary each semester. The course may be taken for credit more than once if the topic is different.

370. Chinese Short Story. 3 hr.; 3 cr :

Prereq.: Chinese 251 or equivalent. Readings of classical and modern Chinese short stories.

380. Seminar in Sinological Methods. 3 hr.; 3 cr :

Prereq.: Chinese 320, 330, 340, or 350 or permission of department.

Courses in Japanese

The basic program of instruction in modern Japanese seeks to prepare students in four fundamental language skills: listening comprehension, speaking, reading, and writing. Elementary Japanese (Japanese 101-102) introduces beginning students to the fundamentals of modern spoken and written Japanese, with particular emphasis on the acquisition of basic grammatical patterns. Students will use the *hiragana* and *katakana* syllabary and a limited number of *Kanji*. Intermediate Japanese (Japanese 203-204) further develops skills in reading, writing, conversation, and grammar, and increasingly incorporates *Kanji*.

Course Placement

Students who have no previous knowledge of the Japanese language must begin with Japanese 101. Students who have had previous training in Japanese should consult the instructor for correct placement.

101. Elementary Japanese I. 4 hr.; 4 cr :

Prereq.: English 95 or equivalent. An introduction to the fundamentals of spoken and written Japanese, with emphasis on the acquisition of basic grammatical patterns. Students will use the *hiragana* syllabary.

102. Elementary. Japanese I1. 4 hr.; 4 cr :

Prereq.: Japanese 101 or equivalent. A continuation of Japanese 101. Students will also use the *katakana* syllabary and a limited number of *Kanji*.

203. Intermediate Japanese L 3 hr.; 3 cr :

Prereq.: Japanese 102 or equivalent. A continuation of Japanese 102. Further develops skills in reading, writing, conversation, and grammar, and increasingly incorporates *Kanji*.

204. Intermediate Japanese 11. 3 hr.; 3 cr :

Prereq.: Japanese 203 or equivalent. A continuation of Japanese 203. Spring

305. Advanced Modern Japanese I. 3 hr.; 3 cr.

Prereq.: Japanese 204 or permission of instructor. A course designed to develop further the reading, writing, speaking, and listening skills that students have obtained in Elementary and Intermediate Japanese. More emphasis will be placed on reading and understanding modern written texts.

306. Advanced Modern Japanese 11.3 hr.; 3 cr :

Prereq.: Japanese 305 or permission of instructor. A continuation of Japanese 305. Readings of modern expository Japanese texts.

CLASSICS, ANCIENT GREEK, AND LATIN

Coordinator and Adviser. Joel B. Lidov

The Classics section offers *Classics* courses in English and beginning and advanced courses in *Latin* and in *Ancient Greek*. In the Classics courses students learn about the literature and civilization of the ancient world as it is presented in the original writings of ancient poets, historians, orators, and philosophers. All reading is done in translation. The Greek and Latin courses provide students with a reading knowledge of the ancient languages. The first year is largely devoted to forms, grammar, and short practice passages. Continuous reading is introduced in the second year.

The Major

The major in Ancient Greek consists of a minimum of 12 credits of Greek beyond Greek 252; at least 6 credits of Latin beyond Latin 102 or its equivalent; and Classics 120, 130, and 140 (27 credits).

The major in Latin consists of a minimum of 15 credits of Latin beyond Latin 203; Greek 251 and 252 or their equivalent (8 credits); and Classics 120, 130, and 140 (9 credits). Students who intend to teach Latin at the high-school level or to go on to graduate work in classics should also take Latin 315 and 316 (2 credits).

To be graduated with a major in Ancient Greek or Latin, students must attain a C average in the courses composing their major.

The Minor

Students who wish to minor in Greek or Latin should consult the Coordinator.

Course Placement

Students who have had previous training in Latin or Ancient Greek should consult the department. Note that Greek 251 has no prerequisites and is the beginner's course for all students who have not had any formal instruction in Ancient Greek.

Courses in Classics

COURSES TAUGHT IN ENGLISH

10. The Greek and Latin Elements in English. 2 hr.; 2 cr :

Study of the most important Greek and Latin roots in English, both literary and scientific; history of the Greek and Latin elements in English; principles of word formation.

120. Greek Civilization. 3 hr.; 3 cr :

Designed for students who wish to secure an overview of the life and civilization of the ancient Greeks. Knowledge of Greek not necessary. t

130. Roman Civilization. 3 hr.; 3 cr :

Designed for students who wish to secure an overview of the life of ancient Rome and its civilization. Knowledge of Latin not necessary.

140. Classical Mythology. 3 hr.; 3 cr :

Analysis and interpretation of Greek and Roman mythology: the various theories of its origins, a comparison with similar mythic elements in other ethnic groups, and the influence of the myths on the religious and patriotic concepts of classical times and on classical and modern languages and literature's. Texts, lectures, and class discussions supplemented by collateral readings leading to a term paper. Knowledge of ancient languages not necessary. Fall, Spring

150. Greek and Latin Classics in Translation. 3 hr.; 3 cr :

Prereq.: English 110. An introduction to the masterpieces that have made the literature of Greece and Rome an enduring part of the modern heritage. The course will include Homer, Herodotus, Greek Tragedy, Greek and Roman Lyric, Greek and Roman Comedy, Roman Epic, Ovid. The literature will be studied for its enduring values, in relation to its times, and as the background for literature in the modern languages. Fall, Spring

240. Religion and Philosophy in Classical Greece and Rome. 3 hr.; 3 cr :

An examination of the official state cults, of unofficial forms of worship such as the mystery religions, of the influx and spread of such Oriental deities as Mithra and Isis, and the rise of

Christianity. Those Greek philosophical ideas that spread to Rome and frequently supplemented or served in place of religion for some segments of the population are also examined.

950. Ancient Epic and Tragedy. 3 hr.; 3 cr :

Study in English translation of Homer, Aeschylus, Sophocles, Euripides, and their influence. Courses in Ancient Greek

251. Elementary Ancient Greek I. 4 hr.; 4 cr :

A beginner's course in Ancient Greek, based on the language of Plato and other Classical Athenian authors.

252. Elementary Ancient Greek II. 4 hr.; 4 cr.

Prereq.: Greek 251 or one year of high school Greek. A continuation of Greek 251. Spring

351. Euripides. 3 hr.; 3 cr :

Prereq.: Greek 252 or two years of high-school Greek.

352. Plato. 3 hr.; 3 cr :

Prereq.: Greek 252 or two years of high-school Greek. Readings in the shorter works of Plato.

353. Herodotus. 3 hr.; 3 cr :

Prereq.: Greek 252 or two years of high-school Greek.

357. Homer. 3 hr.; 3 cr :

Prereq.: Greek 252 or two years of high-school Greek.

361. Sophocles. 3 hr.; 3 cr :

Prereq.: Greek 351, or 352, or 353, or permission of department.

362. Aristophanes. 3 hr.; 3 cr :

Prereq.: Greek 351, or 352, or 353, or permission of department.

363. Aeschylus. 3 hr.; 3 cr :

Prereq.: Greek 351, or 352, or 353, or permission of department. Courses in Latin

101. Elementary Latin. 3 hr.; 3 cr :

Fall

102. Intermediate Latin. 3 hr.; 3 cr :

Prereq.: Latin 101 or one year of high-school Latin. A continuation of Latin 101. Spring

203. Roman Prose. 3 hr.; 3 cr :

Prereq.: Latin 102 or three years of high-school Latin. Readings in outstanding Latin prose authors. Fall

204. Roman Poetry. 3 hr.; 3 cr :

Prereq.: Latin 203 or four years of high-school Latin. Readings in Catullus and Martial. Spring

315. Latin Prose Composition I. 1 hr.; 1 cr :

Prereq.: Latin 204 or permission of department. A practical course in the writing of Latin prose; review of forms and syntax.

316. Latin Prose Composition II. 1 hr.; 1 cr.

Prereq.: Latin 315. A continuation of Latin 315.

351. Roman Comedy. 3 hr.; 3 cr :

Prereq.: Latin 204 or equivalent.

352. Roman Satire. 3 hr.; 3 cr :

Prereq.: Latin 204 or equivalent.

353. Silver Latin Prose. 3 hr.; 3 cr :

Prereq.: Latin 204 or equivalent. Readings in the letters of Seneca the Younger and Pliny the Younger.

354. Roman Fiction. 3 hr.; 3 cr :

Prereq.: Latin 204 or equivalent. Selected readings in the *Satyricon* of Petronius and the *Golden Ass* of Apuleius.

356. Medieval Latin Literature. 3 hr.; 3 cr :

Prereq.: Latin 204 or equivalent.

357. Roman Historians. 3 hr.; 3 cr :

Prereq.: Latin 204 or equivalent. Readings in the major Roman historians, excluding Tacitus.

358. Roman Biography. 3 hr.; 3 cr :

Prereq.: Latin 204 or equivalent.

359. Roman Elegiac Poetry. 3 hr.; 3 cr :

Prereq.: Latin 204 or equivalent. Readings in the poetry of Tibullus and Propertius.

361. Cicero. 3 hr.; 3 cr :

Prereq.: One course in Latin beyond 204 or permission of department.

362. Vergil. 3 hr.; 3 cr :

Prereq.: One course in Latin beyond 204 or permission of department. Intensive study of the *Adenoid*. Restricted to students who have not previously studied the *Adenoid*.

363. Hoarse. 3 hr.; 3 cr :

Prereq.: One course in Latin beyond 204 or permission of department. Intensive study of the *Odes and Epodes* of Horace.

364. Tacitus. 3 hr.; 3 cr :

Prereq.: One course in Latin beyond 204 or permission of department.

365. Ovid. 3 hr.; 3 cr :

Prereq.: One course in Latin beyond 204 or permission of department.

366. Lucretius. 3 hr.; 3 cr :

Prereq.: One course in Latin beyond 204 or permission of department.

MODERN GREEK

Advising in Department Office

The department offers courses in Modern Greek language and literature. The basic program of instruction in the language seeks to prepare students in the four language skills of listening comprehension, speaking, reading, and writing. The advanced language courses give students more practice in reading and writing Modern Greek and an introduction to Greek authors and culture. The introductory and advanced literature courses offer a broad range of reading in Modern Greek authors. The Modern Greek literature courses in translation are intended for those who have little or no knowledge of the language.

The Major in Byzantine and Modern Greek Studies

While there is no departmental major, the major in Byzantine and Modern Greek Studies (see page 91) has a Greek language requirement, and courses in Modern Greek literature may be used as part of a specialization within that program.

The Minor

The minor in Modern Greek language and literature consists of 15 credits above Greek 102 and includes at least one course on the level of 321 and above. Greek 211 may not be included in the minor.

Course Placement

Greek 101 is intended for students who have virtually no knowledge of Greek *or* reading/writing ability. Greek 102 is intended for students who have had less than two years of grammar school (*demotiko*) in Greece, or less than three years in a Greek-American elementary school. Students with two to four years of grammar school in Greece, or up to one year of Greek in an American high school, normally begin with Greek 203; those with up to five years of grammar school in Greece, or two years of Greek in an American high school, normally begin with Greek 204. Greek 305 is intended for students who have completed grammar school in Greece, or two to three years of Greek in an American high school. Greek 306 is intended for students who have completed junior high school (*gymnasio*) in Greece, or at least three years of Greek in an American high school.

Graduates of Greek high schools (*like* or *techniko*) may enroll *only* in Greek 315 and 320 and above. Students in doubt about placement should consult the Coordinator for Modern Greek.

Courses in Modern Greek

COURSES TAUGHT IN ENGLISH

150. Modern Greek Literature in Translation. 3 hr.; 3 cr :

Surveys modern Greek literature (in translation) from the middle of the nineteenth century to the present. The authors and their works are examined not only for their individual stylistic and thematic elements but also within the context of European literary and cultural movements.**

BASIC LANGUAGE COURSES

101. Elementary Modern Greek I. 4 hr.; 4 cr :

Prereq.: Permission of department or instructor.

A course in basic vocabulary, grammar, and syntax. Training in reading and writing, but emphasis on oral-aural practice. Intended for students with no previous knowledge of Modern Greek. Fall

102. Elementary Modern Greek II. 4 hr.; 4 cr :

Prereq.: Greek 101 or equivalent. A continuation of Greek 101. Spring

203. Intermediate Modern Greek 1.3 hr.; 3 cr :

Prereq.: Greek 102 or equivalent. Further development of audio-lingual skills and study of essential grammar with emphasis on reading and writing. Fall

204. Intermediate Modern Greek 11. 3 hr.; 3 cr :

Prereq.: Greek 203 or equivalent. A continuation of Modern Greek 203. Emphasis on reading and writing. Easy selections from prose and poetry. Spring

211. Modern Greek Conversation. 3 hr.; 3 cr :

Prereq.: Greek 102 or equivalent and permission of department. Intended for students who have an elementary knowledge of Greek and wish to improve their ability to converse. Recommended especially for students in Greek 203 or 204 who come from homes where Greek is not spoken.**

ADVANCED LANGUAGE AND LITERATURE COURSES

305. Modern Greek Literature I. 3 hr.; 3 cr :

Prereq.: Greek 204 or equivalent. A course designed to improve the literary vocabulary and writing skills of students by a close reading of one or more twentieth-century prose works, such as Politis, *The Lemon Grove*; Tachtsis, *The Third Wedding*; Theotokas, *Leonis*, Venezis, *Aeolian Land*; and a selection of short stories. Fall

306. Modern Greek Literature II. 3 hr.; 3 cr :

Prereq.: Greek 305 or equivalent. An introduction to the principal genres of nineteenth- and twentieth-century Greek literature. Selections will be read from lyric and narrative poetry, the novel, short stories, drama, and essays. Spring

315. Writing about Literature: Theory and Practice. 3 hr.; 3 cr :

Prereq.: Greek 306 or Greek high-school diploma or special permission. Designed to introduce students to various critical approaches to literature, and to give them practice in writing analyses of literary works, both poetry and prose. Readings from a selection of Greek writers and literary critics. Recommended for students taking literature courses.**

321. Survey of Modern Greek Literature 1: Eighteenth Century to 1880. 3 hr.; 3 cr :

Prereq.: Greek 306 or Greek high-school diploma or special permission.
Prose and especially poetry from the period of the Greek Enlightenment and of Romanticism, with attention to the social, cultural, and political changes that affected that literature. Topics to be discussed will include the theories of Korais. Classic as opposed to Romantic, the influence of folk poetry, and the rise of the Greek novel. Readings from the works of Solomon and the Heptanesian poets, Vikelas's *Loukis Laras*, and Makfiyannis's *Memoirs*.**

322. Survey of Modern Greek Literature II: 1880 to 1930. 3 hr.; 3 cr :

Prereq.: Greek 306 or Greek high-school diploma or special permission. A study of the major writers of the period, with emphasis on the poetry of Palareas, Cavafy, and Sikelianos and regionalist prose writers such as Papadiamantis and Karkavitsas. Discussion of European literary movements such as Realism, Naturalism, and Symbolism and their manifestations in Greece.**

323. Survey of Modern Greek Literature III: 1930 to Present. 3 hr.; 3 cr :

Prereq.: Greek 306 or Greek high-school diploma or special permission.
A study of the principal modern writers with selected readings from among the following: Seferis, Elytis, Ritsos, Kazantzakis, Venezis and the "generation of the 30s," and contemporary novelists. Discussion of the European and Greek setting that gave rise to Symbolism, Modernism, Surrealism, and ideological literature.**

330. Early Modern Greek Literature: Fourteenth to Seventeenth Century. 3 hr.; 3 cr :

Prereq.: Greek 321 or 322 or 323 or Greek high-school diploma or special permission.
A survey from the last days of Byzantium through the period of the Renaissance. Topics to be discussed will include the nature of oral poetry and folk song, the flowering of Cretan literature, the literary genre of the romance. Selections will be read from such works as *Bigenis Akritis*, *Erotokritos*, *Erofili*, and Cypriot lyric poetry.**

335. Modern Greek Poets. 3 hr.; 3 cr :

Prereq.: Greek 321 or 322 or 323 or Greek high-school diploma or special permission.
Intensive study of two or three major poets such as Palamas, Sikelianos, Cavafy, Seferis, Elytis, Ritsos.

HEBREW

Coordinator and Adviser. Jerome Acker

The department offers courses in the Hebrew language, Hebrew literature, and Biblical Aramaic. The basic program of instruction in the language seeks to prepare students in the four language skills of listening comprehension, speaking, reading, and writing, and to prepare them to understand and appreciate the literature and civilization of the Jewish people. Upon completion of the basic courses, students are expected to have a practical command of the language they have studied. Elective courses consist of both linguistic and literary studies of a more advanced and specialized nature. Hebrew is used to a large extent as the classroom language in most courses at the elective level.

The Major

Majors are required to take a minimum of 36 credits in Hebrew beyond Hebrew 204. As part of the 36 credits, the following courses are required: Hebrew 305, 307, 311, 315; one course in Biblical literature (321-332); one course in medieval Hebrew literature (345-346); and one course in modern and contemporary Hebrew literature (351-357). At least four of these courses must be taken at Queens. In addition, Hebrew majors are strongly advised to take courses in Arabic, Yiddish language and literature, and Jewish history.

To be graduated with a major in Hebrew, students must attain a C average in the courses composing their major.

The Minor

The minor in Hebrew consists of 18 credits in Hebrew beyond 102. For details, please consult the Coordinator or the Chair. At least three of these courses must be taken at Queens.

Study Abroad

Study in Israel can give the student a deeper and more extensive knowledge of the Hebrew language and its literature and culture than is normally possible in an academic setting. The department encourages study abroad, and grants varying credit toward the major and toward the degree at Queens College, depending on the nature of the course of study. A matriculated student should consult the Coordinator before taking courses abroad.

Course Placement

Students who have had less than one year of high-school Hebrew normally begin with course 101; those with less than two years normally begin with course 102; those who completed the requirements for the New York State Regents Examination in Hebrew (3 years) with a grade of at least 85 should enter course 305 or 307.

All others, including native speakers and students who attended Hebrew Day Schools or Yeshivot, should consult the department for correct placement.

Courses in Hebrew

COURSES TAUGHT IN ENGLISH

150. Modern Hebrew Literature in Translation. 3 hr.; 3 cr :

Readings in modern Hebrew literature in translation. The authors to be read vary from semester to semester, announced in advance. May be repeated for credit provided the content is not the same.

155. Sephardic Literature in Translation. 3hr.;3cr.

The class will explore cultural, political, and social implications of works by Sephardic writers both in Israel and the Diaspora. Readings in English translation of the literature of Sephardic and Middle Eastern Jews from the late nineteenth century to the present.

160. Masterpieces of Hebrew Literature in Translation. 3 hr.; 3 cr :

Readings in English translation of outstanding works in Hebrew literature from the Bible to the modern period, illustrating a variety of genres and themes.

190. Topics in Hebrew Culture and Literature in Translation. 3 hr.; 3 cr :

Specific topics will be announced in advance. May be taken for credit more than once if the topic is different.**

BASIC LANGUAGE COURSES

101. Elementary Hebrew I. 4 hr.; 4 cr :

A beginner's course in modern Hebrew. Fall, Spring

102. Elementary Hebrew II. 4 hr.; 4 cr :

Prereq.: Hebrew 101 or equivalent. Fall, Spring

203. Intermediate Hebrew I. 3 hr.; 3 cr.

Prereq.: Hebrew 102 or equivalent. A continuation of Hebrew 102. Fall, Spring

204. Intermediate Hebrew II. 3 hr.; 3 cr :

Prereq.: Hebrew 203 or equivalent. A continuation of Hebrew 203. Fall, Spring

ADVANCED LANGUAGE COURSES**305. Advanced Modern Hebrew. 3 hr.; 3 cr :**

Prereq.: Hebrew 204. A study of modern Hebrew texts to improve the students' command of the language and to develop an appreciation of modern literature. For students who have completed two years of college-level study (or equivalent) in a general Hebrew course or who have attained a reading knowledge of Biblical or Rabbinic Hebrew without practice in modern literature.,

307. Classical Hebrew. 3 hr.; 3 cr.

Prereq.: Hebrew 204. An introduction to Hebrew of Biblical and Rabbinic texts. For students who have completed two years of college-level study (or equivalent) in a general Hebrew course or who have attained proficiency in modern Hebrew without practice in earlier texts.

311. Hebrew Conversation. 3 hr.; 3 cr :

Prereq.: Hebrew 204 and permission of instructor. ?

315. Hebrew Grammar and Composition. 3 hr.; 3 cr :

Prereq.: Hebrew 204 or equivalent. A thorough review of Hebrew grammar and usage with systematic practice in composition.

317. Skills and Art of Translation. 3 hr.; 3 cr :

Prereq.: Hebrew 204 (or equivalent) and English 120. Discussion of the techniques and problems of translation with extensive practice in translating various texts. This course will enable the Hebrew student to understand the unique structure and idiomatic usage of Hebrew in comparison to English. May be taken by fluent speakers of either language.

ELECTIVE COURSES IN LITERATURE**321. Biblical Literature I: Genesis. 3 hr.; 3 cr :**

Prereq.: Hebrew 307.

322. Biblical Literature II: Exodus. 3 hr.; 3 cr :

Prereq.: Hebrew 307.

323. Biblical Literature III: Leviticus/Numbers. 3 hr.; 3 cr :

Prereq.: Hebrew 307.

324. Biblical Literature IV: Deuteronomy. 3 hr.; 3 cr :

Prereq.: Hebrew 307.

325. Biblical Literature V: Joshua and Judges. 3 hr.; 3 cr :

Prereq.: Hebrew 307.

326. Biblical Literature VI Samuel I and II. 3 hr.; 3 cr :

Prereq.: Hebrew 307.

327. Biblical Literature VII: Kings I and II. 3 hr.; 3 cr :

Prereq.: Hebrew 307.

328. Biblical Literature VIII: Major Prophets. 3 hr.; 3 cr :

Prereq.: Hebrew 307.

329. Biblical Literature IX: Minor Prophets. 3 hr.; 3 cr :

Prereq.: Hebrew 307.,?

330. Biblical Literature X: Megillot. 3 hr.; 3 cr :

Prereq.: Hebrew 307.

331. Biblical Literature XI: Psalms. 3 hr.; 3 cr :

Prereq.: Hebrew 307.

332. Biblical Literature XII: Wisdom Literature. 3 hr.; 3 cr :

Prereq.: Hebrew 307.

335. Biblical Aramaic: Daniel and Ezra. 3 hr.; 3 cr :

Prereq.: One course in Biblical literature. Introduction to the Aramaic texts found in the Hebrew Bible.

340. Talmudic Literature. 3 hr.; 3 cr :

Prereq.: Hebrew 307 or equivalent. A study of the content, method, and linguistic characteristics of a tractate of the Talmud. Attention is given to the historical development and characteristics of the Mishna and the Gemart.

341. Midrash and Aggada. 3 hr.; 3 cr :

Prereq.: Hebrew 307 or equivalent. An introduction to the content and methods of Midrash and Aggada through a survey of selected Midrashim.

345. Medieval Literature 1. 3 hr.; 3 cr :

Prereq.: Hebrew 307. Readings in the secular and liturgical poetry of the Middle Ages, particularly of the "Golden Age" in Spain.

346. Medieval Literature II. 3 hr.; 3 cr :

Prereq.: Hebrew 307. Readings in philosophy, ethics, history, and Biblical exegesis. Special attention to the works of Judah Ha-Levi, Maimonides, and Nahmanides.

351. Modern Hebrew Drama. 3 hr.; 3 cr :

Prereq.: Hebrew 305.

352. Modern Hebrew Poetry I. 3 hr.; 3 cr :

Prereq.: Hebrew 305.

353. Modern Hebrew Poetry II. 3 hr.; 3 cr :

Prereq.: Hebrew 305.,?

354. The Modern Hebrew Essay. 3 hr.; 3 cr :

Prereq.: Hebrew 305.

356. Contemporary Israeli Literature I. 3 hr.; 3 cr :

Prereq.: Hebrew 305.

357. Contemporary Israeli Literature II. 3 hr.; 3 cr :

Prereq.: Hebrew 305.,?

358. The Modern Hebrew Press. 3 hr.; 3 cr :

Prereq.: Permission of instructor. Readings, translation, and discussion of selections from contemporary Hebrew newspapers, periodicals, and journals of opinion: news, stories, articles, reviews, and criticism. May be repeated once for credit.

361. History of the Hebrew Language. 3 hr.; 3 cr :

Prereq.: One course in Biblical literature. A detailed study of the phonology and morphology of the Hebrew language from the point of view of its historical development and its relation to other Semitic languages, especially Akkadian, Arabic, and Aramaic.

362. Hebrew Root Studies. 3 hr.; 3 cr :

Prereq.: One course in Biblical literature.

390. Studies in Language, Literature, and Culture. 390.1-390.3. 1-3 hr.; 1-3 cr.

Prereq.: Varies with topic. An advanced course in Hebrew. Topic will vary and will be announced in advance. May be taken more than once if the topic is different.

TRANSLATION STUDIES

Students interested in obtaining a letter of achievement attesting to translation skills in Modern Greek or Hebrew must complete four additional courses in Translation Studies. See page 204, Translation Studies, for details.

YIDDISH

Coordinator and Adviser: Emanuel S. Goldsmith

The department offers courses in Yiddish language, literature, and culture, including courses in English translation. The courses in Yiddish language aim to develop students' ability to read, write, comprehend, and speak Yiddish. These courses also introduce students to the history of the Yiddish language and its literature and to major themes of the Jewish experience. The literature and culture courses, some of which are offered in English, seek to deepen students' knowledge of those significant aspects of Jewish civilization which, during the past thousand years, found expression in the Yiddish language. Advanced courses are intended for students with interest in Yiddish teaching, scholarship, and journalism, as well as for those interested in other Jewish studies, including Hebrew language and literature, Jewish history, Jewish thought, and the sociology of the Jewish community. Students are encouraged to partake of the rich Yiddish cultural life of New York City and to participate in the program of the Yiddish Culture Club at Queens College.

The Major

Students majoring in Yiddish must complete 36 credits beyond Yiddish 204, of which 18 must be in courses numbered above 300. They should complete Yiddish 203 before taking courses in Yiddish literature conducted in the Yiddish language. Majors are strongly urged to take additional courses in Hebrew language and literature as well as courses in the Jewish experience offered by other departments.

The Minor

The minor in Yiddish consists of 18 credits in Yiddish beyond Yiddish 102. The student may choose language courses or literature and culture courses, including those offered in English.

Study Abroad

The department encourages and offers credit for Yiddish studies pursued at accredited institutions of learning in Europe and Israel.

Course Placement

Students who already have a background in Yiddish should consult the Coordinator for correct placement.

Courses in Yiddish

COURSES TAUGHT IN ENGLISH

140. History of the Yiddish Language. 3 hr.; 3 cr :

A study of the origins of Yiddish and of its development to the present day.**

150. Introduction to Yiddish Literature. 3 hr.; 3 cr :

A survey of Yiddish literature from its beginnings in the fifteenth century to the contemporary short story, novel, essay, and poem. Yiddish literature will be presented both within the context of world literature and as an aspect of the Jewish experience. Fall, Spring

154. Yiddish Drama. 3 hr.; 3 cr :

The major Yiddish dramatists in Eastern Europe, the Western Hemisphere, and Israel.**

156. Jewish Thought and Modern Yiddish Literature. 3 hr.; 3 cr :

The influence on modern Yiddish literature of the major Jewish ideologies in Eastern Europe and in the West. The course will explore the expressions in Yiddish literature of various intellectual currents from the Haskalah to the present.**

161. The Culture of East European Jewry. 3 hr.; 3 cr :

An introduction to East European Jewish civilization from the sixteenth century to the Holocaust. Topics discussed include: origins of East European Jewry, the traditional life-style, Yiddish language and literature, Hassidism, Haskalah, origins of modern Hebrew literature, the Mussar Movement, Jewish socialism, and Zionism.,

162. Jews in the Soviet Union, 1917 to the Present. 3 hr.; 3 cr :

The reflection in Yiddish literature of Jewish life and culture under the Soviets.**

167. The Development of Yiddish Culture in the United States. 3 hr.; 3 cr :

The growth of the Yiddish press, literature, theatre, education, and cultural institutions 1880 to the present.**

172. Hassidism and Jewish Mysticism. 3 hr.; 3 cr :

Hassidism and its influence, including the sources of Jewish mysticism in the Bible and the Talmud; Hassidism as folk mysticism; Hassidic motifs in modern Yiddish and Hebrew literature.**

174. The East Side in American Literature in Yiddish and in English. 3 hr.; 3 cr :

The old East Side as fact and metaphor in American and Jewish life. The course will examine the quality of the literature in the portrayal of the social, economic, cultural, and personal problems of immigration, acculturation, and assimilation as depicted by two generations of Jewish writers and by their nonJewish contemporaries.

176. The Literature of the Holocaust. 3 hr.; 3 cr.

The experiences of European Jewry during the Second World War and the years leading up to it as reflected in Yiddish literature. The course will explore such topics as genocide, ghetto life, concentration camps, Jewish resistance and escape, the response of the Western world and the Soviet Union.**

190. Topics in Yiddish Culture and Literature In Translation. 190.1-190.3. 1-3 hr.; 1-3 cr.

Specific topics will be announced in advance. Course may be taken for credit more than once if the topic is different.**

BASIC LANGUAGE COURSES

101. Elementary Yiddish I. 4 hr.; 4 cr :

For students with no previous knowledge of Yiddish; the elements of Yiddish grammar, aural comprehension, speaking, reading, and writing. The course also serves as an introduction to the culture of the Yiddish-speaking world. Fall

102. Elementary Yiddish 11.4 hr.; 4 cr :

Prereq.: Yiddish 101 or equivalent. A continuation of the work in Yiddish grammar, comprehension, speaking, reading, writing, and the study of Yiddish culture. Spring

203. Intermediate Yiddish I. 3 hr.; 3 cr :

Prereq.: Yiddish 102 or equivalent. Reading and interpretation of literature, writing, speaking, aural comprehension. Outside reading in Yiddish and in English will introduce the student to some of the major figures in Yiddish literature. Fall

204. Intermediate Yiddish 11.3 hr.; 3 cr :

Prereq.: Yiddish 203 or equivalent. Readings in modern Yiddish literature. Outside reading in Yiddish and in English will further introduce the student to the major figures in Yiddish literature. Yiddish 203 and 204 serve not only to train students in language, but also to acquaint them with some of the major Yiddish writers. Spring

210. Intermediate Conversational Yiddish. 3 hr.; 3 cr :

Prereq.: Yiddish 102 or permission of instructor.,,

ADVANCED LANGUAGE AND LITERATURE COURSES

305. Advanced Yiddish. 3 hr.; 3 cr :

Prereq.: Yiddish 204 or equivalent. Readings in Yiddish fiction. The student is expected to be fluent in reading and writing Yiddish. Students will be expected to do substantial reading and to submit critical writing.**

330. Yiddish Literature from Its Beginnings to Mendele. 3 hr.; 3 cr :

Prereq.: Yiddish 203. The course will examine such major works of early Yiddish literature as the *Bore Bukh*, *Mayse Bukh*, and *Shmuel Bukh*; the *Tales of Reb Nakhman Braslever*; the *Tsene*

Urene; the Memoirs of Glikl of Harnelin; and such writers of the Haskalah as Aksenfeld, Ettinger, and Dick.4',

331. Mendele and His Contemporaries. 3 hr.; 3 cr :

Prereq.: Yiddish 203. A study of East-European Yiddish literature from 1865 to 1885, including major works of Mendele Mokher Sforim and such of his contemporaries such as Linetski, Dineson, Spector, Y.L. Gordon, M. Gordon, and Shomer.

332. Peretz, Sholom Aleichem, and Their Contemporaries. 3 hr.; 3 cr :

Prereq.: Yiddish 203. A study of East-European Yiddish literature from 1885 to 1927, with emphasis on the works of Peretz, Sholom Aleichem, and Bialik.

336. Soviet Yiddish Literature. 3 hr.; 3 cr :

Prereq.: Yiddish 203. A study of such major Soviet Yiddish writers as Bergelson, Der Nister, Kvitko, Hofshiteyn, Markish, Kulbak, Khank, Fefer.

338. Polish and Rumanian Yiddish Literature, 1917 to the Present. 3 hr.; 3 cr :

Prereq.: Yiddish 203. A study of the major East-European Yiddish writers outside the Soviet Union. The course will treat such writers as Manger, Ravitch, Greenberg, and other members of the Khalyastre: Vaysenberg, Varshavsky, I.J. Trunk, Segalovitch, Shteynberg.

340. American Yiddish Literature, 1880-1915. 3 hr.; 3 cr :

Prereq.: Yiddish 203. The course will examine such writers as Rosenfeld, Bovshover, Edelstat, Vinchevsky, Liessin, Yehoash, Pinski, Reisen, Kobrin, and Libin.

341. American Yiddish Literature, 1915 to the Present. 3 hr.; 3 cr :

Prereq.: Yiddish 203. The course will examine the major Yiddish poets, novelists, critics, and dramatists of the period, in the United States, Canada, and South America.

345. Yiddish Literature in Israel since World War II. 3 hr.; 3 cr :

Prereq.: Yiddish 203. A study of such writers as Sutskever, Berkovitch, Papyernikof, Man, Shpigel, Fuks, Hofer, Heler.

352. The Yiddish Theatre in Eastern Europe. 3 hr.; 3 cr.

Prereq.: Yiddish 203. The development of the Yiddish theatre in Eastern Europe from 1876 to the present.

353. The Yiddish Theatre in the United States. 3 hr.; 3 cr :

Prereq.: Yiddish 203. The development of the Yiddish theatre in the United States from 1890 to the present.

355. Yiddish Historical Fiction and Drama. 3 hr.; 3 cr :

Prereq.: Yiddish 203. A study of the reflection in Yiddish and related literature of major movements and issues of Jewish history.

356. The Yiddish Novel in the Twentieth Century. 3 hr.; 3 cr :

Prereq.: Yiddish 203. A study of the major fiction of such novelists as Asch, Bergelson, Opatoshu, Shneur, I.J. Singer, and I.B. Singer.

357. Yiddish Poetry in the Twentieth Century. 3 hr.; 3 cr :

Prereq.: Yiddish 203. The course will survey the major figures and movements in modern Yiddish poetry in Eastern Europe, the Western Hemisphere, and Israel.

390. Studies in Yiddish Language, Literature, and Culture. 390.1-390.3. 1-3 hr.; 1-3 cr.

Prereq.: Yiddish 203. Specific topics will be announced in advance. The course will be given in Yiddish. May be taken more than once if the topic is different.

COMMUNICATION ARTS AND SCIENCES

Chair: Helen Smith Cairns

Deputy Chair and Chair, Undergraduate Studies Committee: John B. Haney

Coordinator, Graduate Programs in Speech/Language Pathology and Audiology: Robert Rosenbaum

Coordinator, Graduate Program in Media Studies: Jonathan Buchsbaum

Dept. Office: 203C G Building, 520-7350

Professors: Cairns, Gelland, Halpern, Haney, Liebman, Rosenfield, Stark;

Associate Professors: Buchsbaum, Burgess, Grossman, Hill, Roach, Sreberny-Mohammadi;

Assistant Professors: Geller, Gerber, Gonder, Kraat, Mazor, Rosenbaum;

Instructor: Punzi;

Lecturers: Rembert, Schneider;

College Laboratory Technicians: Cicali, Sun;

Department Secretary: Sapienza

Queens College Speech - Language - Hearing Center

Director: Stark;

Associate Director: Rosenbaum;

Coordinator of Audiology: Mazor;

Speech and Hearing Staff: Adams, Chin, Geller, Gerber, Kelly, Kraat, Ponzi, Schneider, Zubach;

Center Secretary: Kroll

Courses in communication arts and sciences direct the student toward a better understanding of self and society through the study of communication processes, content, and media. They assist in preparing the student for professions that require both a theoretical and technical knowledge of communication, such as education, the law, government service, the ministry, advertising and public relations, social services, industrial communications, and the arts. A major in the department encourages the student to view communication as a unity while allowing a concentration in subjects and areas of special personal interest.

Areas of Study

The Department of Communication Arts and Sciences offers work in two major areas of study, as well as programs for joint majors. Students may also create special courses of study (see below).

Communication - Sciences and Disorders

This is the study, habitation, and rehabilitation of children and adults with disorders of speech, hearing, and language. Includes pre-professional coursework for students who wish to undertake graduate programs leading to careers as speech language pathologists and audiologists. Students have the opportunity to observe clinical practice in the Queens College Speech - Language - Hearing Center. The program also introduces basic speech and hearing science and its research methods in preparation for graduate study in such areas as acoustic phonetics, psychological and physical acoustics, and psycho linguistics.

Communication - Arts and Media Designed to provide a comprehensive understanding of the substance and form of message variables in a variety of communications systems, including speech, film, radio, and television. Students are introduced to rhetorical, research-oriented, and aesthetic approaches. Theory and research courses are supplemented by basic-level courses in film, radio, and television production. Students may also elect a limited number of credits in internship programs at major corporate and public institutions in the greater New York area.

Major Standing

To enter a major program, the student must file an Application for Major Standing, available in the department office. Applications must be filed during the first weeks of each semester, or before the completion of department preregistration in any semester.

To maintain major standing after filing, the student must pursue the elected major program, with approval of his or her major adviser, during department preregistration each semester. The major program must receive formal approval for graduation during the student's final semester in residence.

Freshmen who intend to be CAS majors are advised to elect department core courses (see below) during the freshman year and to file for major standing no earlier than the latter half of the first semester in residence.

Preregistration

To insure places in selected CAS courses, declared majors should take advantage of the department preregistration period; this takes place some time between the fourth and eighth week of each semester. Students should watch department and campus bulletin boards and newspapers for details of the preregistration calendar each semester. Only students who have declared themselves in previous semesters, or during the first weeks of the semester in question, will be permitted to pre register.

The Major

A major in communication arts and sciences consists of not fewer than 39 nor more than 45 credits. Every major must take indicated credits from the selected program.

Communication - Sciences and Disorders

- A. Program Core: CAS 101 and 106 and one course from: CAS 102, 103, 104, 105.
 B. CAS 107, 207, 208,210, 283,309, 320, 321,330; Psychology 224 or 229 (or Education 221 and 222 or Education 216 and 218); and two courses from CAS 108, 116, 173, 331,339.

Certification

Preparation for professional work in Communication Disorders requires completion of a master's degree. Satisfying the requirements for the American Speech and Hearing Association's Certificate of Clinical Competence in Speech-Language Pathology or Audiology provides the strongest preparation for professional work in this area and the widest flexibility for future employment. Certification by the American Speech, Language and Hearing Association requires a minimum of one year of graduate study, a specified number of clock hours of supervised clinical practice, a year of employment experience, and passing of a national examination. Students should consult advisers in order to plan programs of study that will lead toward eventual certification by the national professional association.

Communication - Arts and Media

Required: CAS 102 and 147.

Level One

One course from CAS 101,103, 104, 105, 106, 110.

Level Two

1. Historical Foundations. One course from: CAS 143, 144, 246, 250.
2. Critical Foundations. One course: CAS 244 or 258.
3. Foundations of Performance and Production. One course from: CAS 160, 242, 245,248,249, 251,252.

Level Three

1. Four courses from among the following (three courses must be 300 level): CAS 243, 257, 259, 300, 303,340, 341, 342, 343, 344, 345,346, 347, 348, 349, 350, 351,352, 353, 354, 357, 370, 371,381,382, 384, and 392.3 (3 credits only). (*May take only two of these for major credit.)
2. Electives selected from all departmental offerings to total 9 credits including three credits of CAS 392 Internship.

Special Studies

Each area of major study offers a Special Studies Track designed to give a student the flexibility to develop a meaningful program within the discipline that is not available as a standard course of study. The following requirements must be met by any student who wants to pursue a Special Studies Track:

1. The applicant must have at least upper sophomore standing (junior when the track is begun).
2. No student will be admitted before the completion of at least one of the program cores with an index of 3.2; a student may, however, apply for admission during the semester in which he or she is completing a program core.

3. Each applicant must submit to a faculty committee - consisting of at least two members holding professorial rank a plan of study comprising a sequence of 15-18 credits of upper level courses, together with a statement justifying the plan.
4. The written plan of study and its justification, beating the written approval of the faculty committee, must be submitted to, and approved by, the Undergraduate Studies Committee, *before the student begins the 15-18 credit sequence.*
5. The 15-18 credit program must include a 3-credit senior tutorial administered by the faculty committee. No more than one tutorial may be included in the approved program.

Pre-journalism

Queens College does not offer a major in journalism but does offer a minor (see page 158). Students interested in postgraduate training or careers in journalism and publishing are urged to major in English, history, political science, communication arts and sciences, or one of the other liberal arts disciplines, and to acquire as broadly based an education outside their major as they can. They can acquire some valuable experience while working for the campus press as an extracurricular activity, and in journalism and publishing internships sponsored by the Departments of English and Communication Arts and Sciences.

The following courses may be of interest to pre-journalism students:

English 220. Introduction to Editing
 English 225. Newspaper and Article Writing
 English 303. Essay Workshop
 Sociology 218. Mass Communication and Popular Culture
 CAS 102. Introduction to Media
 CAS 109. Freedom of Speech
 CAS 242. Television Production I
 CAS 243. Television Production II
 CAS 244. Media Analysis and Criticism
 CAS 266. Electronic Print and the Publishing Industry
 CAS 345. Media Information Systems
 CAS 347. Comparative Media Systems
 CAS 357. Media, Law, and Ethics

An interdisciplinary advisory committee for pre-journalism students has been set up with representatives from the English, CAS, and Sociology Departments. Students may consult any of these departments for referral to counseling on professional schools and careers.

Joint Majors

Communication - Political Science

This program is designed for students whose interests are in law, public affairs, international communication, and political reporting.

A. Communication Arts and Sciences Requirements

1. CAS 110.
2. Four courses in the department from among the following: CAS 109, 153, 254, 256, 259, 345, 347, 350, 351.
3. One course from among the following: 352, 353, 354, 356 or 357.

B. Political Science Requirements

1. Four courses in the department: three from among Political Science 101, 102, 103, 104, and 105; and a seminar numbered in the 80s.
2. Six hours of elective courses in political science.

C. Social Science Requirements Not less than 14 credits must be taken in the Division of the Social Sciences, in addition to the courses in political science here listed.

Communication - Linguistics

36 credits as follows:

CAS 101, 207, 210, 309,
 Linguistics 101, 102, 310, 320;
 CAS 106 or Linguistics 240;
 CAS 107 or Linguistics 110;
 CAS 108 or Linguistics 205 or 206;
 CAS 315 or one of the following electives:

CAS 257, 306,
Linguistics 203, 204, 399.

Drama, Theatre, and Dance - Mass Communications

1. Drama 100, 231, 111, or 115; one of the following: Drama 201, 202, 203, 204; plus six credits from the drama and theatre curriculum (18 credits).
2. Mass Communications: 18 credits of CAS courses as follows:
 - a. CAS 102 and 147
 - b. two courses from CAS 143, 144, 241, 242, 243, 245, 249
 - c. two courses from CAS 244, 265, 341, 342, 343, 344, 346, 347, 348, 349
3. Plus one other course from another area in the CAS Department

The Minor in Arts and Media

The minor consists of 21 credits forming a coherent course of study.

The minor in Arts and Media requires careful planning. A student wishing to take this minor must file a minor concentration form before completing 6 credits of the CAS courses comprising the program. The courses will be distributed as follows:

CAS 102 and 147, plus one course from Level One of the Arts and Media Major and one course from each of the three areas of Level Two, plus one additional course. At least three of the courses must be at the 200- level or above.

Courses

101. Introduction to Psycho linguistics. 3 hr.; 3 cr.

Linguistic and psychological processes underlying communication. Fall, Spring

102. Introduction to Media. 3 hr.; 3 cr :

Relations among media, environment, and the self, with attention to effects of various media on views of contemporary issues. Fall, Spring

103. Introduction to Interpersonal Communication. 3 hr.; 3 cr :

Basic concepts and processes of human communication with special emphasis on the role of individual factors in group interaction. Theoretical and experiential consideration of such topics as communication models, verbal and nonverbal codes, perception, and self-concept. Fall, Spring

104. The Role of Rhetoric In American Society. 3 hr.; 3 cr :

Analysis of the role of rhetoric in creating and resolving public problems through various media. MAT charge, \$2. Fall, Spring

105. Communication as Symbolic Action. 3 hr.; 3 cr :

An introductory analysis of symbols and symbol systems and their impact on communication, conflict, and culture. Fall, Spring

106. Introduction 10 Communication Disorders. 3 hr.; 3 cr :

The nature of communication disorders in children and adults, including the effects of sensory and physical impairments in speech, language, and hearing functions. Fall, Spring

Other courses recommended for freshmen and sophomores, without prerequisite, are CAS 109, 110, 143, 144, and 160.

59. Forensics. 3 hr.; 1 cr :

Prereq.: Admission to course by permission of instructor. A participation course. Students are coached individually and introduced to a wide variety of forensic activities: public speaking, oral interpretation of literature, and intercollegiate debate. May be repeated for up to 3 credits. Fall, Spring

Note: English 95 or its equivalent is the minimum corequisite for all courses (see pp. 38, 124). +- offered *either* Fall or Spring; see *Class Schedule* +- may be offered; see *Class Schedule*

107. Phonetics of the English Language. 3 hr.; 3 cr :

Study of American contemporary speech through phonetic analysis; principles of linguistic change applied to English; practice in broad and narrow phonetic transcription. Fall, Spring

108. Introduction to Sociolinguistics. 3 hr.; 3 cr :

The interaction of language usage and the social organization of behavior in a pluralistic society.,

110. Introduction to Political Communication. 3 hr.; 3 cr :

A survey of the major approaches to American, comparative, and international political communication. Covers such topics as the language of politics, communication in political decision making, the rhetoric of politics, mass communication, and political behavior. Fall, Spring

116. Communication in the Elementary School. 3 hr.; 3 cr :

Cognitive and communicative processes in children, with a view to application in classroom methods, techniques, and materials. Fall, Spring

143. History of the Cinema 1:1880 to 1930. 4 hr.; 3 cr :

Survey of the motion picture from its inception to 1930. Development of the cinema as both a distinctive medium of communication and an art form. Significant films are viewed and discussed. MAT charge, \$7. Fall

144. History of the Cinema 11:1 930 to the Present. 4 hr.; 3 cr :

Development of the cinema since 1930. MAT charge, \$7. Spring

147. Cinematic and Video Forms: An interdisciplinary Approach. 4 hr.; 3 cr :

An exploration of the aesthetic, social, behavioral, and technical dimensions of film and video technologies. MAT charge, \$7. Fall, Spring

151. Public Speaking. (formerly CAS 251) 3 hr.; 3 cr :

Application of principles of speech preparation to major types of public address; study of selected speeches to illustrate major types; presentation of speeches; policy-forming, professional, social, ceremonial.

160. Introduction 10 Interpretation. 3 hr.; 3 cr.

Relation of the appreciation, analysis, and evaluation of literature to its oral interpretation. Fall, Spring

165. Oral Communication in the Workplace. 3 hr.; 3 cr :

Study of the role of communication as a variable defining, organizing, mediating, and affecting the outcomes of interactions within organizational environments. Introduction to and mastery of basic oral formats and nonverbal communication techniques likely to be useful to a participant in corporate organizations. Some sections of this course will be limited to students enrolled in the Business and Liberal Arts minor.

173. Creative Drama for Children. 3 hr.; 3 cr :

Theories and procedures of children's improvisational drama. Designed for elementary education majors. Fall, Spring

207. Anatomy and Physiology of Speech. 4 hr.; 3 cr :

Coreq.: CAS 107. The neuromuscular systems involving breathing, phonation, resonance, and articulation. Fall, Spring

208. Introduction to Hearing Science. 3 hr.; 3 cr :

Coreq.: CAS 107. The anatomy and physiology of the ear; the psychoacoustics of hearing. Fall, Spring

210. Language Acquisition. 3 hr.; 3 cr :

Prereq.: CAS 101 and 107, Linguistics 102, or permission of department.

The development of language behavior in children with special attention to linguistic and psychosocial correlates. Fall, Spring

240. Multi Image Media. 3 hr.; 3 cr :

Prereq.: CAS 147. Intensive study of the theory, aesthetics, and production of multimedia environments. Offered Summer Session only.

242, 243. TELEVISION PRODUCTION. 242.

Television Production I. 2 lec., 2 lab. hr.; 3 cr :

Prereq.: sophomore standing. Creative processes and techniques of studio television production, including the operation of studio and control-room equipment. Fall, Spring

243. Television Production II. 2 lec., 2 lab. hr.; 3 cr :

Prereq.: CAS 242 or permission of department. A continuation of CAS 242, including production of television in the field. Differences in techniques and styles between studio and field video production are emphasized.

244. Media Analysis and Criticism. 3 hr.; 3 cr.

Prereq.: CAS 102 or 104, or 105 or 110. Methodology of evaluating media through an examination of form and content. Fall, Spring

245. The Script and the Medium. 3 hr. plus conf.; 3 cr :

Prereq.: CAS 102 and 147, or permission of department. Study of shorter forms and format of radio, television, and film writing. Fall, Spring

246. Freedom of Speech. (formerly CAS 109) 3 hr.; 3 cr :

Prereq.: Sophomore standing. Regulation and control of communication through legal restriction, censorship, and self regulation. Fall, Spring

248. Argumentation. (formerly CAS 153) 3 hr.; 3 cr :

Prereq.: Sophomore standing. Analysis of public propositions, accumulation and testing of evidence, formulation and critical evaluation of reasoning, structuring of argument, processes of attack and defense, and effective communication of argument, with an emphasis upon legal and political communication. Fall, Spring

249. Media Performance. 2 lec., 2 lab. hr.; 3 cr.

Prereq.: CAS 151,160, Drama 100 or Drama 121. The development of the performer in radio, television, and film. Fall, Spring

250. History of Broadcasting. 3 hr.; 3 cr :

Prereq.: CAS 102. The history of radio and television broadcasting from the 1920s to the present. Using an interdisciplinary approach, it focuses on broadcasting institutions, issues, research trends, and program format analysis.

252. Small Group Communication. 3 hr.; 3 cr.

Prereq.: CAS 103. Study and illustration of small group communication. Fall, Spring

253. Media and Human Communication. 3 hr.; 3 cr :

Prereq.: CAS 102 and 103. A study of the effects of media technology and media innovation on personal communication. Fall, Spring

254. Communication in Inter group Conflict and Conflict Resolution. 3 hr.; 3 cr :

Prereq.: CAS 103 or 110. Study of the theory of conflict and the theories of conflict resolution, with emphasis on communication as the significant variable in conflicts among groups. Fall, Spring

255. Computer-Human Communication. 3 hr.; 3 cr :

Prereq.: CAS 102. The computer as a medium of communication. Types of computer-human relationships and their social uses and consequences are examined.

256. Presidential Communication. 3 hr.; 3 cr.

Prereq.: Sophomore standing. Critical analysis of the communication systems employed by contemporary presidents from Kennedy to the present.,

257. Nonverbal Communication. 3 hr.; 3 cr :

Prereq.: CAS 103, or permission of department. Non-linguistic behavior and message systems with emphasis on communication by means of spatial relationships (proxemics) and body movement (kinetics) and with attention to communication by means of touch, vocal cues, personal adornment, and objects.,

258. Rhetorical Criticism. 3 hr.; 3 cr :

Prereq.: CAS 102 or 104 or 105 or 110. Study of critical methods based on leading traditional and contemporary theories of rhetoric. Fall, Spring

259. Cultural Factors in Communication. 3 hr.; 3 cr :

Prereq.: CAS 103; sophomore standing. An examination of cultural factors influencing messages and interpersonal behavior, such as roles, stereotypes, prejudices, verbal and nonverbal languages, use and organization of time and space, social structures. Spring

263. Readers' Theatre. 3 hr.; 3 cr :

Prereq.: CAS 160 or Drama 121. The theory and techniques in the communication of literature to an audience from manuscript by a group of readers.

265. Advanced Interpretation: Performance in Communication. 3 hr.; 3 cr :

Prereq.: CAS 160 or permission of department. Exploration of the social and aesthetic dimensions of performance based on the study and presentation of writing of literary merit.

266. Electronic Print and the Publishing Industry. 1 lec., 3 lab. hr.; 3 cr :

Prereq.: CAS 102 or permission of department. A survey of the changing nature and context of print as a medium of communication and an intensive experience with the creative processes and techniques of computerized publishing.

283. Quantitative Methods in Communication. 3 hr.; 3 cr.

Prereq.: Sophomore standing. Quantification of behavior, probability, descriptive statistics, basic measurement, hypothesis testing, confidence intervals, simple analysis of variance, and simple correlation. Fall, Spring

300. Television Field Production. 2 lec., 2 lab. hr.; 3 cr :

Prereq.: CAS 242 and 243, or permission of department. Specific principles and techniques of on-location video production including concept and design, elements of television script writing, camera techniques, lighting, sound, and editing.

301. Media Practicum 1.3 hr.; 1 cr :

Prereq.: The student must have production skills appropriate to the selected project. Students applying for the course must have a faculty sponsor. The student must complete a media production project in film, video, or sound under faculty supervision and sponsorship. CAS 301 and 302 may be repeated for up to 3 credits in any combination.

302. Media Practicum 11. 3 hr.; 1 cr.

Prereq.: Upper junior-senior standing. Appropriate media skills will be required. Admission by permission of the instructor only. The student will apply media production skills in assisting the teaching of CAS media production courses. CAS 301 and 302 may be repeated for up to 3 credits in any combination.

303. Telecommunications: Sound. 2 lec., 2 lab. hr.; 3 cr :

Prereq.: CAS 147 or 242. Creative processes and techniques of sound in radio, television, and film. Fall, Spring

306. Meaning in Speech and Language. 3 hr.; 3 cr :

Prereq.: CAS 101 or permission of department. The relation between expression in speech and language and the content for which it stands.**

309. Introduction to Speech Science. 3 hr.; 3 cr :

Prereq.: CAS 101, 107, 207, and 208, or permission of department.

The acoustical components of speech and their physiological correlates; information-bearing elements in the speech signal and their perceptual processing. Fall, Spring

315. Theoretical and Experimental Psycho linguistics. 3 hr.; 3 cr :

Prereq.: CAS 101 or permission of department. Major theoretical advances and empirical discoveries in selected areas of psycho linguistic inquiry.

320. Disorders of Speech and Language I. 4 hr.; 3 cr :

Prereq.: CAS 107, 207, and 210, or permission of department. Introduction to the etiology, diagnosis, and therapy for speech disorders relating to voice, stuttering, articulation, and delayed speech secondary to emotional problems. Fall, Spring

321. Disorders of Speech and Language II. 4 hr.; 3 cr :

Prereq.: CAS 107, 207, and 210, or permission of department. Introduction to the etiology, diagnosis, and therapy for speech disorders relating to cleft palate, cerebral palsy, aphasia, mental retardation, and delayed speech secondary to brain damage. Fall, Spring

330. Introduction to Audiology I. 3 hr.; 3 cr.

Prereq.: CAS 107, 207, and 208, or permission of department. An introduction to the measurement and evaluation of hearing loss, stressing pure tone audiometry, basic speech audiometry, basic impedance tests, and clinical aspects of masking. An introduction to hearing aids and aural rehabilitation. Fall, Spring

331. Introduction to Audiology II. 3 hr.; 3 cr.

Prereq.: CAS 330. Diagnostic aspects of audiology, stressing site of lesion testing, basic evaluation of vestibular function, advanced speech audiometry, basic central auditory testing, and non-organic hearing loss. Spring

339. Seminar in Communication Disorders. 3 hr.; 3 cr :

Prereq.: CAS 320 or 321; CAS 283, 330; or permission of department. Discussion and evaluation of current issues in speech and language pathology, audiology, and speech and hearing science. Topics to be announced. May be repeated for credit once. Usually offered in Summer.

340. The Comic Form. 4 hr.; 3 cr :

Prereq.: CAS 147 or 143 or 144, or permission of instructor. This course is a study of the comic film from the "Golden Age" of the silent film comedies of Chaplin, Keaton, and Laurel and Hardy to Woody Allen. Topics examined include the nature of comic genres in cinema and television, the nature of film comedy, television comedy, the satire of the Marx Brothers, the "Crazy" comedies of Howard Hawks, and the comic approach of Jean Renoir.

341. Theory of Film. 3 hr.; 3 cr :

Prereq.: CAS 147, and CAS 143 or 144; or permission of department. Comparative study of concepts relating to the art of the film, including a consideration of writings of critics and directors. Fall, Spring

342, 343, 344. STUDIES IN FILM. 3 hr.; 3 cr.

Prereq.: CAS 147, and CAS 143 or 144.

342. Styles of Cinema. An exploration of the three basic styles of cinema - Realism, Expressionism, and Surrealism - using selected films as models for study. MAT charge, \$7. Fall, Spring

343. Documentary in Film and Broadcasting. Study of documentary philosophies and, strategies through an examination of important documentarists, movements, and films. MAT charge, \$7. Fall

344. Italian Cinema from Neo-Realism to the Present. Study of Italian cinema. MAT charge, \$7. Spring

345. Media Information Systems. 3 hr.; 3 cr :

Prereq.: CAS 102 and 104 or 110 or 246. Analysis of information, news, and public affairs presentations transmitted by print and electronic media. Fall, Spring

346. Television Direction. 4 hr.; 3 cr :

Prereq.: CAS 242 and 243, or permission of department. Theory and practice of television direction.,

347. Comparative Media Systems. 3 hr.; 3 cr.

Prereq.: CAS 102 and 104 or 110 or 246. Cross-national comparisons of media systems in different countries, with reference to both print and electronic media. Fall, Spring

348. Advanced Film Production. 4 hr.; 3 cr :

Prereq.: CAS 143 or 144 and 147. Production of cinema forms: documentary, art, Industrial, and educational. (Refundable MAT deposit required, \$1.),

349. Research in Media Production. 3 hr.; 3 cr.

Prereq.: CAS 102 and completion of LASAR Scientific Methodology and Quantitative Reasoning requirement.

An examination of the general nature of media, with special emphasis on the identification, Operational definition, and measurement of production variables.,

350. Persuasion. 3 hr.; 3 cr :

Prereq.: CAS 103 or 110 or 248. The influencing of belief and behavior through speech; emphasis on motivational aspects and their evaluations; theories of attitude, belief, and the value related to communication; the audience as receiver of communication. Fall, Spring

351. Communication and the Legal System. 3 hr.; 3 cr :

Prereq.: Junior standing and CAS 110 Ind 246 or 248. Examination of communication and the legal system, with attention to legal counseling and interviewing, negotiating, advocacy, and use of Media.

352, 353, 354. HISTORICAL STUDIES OF PUBLIC DISCOURSE. 3 hr.; 3 cr :

Prereq.: Junior standing and CAS 102 or 110. Studies of the role of public discourse in political, social, and intellectual life.

352. Discourse of the Classical Period. **

353. American and British Discourse to 1900. **

354. Twentieth-Century Public Discourse.,

357. Media, Law, and Ethics. 3 hr.; 3 cr :

Prereq.: CAS 109. this course is an advanced study of issues and problems arising from legal regulation and ethical considerations of media activities. Such areas as defamation, informational privacy, reporters' rights, shield laws, copyright laws, and the covering of terrorist activities will be explored.

370. Radical Critiques of Mass Communication. 3 hr.; 3 cr :

Prereq.: CAS 102 and 244. Critical examination of radical analyses of mass media, products, and institutions.

371. The Aesthetics of Communication. 3 hr.; 3 cr :

Prereq.: CAS 147 and 244 or 258. Aesthetic aspects of events in communication visual, aural, written, and gestural are explored. Fall, Spring

381. Studies in Communication Arts and Sciences. 3 hr.; 3 cr :

Prereq.: Permission of department. Intensive study in an area of the department; each semester a special subject will be selected; papers involving research will be assigned. May be repeated once for credit providing there is a change in the topic. Fall, Spring

382. Communication Theory. 3 hr.; 3 cr :

Prereq.: CAS 102 and 244 or 258. major theories of human communication: their Formulation, structure, function, and evaluation. +

384. Communication as Experience. 3 hr.; 3 cr :

Prereq.: Junior standing and CAS 103. Examination of the act of communication from an existential point of view, with special attention to the concept of the person and its role in the study and experience of communication.**

391. Special Problems. 1 conf. and 9 hr.; 3 cr :

Prereq.: Approved CAS major of upper junior or senior standing with a minimum 3.0 grade point average and written permission of instructor before registration, plus written permission of Chair. Students with less than a 3.0 grade point average must petition the departmental Undergraduate Studies Committee for the privilege of taking the course.

Individual research under the direction of a member or members of the department; weekly reports to the research adviser and presentation of such paper or papers as the adviser may require. Credit toward advanced track determined by topic. Fall, Spring

392. Internship. 392.3 - 135 hr.; 3 cr : 392.6270 hr.; 6 cr :

Prereq.: Upper junior or senior standing with a minimum 3.0 grade-point average; permission of the department, and evidence of sufficient preparation through relevant prior course work, Students with less than a 3.0 grade-point average must petition the departmental Undergraduate Studies Committee for the privilege of taking the course.

Supervision by a faculty adviser of the student's choice. Ordinarily, an internship will involve unpaid off-campus work (and/or participant observation) in a field which the student's coursework has analyzed or otherwise prepared him or her for (e.g., clinical work in speech therapy, broadcast-station operations, etc.).

Requirements: An initial prospectus (including a description of the student's duties by a representative of the sponsoring organization); periodic progress reports; a final summary report; and whatever else the adviser may ask for. The 392 courses may be taken in any combination up to a maximum of 9 credits.

COMPARATIVE LITERATURE

Chair: David Kleinbard

Dept. Office: Kiely 310, 997-5690

Professor: Crapanzano;

Assistant Professors: Ahmed, Carroll;

Department Secretary: Reisman

The comparative literature program includes courses taught by faculty from all the language and literature departments and from anthropology. It offers students the opportunity to study Western and nonWestern literary texts in their historical, social, and cultural contexts. Courses frequently include works of philosophy, psychology, anthropology, and the cinema. They aim to help students learn to read critically, with greater pleasure and understanding. Majors can prepare for graduate study and work in such fields as education, publishing, writing, and translation. Because major requirements overlap with those of English and the foreign languages, comparative literature is an excellent choice as a second major or a minor.

Although comparative literature courses involve study of texts from many countries, all are read and taught in English.

The Major

The major in comparative literature consists of twelve courses totaling 36 credits, including four approved elective courses in the literature of a foreign language in the original; three approved elective courses in the literature of another language (students may offer English or American literature, or three additional courses in comparative literature beyond Comparative Literature 101, instead of the second foreign language); and five approved courses in comparative literature, including two chosen from 331 through 337 and two seminars (381 through 384).

Majors contemplating graduate work in comparative literature must have substantial reading knowledge of one foreign language and at least a beginning knowledge of a second. One of these should be French or German.

Comparative literature majors should consider related elective courses in such areas as English, anthropology, philosophy, and history.

The Minor

The minor in comparative literature consists of five elective courses in comparative literature, totaling 15 credits. These must include at least one chosen from Comparative Literature 331 through 337, and one seminar (381 through 384). The introductory courses, Comparative Literature 101 and 102, will not count toward the minor. There is no language requirement for a comparative literature minor.

The courses offered in comparative literature fall into three groups: General Literature, Genre and Criticism, and Advanced Seminars.

General Literature

Comparative Literature 101 through 204 are introductory courses that present some of the major works forming a common reference for our Western literary traditions. Priority in registration will be given to freshmen.

Comparative Literature 211 through 228 represent a broad effort to stimulate the crossing of cultural frontiers. Courses are given in English, and all readings are done in English translation, although students who can read foreign literatures in the original are encouraged to do so. These courses provide basic preparatory work for comparative literature majors; broadening for literature and language majors and other majors in the arts; and cross-disciplinary and cross-cultural exploration for students in the social and natural sciences.

Genre and Criticism

Comparative Literature 331 to 337 are intended for more advanced work in comparative literature for all students.

Advanced Seminars

Comparative Literature 381 to 384. Topics will vary from semester to semester. Open to qualified students in other areas as well as to comparative literature majors and minors.

Courses

101. Great Books 1. 3 hr.; 3 cr :

Prereq.: English 110. An introductory course that presents some of the major works forming a common source and reference for Western literature and culture. Readings will include works from among the following: the *Epic of Gilgamesh*, the Bible, Homer, Virgil, the Greek tragedies, the *Bhagavad Gita*, Plato, St. Augustine, *Everyman*, and Dante. Priority in registration given to freshmen. Fall, Spring

102. Great Books II. 3 hr.; 3 cr :

Prereq.: English 110. Masterpieces of Western literature from the Renaissance to modern times. Readings include works from among the following: Rabelais, Shakespeare, *Molter*, *Candide*, *Gulliver's Travels*, Goethe's *Faust*, Grimms' *Fairy Tales*, and more recent works. Fall, Spring
Note: English 95 or its equivalent is the minimum corequisite for all courses (see pp. 38, 124). +-offered either Fall or Spring; see *Class Schedule*
 +- may be offered; see *Class Schedule*

203. The European Novel. 3 hr.; 3 cr :

Prereq.: Sophomore standing. Some major European novels of the nineteenth and twentieth centuries; attention to the problems of the novel as a literary form during this period. Fall, Spring

204. Modern Drama. 3 hr.; 3 cr :

Prereq.: Sophomore standing. Selected plays from the late nineteenth century to the present. The thematic focus of this course and the texts studied vary each semester. Students may take this course twice for credit, if the works studied are different.

205. Modern Poetry. 3 hr.; 3 cr :

Prereq.: Sophomore standing and English 120 or 140. Intensive readings in nineteenth- and twentieth century lyric poetry of Europe and the Americas, with attention to one or more kinds of poetry (e.g. romantic, symbolist, surrealist) and interpretive approaches. The authors and texts studied vary each semester. Students may take the course twice for credit, if the works studied are different.

GENERAL LITERATURE**211. Medieval Literature, 1100 to 1500. 3 hr.; 3 cr :**

Prereq.: Sophomore standing. Major European texts in a variety of forms and genres, studied in their historical, social, intellectual, and religious contexts. The thematic focus and texts studied vary each semester. Students may take this course twice for credit, if the works studied are different.

212. The Literature of the Renaissance. 3 hr.; 3 cr :

Prereq.: Sophomore standing. Major European texts in a variety of forms and genres, studied in their historical, social, intellectual, and religious contexts. The thematic focus of this course and the texts studied vary each semester. Students may take this course twice for credit, if the works studied are different.

213. The Enlightenment. 3 hr.; 3 cr :

Prereq.: Sophomore standing. A comparative study of outstanding figures in the literature and philosophy of the seventeenth and eighteenth centuries, including such writers as Voltaire, Diderot, Rousseau, Vico, Hume, Gibbon, and Lessing.

214. Romanticism. 3 hr.; 3 cr :

Prereq.: Sophomore standing. A study of the cultural revolution that took place throughout Europe during the early nineteenth century, setting a dominant pattern in the literature and culture for the nineteenth and much of the twentieth century.

215. Topics in Modern Literature. 3 hr.; 3 cr :

Prereq.: Sophomore standing. This course will examine selected topics in modern literature and their relationship to nineteenth- and twentieth-century models of thought, society and culture. We will consider, for instance, the influence of the naturalist Buffon on Balzac, of experimental medicine on Zola, of the philosopher Bergson on Proust, of technology on H.G. Wells, of physics on Thomas Pynchon, and of Freud on Kafka and

Schnitzler.

217. Great Authors in Literature. 3 hr.;3 cr.

Prereq.: Sophomore standing. Will focus on a number of important figures in Western literature ranging from Dante to Beckett. Authors to be read will vary from semester to semester, and emphasis will be on reading fewer authors in depth.

218. Russia and the West. 3 hr.; 3 cr :

Prereq.: Sophomore standing. Major nineteenth- and twentieth-century works illustrating the crosscurrents between Russian and Western literature. The thematic focus and texts studied vary each semester. Students may repeat this course twice for credit, if the works studied are different.

220. East Asian Literature 1.3 hr.; 3 cr :

Prereq.: Sophomore standing. Introduction to representative works of traditional Chinese and Japanese literature, from ancient times through the Yuan dynasty in China and from ancient times through the medieval period in Japan. No knowledge of Chinese or Japanese is necessary.

221. East Asian Literature 11.3 hr.; 3 cr :

Prereq.: Sophomore standing. Introduction to representative works of Chinese and Japanese literature from the Sung dynasty through the twentieth century in China and from the Tokugawa period through the twentieth century in Japan. No knowledge of Chinese or Japanese is necessary.

225. Literature and Anthropology. 3 hr.; 3 cr.

Prereq.: Sophomore standing. Literary representations in relation to anthropological theories, methods, and subject matter. The thematic focus and texts studied vary each semester. Students may repeat this course more than once, if the topic and works studied are different.

228. Themes in Literature. 3 hr.; 3 cr :

Prereq.: Sophomore standing. A topical course, depending on interests of the instructor. It may examine such problems as literary expression; the relation of literature to other arts, history, and philosophy; or the expression of a cultural theme in different national literatures,

229. Women in Modern World Literature. 3 hr.; 3 cr :

Prereq.: Sophomore standing. The representation of women in literary texts by female and male writers, with attention to the relationship between women's social and cultural status and their image in literature. The thematic focus of this course (e.g. Women and War; Women in Non-Western Literature) and the works studied vary each semester. Students may repeat this course more than once, if the topic and works studied are different.

241. Literature and the Movies. 3 or 4 hr.;3 cr.

Prereq.: Sophomore standing. A study of the ways in which literature and the movies have strongly influenced each other. The course will investigate problems arising from the relations and conflicts between these two different media. MAT charge, \$7.+

GENRE AND CRITICISM

331. Literary Criticism. 3 hr.; 3 cr :

Prereq.: At least one elective course in English or another literature. The history and problems of literary criticism from Plato to the present, with special emphasis on continental criticism. Not open to students who received credit for English 382.

333. Tragedy. 3 hr.; 3 cr :

Prereq.: At least one elective course in English or another literature. Major tragic texts from various cultures and ages, with some attention to theories of tragedy. Students may take this course twice for credit, if the works studied are different.

334. Mythology and Heroic Literature. 3 hr.; 3 cr :

Prereq.: At least one elective course in English or another literature. Major heroic epics, with some attention to questions of genre. The texts in this course may vary each semester. Students may take the course twice for credit, if the works studied are different.

335. Problems in Drama. 3 hr.; 3 cr :

Prereq.: At least one elective course in English or another literature. An intensive study of the works of one or more important dramatic authors. The author(s) and texts vary each semester. Students may take this course twice for credit, if the author(s) and works studied are different.

336. Forms of Fiction. 3 hr.; 3 cr :

Prereq.: At least one elective course in English or another literature. The novel, novella, short story, and other forms of prose fiction, with special emphasis on questions and problems of genre. The texts studied vary each semester. Students may take this course twice for credit, if the works studied are different.

337. Archetypes. 3 hr.; 3 cr :

Prereq.: At least one elective course in English or another literature. Various recurrent themes, myths, and forms in literature, such as Don Juan, Orpheus, Faust; the quest, romance, pastoral. The texts studied in this course vary each semester. Students may take this course more than once for credit, if the topic is different.

333. Masterpieces of the Western Tradition. 3 hr.; 3 cr :

Prereq.: At least one elective course in English or another literature. Aims to provide a general overview of Western literature to students who have already studied some of it, and who would like to have an upper-level general course in literature. Works will range from *Gilgamesh* to the present.

ADVANCED SEMINARS**381, 382, 383, 384. Advanced Seminars. 3 hr.; 3 cr :**

Prereq.: Three elective courses in literature, reading knowledge of one foreign language, junior or senior standing, or permission of department.

Exploration of important themes in literature, literary history, and criticism. Subject matter varies from semester to semester according to the interests and needs of students and teaching staff. Non majors also admitted. Fall, Spring

COMPUTER SCIENCE

Chair: Theodore Brown

Assistant to the Chair: Kenneth Lord

Undergraduate Advisers: Carol Friedman, Kenneth Lord, Jennifer Whitehead, Zhigang Xiang

Evening Studies Adviser: Howard C. Wasserman

Graduate Advisers: Seyed-Ali Ghozati, Bon Sy, Christopher Vickery, Howard C. Wasserman, Keitaro Yukawa

Dept. Office: SB A202, 997-3500

Professors: Brown, Di Paola, Goodman;

Associate Professors: Ghozati, Kong, Kwok, Vickery, Wasserman, Waxman, Whitehead;

Assistant Professors: Friedman, Goldberg, Sy, Xiang, Yukawa;

Lecturer: Lord;

Department Secretaries: Hernandez, Jacobs;

Technicians: Chen, Joshi

Computers are used with increasing frequency as important tools for activity and research in engineering, the natural and social sciences, and the arts. Computers are involved in every aspect of life in our society; even people who have no direct need to use a computer have to deal with data produced or processed by computers or to make decisions based on such data.

In the undergraduate division, the department offers courses and facilities for a major in computer science leading to the B.A. degree. A major has the necessary preparation for graduate work in the field and for employment in programming, systems analysis, and other computer related professions. The department has enjoyed continuous and unsolicited requests from industry and government agencies for its majors. In the graduate division, the department offers the M.A. degree and, in collaboration with other senior CUNY colleges, the Ph.D. in computer science. (For further details of these programs, see the department handbook.)

The minor is intended for students whose careers require competence in computer programming without the in-depth knowledge required of the major.

For those who do not want to major or minor in computer science, Computer Science 12 provides students with an understanding of how problems are formulated for solution by a personal computer using popular software packages.

Transfer Students

The normal first course in the major is

Computer Science 101 (Prereq.: Mathematics 6). Computer Science 100 is a 2 credit alternative to Computer Science 101 intended for transfer students who have completed an introduction to computer science course, but who have not studied the Pascal programming language. Transfer students should consult with a departmental adviser before registering.

The Major*

The major in computer science consists of the following courses:

A. Core Requirements

Computer Science 101 (or 100 or 102),
103, 201,202, 221,301,303, and 341.

B. Elective Requirements

1. Any one of Computer Science 322, 323 or 324.
2. Two additional three-credit computer science courses numbered 200-699, except 398,601,602, 615, and 640. Self-study language courses may not be used to satisfy this requirement. No more than three credits of Computer Science 390 through 399 may be used as part of the major without the approval of the Honors and Awards Committee. One course from the following list may be taken in place of one computer science course for this requirement:

Mathematics 223, 224, 230, 245,247, 248, 317,333,337, 609, 613,619, 621, 623,624,
625,626, 633,634, 635, or 636.

Physics 225 or 312.

C. Math Requirements

Mathematics 111 and 112 or equivalent,
Mathematics 241, 611 or 621 and
Mathematics 130 or 135.

D. Physics Requirement

Physics 104 (Prereq.: Physics 103, 118, 122, or 146).

Departmental Honors

Departmental honors are awarded to majors of outstanding academic performance who also complete at least 3 credits in Computer Science 391,393, or 399, have a Computer Science GPA of 3.67, and overall GPA of 3.2.

The Minor

The minor in computer science consists of the following courses:

A. Core Requirements

Computer Science 101 (or 100 or 102),103, 201,202, 221, and 301.

B. Elective Requirements

One additional three-credit course from the major A. or B. section.

C. Math Requirements

Mathematics 100, 101 or 111.

*These requirements are for the B.A. degree. Students interested in pursuing a B.S. degree should contact the department.

Prerequisites for Majors and Minors All courses in the major or minor (as listed above) must be completed with a grade of C- or better. A course may not serve as a prerequisite until it has been passed with a grade of C- or better. You will receive credit for the course only once.

Note: The department requires one grade of C- or better for each course, not an average grade of C-. Thus, receiving a D in a course and repeating it with a C- is satisfactory, even though the average of the two grades is less than C-.

The C- minimum rule does not apply to prerequisites required for mathematics or physics courses.

Courses

Note that the middle digit of course numbers indicates the *type* of course rather than its level, as follows:

<i>Middle Digit</i>	<i>Course Type</i>
0 or 1	Software
2 or 3	Foundations
4 or 5	Hardware
6 or 7	Methodology
8 or 9	Miscellaneous

12. Understanding and Using Personal

Computers. (formerly Computer Science 10) 2 lec. 2 lab. hr.; 3 cr :

Prereq.: Two and one-half years of high school mathematics, including intermediate algebra, or Mathematics 6. Hands-on introduction to computers, computation, and the basics of computer hardware and software. Students will have experience during the instructed microcomputer lab with a number of software environments including an operating system, a word processor, a spreadsheet and a database package. The course will focus on problem solving and programming with the context of these packages. In addition, students will acquire the skills needed to learn other software packages on their own. Not open for credit to students who have taken Computer Science 10 or 18.

18. Computers with Business Applications. 3 hr.; 3 cr :

Prereq.: Admission to the Business and Liberal Arts minor. Fundamentals of computer hardware and software with emphasis on applications most used in business: spread-sheets, database management, word processing, communications. An important part of the course is an examination of the problems created for business and its customers by computer usage, including crime and invasion of privacy.

Note: English 95 or its equivalent is the minimum corequisite for all courses (see pp. 38, 124). +- offered *either* Fall or Spring; see *Class Schedule*

++-may be offered; see *Class Schedule*

100. Pascal Programming. 2 hr.; 2 cr :

Prereq.: Mathematics 6. This course is intended for students who need to learn Pascal to begin the major (such as transfer students with a strong background in programming). It gives a rapid introduction to and practice in Pascal programming equivalent to that in Computer Science 101. Students who are unsure if they should take Computer Science 100 or 101 should consult an undergraduate adviser. Not open to students who have received credit for Computer Science 101 or 102.

101. Introduction 10 computing. 2 lec., 2 rec. hr.; 4 cr :

Prereq.: Mathematics 6 or the equivalent. An in-depth introduction to computer science at a level appropriate to those students considering a major or minor in computer science. Introduction to computer structure, problem solving methods, and algorithm development, Software projects include design, coding, debugging, and documenting of programs in a high-level language. Not open to students who have received credit for Computer Science 100 or 102.

102. Practicum in Pascal Programming. 1 hr.; 1 cr.

Prereq.: Mathematics 6 or the equivalent, appropriate programming experience, and departmental approval. Self-study and mastery of the Pascal language. Not open to students who have received credit for Computer Science 100 or 101.

103. Data Structures. 3 hr.; 3 cr :

Prereq.: Computer Science 100, 101, or 102. Design and implementation of data structures including stacks, queues, linked lists, tables, trees, and graphs, using both static and dynamic storage allocations. Searching and sorting techniques. Illustrations of run-time analysis.

201. Computers and Programming. 3 hr.; 3 cr :

Prereq.: Computer Science 100, 101, or 102. Introductory computer architecture; machine representation of data; arithmetic and logical operations; machine language; structured assembly language programming including batch and interactive debugging; two-phase assembly; external subprograms and linkage; macros. Several projects illustrate machine structure and programming techniques.

202. Survey of Programming Languages. 3 hr.; 3 cr :

Prereq.: Computer Science 103. Program design and implementation in C, LISP, and PROLOG to explore procedural, functional, and logic programming paradigms. Programming projects will be used to develop students' mastery of the languages.

210 through 217. Practical In Programming Languages. 1 hr.; 1 cr :

Prereq.: Computer Science 100, 101, or 102. Self-study and mastery of the language. A student may apply no more than 5 credits from among the series toward the baccalaureate degree.

210. COBOL.

211. PL/I.

212. FORTRAN.

213. Ada. Prereq.: Computer Science 103.

214. GPSS.

215. C.

216. Modula-2. Prereq.: Computer Science 103. 217. BAL. (Not open to students who have received credit for Computer Science 201 .)

221. Discrete Structures. 3 hr.; 3 cr :

Prereq.: Computer Science 100, 101, or 102, and Mathematics 101 or 111. Combinations and permutations; sets; relations, including equivalence relations, partial orders, and total orders; functions; mathematical induction; propositional calculus; Boolean algebra. Applications to combination circuits (including minimization), and to finite state machines and sequential circuits. Definition and examples of monoids and groups.

301. Principles of Programming Languages. 3 hr.; 3 cr :

Prereq.: Computer Science 201 and 202. Principles of programming language design and implementation including syntax (BNF, expression grammars, and operator associativity); binding of variables; type coercion and equivalence (including weakly typed languages); scope and extent

of variables (activation records, static and dynamic links); parameter passing and environments; formal semantics. Examples using procedural and functional languages.

303. Operating Systems Principles. 3 hr.;3 cr.

Prereq.: Computer Science 201 and 202. Principles of the design and implementation of operating systems. Concurrent processes, CPU scheduling, interrupt handling, deadlocks, memory management, virtual memory, secondary storage management, file systems. Programming projects to illustrate portions of an operating system.

304. operating-System Internals. 3 hr.;3 cr.

Prereq.: Computer Science 303. A study of the internal structures of a particular operating system such as Unix, IRMX, or another chosen by the department. (The operating system to be studied is announced at registration time.) After introducing a systems implementation language appropriate to the operating system being studied (for example, C in the case of Unix or PL/M in the case of IRMX), projects are assigned which involve system calls, use of the I/O and file systems, memory management, and process communication and scheduling. Projects may also involve developing new or replacement modules for the operating system such as the command interpreter or a device driver. A student may receive credit for this course only once.

307. Compilers. 3 hr.; 3 cr :

Prereq.: Computer Science 301. Formal definitions of programming languages: introduction to compiler construction including lexical, syntactic, and semantic analysis, code generation, and optimization. Students will implement portions of a compiler for some structured language.

309. Software Engineering. 3 hr.; 3 cr :

Prereq.:Computer Science 301. Principles of software engineering including the software life cycle, reliability, maintenance, requirements and specifications, design, implementation, and testing; features of languages designed for software engineering. Implementation of a large programming project using currently available software engineering tools.

311. Database Systems. 3 hr.; 3 cr :

Prereq.: Computer Science 103 and 221. Principles of database systems including the physical level, database architecture, the relational, network, and hierarchic approaches, database design, normal forms, query processing, concurrency, recovery, security, and integrity. Programming projects using some major database packages.

315. Artificial Intelligence. 3 hr.; 3 cr :

Prereq.: Computer Science 202. Principles of artificial intelligence. Topics include logic and deduction; resolution theorem proving; space search and game playing; language parsing; image understanding; machine learning and expert systems. Programming projects in LISP, PROLOG, or related languages.

318. Computer Graphics. 3 hr.; 3 cr :

Prereq.: Computer Science 202 and 221. Introduction to the hardware and software components of graphics systems, fundamental algorithms for the generation of two-dimensional display (lines, fill areas, curves, characters), transformation and viewing algorithms, methods of organizing picture components into segments, interactive input, Graphical Kernel System (GKS) routine calls, color models, introduction to Three-Dimensional techniques. Programming projects to demonstrate the implementation of graphic algorithms.

322. Computability. 3 hr.; 3 cr :

Prereq.: Computer Science 221. Turing machines, Herbrand-Godel definitions of recursive functions, partial recursive functions, the Universal Turing Machine, the Church-Turing Thesis, unsolvable algorithmic problems, connections with the theory of computer programming.

323. Analysis of Algorithms. 3 hr.; 3 cr :

Prereq.: Computer Science 103 and 221, and Mathematics 103 or 112. Time-space-computational complexity. Recursion, divide and conquer, balancing and dynamic programming. The complexity of sorting, searching, numerical, set, and graph problems. NP-complete problems.

324. Formal Languages and Automata. 3 hr.; 3 cr :

Prereq.: Computer Science 103 and 221. Finite state concepts: acceptors, regular expressions, closure properties, sequential machines and finite state transducers. Formal grammars: Chomsky hierarchy grammars, pushdown acceptors and linear bounded automata. Closure properties and algorithms on grammars.

341. Computer Organization. 3 hr.; 3 cr :

Prereq. :Computer Science 201 and 221, Physics 104 Combinational and sequential logic design including programmable logic devices. Memory organization. Arithmetic unit design. Conventional and micro programmed control unit design. I/O organization.

343. Computer Architecture. 3 hr.; 3 cr :

Prereq.: Computer Science 301 and 341; prereq. or coreq.: Computer Science 303. Examination of specific microcomputers, minicomputers, and large-scale computers. Special purpose architecture's, multi-processing organizations.

345. Computer Hardware Lab. 1 lec., 4 lab. hr.; 3 cr :

Prereq.: Computer Science 341. Properties of basic digital components. Construction of registers, counters, control units, and simple computer systems.

348. Data Communications. 3 hr.; 3 cr :

Prereq.: Computer Science 341. Computer communications and networks; carriers, media, interfaces (RS 232, RS 422, CCITT); circuit types, data codes, synchronous and asynchronous transmission: protocols (OSI, TCP/IP): modems, multiplexors, and other network hardware; error correction and encryption; voice and data switching; local area networks, ISDN, packet switching; issues in the architecture, design, and management of networks.

361. Numerical Methods. 3 hr.; 3 cr :

Prereq.: Computer Science 100, 101, or 102, and Mathematics 201. Numerical methods and efficient computation, approximation, and interpolation. Computer solution of systems of algebraic and ordinary differential equations.

381. Special Topics in Computer Science. 381.1-381.3 - 1-3 hr.; 1-3 cr.

Prereq.: Permission of department. Fall, Spring

391. Honors Problems in Computer Science. 391.1-391.3 - 1-3 hr.; 1-3 cr.

Prereq.: Permission of department. Open to students majoring in computer science who, in the opinion of the department, are capable of carrying out the work of the course. Each student works on a research problem under the supervision of a member of the staff. Fall, Spring

393. Honor Thesis. 3 hr.; 3 cr :

Prereq.: Junior or senior standing and approval of the Department's Honors and Awards Committee. The student will engage in significant research under the supervision of a faculty mentor and a thesis committee consisting of two other faculty members. The thesis proposal and committee must be approved by the Departmental Honors and Awards Committee. Upon completion of the research paper, an oral presentation of the results, open to the public, will be given. With the approval of the mentor, thesis committee and the Department's Honors and Awards Committee, the course may be repeated once for credit when the level of the student's work warrants a full year of effort.

395. Research Projects. 395.1-395.3-1-3 hr.; 1-3 cr.

Prereq.: Permission of department. Open to majors and non majors who, in the opinion of the department, are capable of carrying out an independent project of mutual interest under the supervision of a member of the staff. Fall, Spring

398. Internship. 398.1-45 hr; 1 cr ; 398.2-90 hr., 2 cr.; 398.3 - 135 hr.; 3 cr :

Prereq.: Completion of 15 credits in computer science and departmental approval. Computer science students are given an opportunity to work and learn for credit. Students should consult the College Office of Cooperative Education and Internships for listings of available

internships and procedures for applying. A proposal must be approved by the department before registration. The student's grade will be based on both the employer's and faculty sponsor's evaluations of the student's performance, based on midterm and final reports. A limit of 6 credits of internships may be taken. Computer Science 398 may not be applied to the computer science major or minor.

399. Honors Readings in Computer Science. 3 hr.; 3 cr :

Prereq.: Junior or senior standing and permission of instructor. Students will study and report on survey and research papers dealing with various current topics in computer science selected by the instructor. Topics for each offering of the course will be announced at registration time.

Graduate Courses for Undergraduates

(Consult the *Graduate Bulletin* for complete course listing.)

Undergraduate computer science students may apply to take 600-level graduate courses if they meet the following criteria: completion of at least 61 credits toward the bachelor's degree; computer science major GPA of at least 3.2; and permission of the instructor, undergraduate adviser, and Department Chair.

Undergraduate computer science students may apply to take 700-level graduate courses if they meet the following criteria: completion of at least 78 credits toward the bachelor's degree; computer science major GPA of at least 3.5; and permission of the instructor, undergraduate adviser, Department Chair, and the Office of Graduate Studies.

COOPERATIVE EDUCATION AND INTERNSHIPS

See Special Sequences and Courses, page 202.

DRAMA, THEATRE, AND DANCE

Chair: Raymond Gasper

Dept. Office: Rathaus 213,997-3090

Professors: Allen, Carlson, H. Einhorn, Gasper;

Associate Professors: Feiner, Matthews;

Assistant Professors: Malone, Tanner, Yin Mei Critchell;

Adjunct Assistant Professors: Branfman, Einkenkel, Gerson, Pereira;

Lecturer: Darren;

Adjunct Lecturers: Feldstein, Mose, Rose, Smith, Stansfield, Vuolo;

Senior College Laboratory Technician: Carlson, J.;

Administrative Assistant: Stansfield Professors

Emeriti: Greenberg, Keene

The Drama, Theatre, and Dance curriculum offers a study of the subject appropriate to a liberal arts degree. A balanced combination of theory and practice aims at giving an understanding of the arts of drama, theatre, and dance that can serve as a foundation for graduate study. Effort is made to provide scope for the development of individual talent and skills as a preliminary for those students who intend to concentrate on future conservatory training for a stage career.

The Majors

Drama and Theatre

A major in Drama and Theatre consists of no fewer than 36 credits, which must include:

	<i>credits</i>
1. 101	3
2. 201,202	6
3. One of the following: 203,204, 308	3
4. 111	3
5. 115	3
6. One of the following: 318 or 319	3
7. One of the following: 100 or 121	3
8. One of the following: 230 or 231	3
9. Elective credits	<u>9</u>
	36

Theatre-Dance

A major in Theatre-Dance consists of no fewer than 36 credits, which must include:

	<i>credits</i>
1. 160, 163, 261,264	8
2. Two of the following with a minimum of 4 credits: 266, 267,268, 362, 365	4
3. 269, 270, 376	9
4. One of the following: 102 or 251	3
5. One of the following: 111 or 115	3
6. 100	3
7. Electives in Theatre-Dance	<u>6</u>
	36

The Minors

Drama and Theatre

A minor in Drama and Theatre consists of no fewer than 18 credits, which must include:

	<i>credits</i>
1. Two of the following: 101, 201,202, 203, 204, 308, 309	6
2. One of the following:111 or 115	3
3. One of the following:318 or 319	3
4. One of the following:100 or 121	3
5. One of the following:231,241, 342, 343, 344, 346, 349	<u>3</u>
	18

Theatre-Dance

A minor in Theatre-Dance shall consist of no fewer than 18 credits, which must include:

	<i>credits</i>
1. 251	3
2. 269	3
3. 270	3
4. 376	3
5. Three courses selected from 160, 163,261,264, 362, 365	<u>6</u>
	18

Joint Majors

Drama and Theatre and English

Students should choose courses from the Departments of Drama, Theatre, and Dance and English in the following pattern:

1. Drama 201 or 202; one of the following: Drama 203,204, 205, 206; Drama 100 or 231; Drama 111 or 115; plus six credits from the drama and Theatre curriculum (18 credits).
2. English 140, 251, and 252, and English 332 or 333; plus three choices from English 302, 332, 333,340, 341, 370, 371,385 (21 credits).

Drama and Theatre and Art

All students majoring in Drama and Theatre and An are required to take Art 101 and 102 instead of Art 1, except that if a student decides to become a drama and Theatre-art major after Art 1, one semester of the requirement is waived; that is, An 1 is substituted for either Art 101 or Art 102 and the student takes the other. However. permission must be obtained from the Art Department to do this.

The program for the Drama and Theatre and Art major follows:

1. Drama 102 or 101; Drama 115 or 111; Drama 121 or 231; plus nine credits from the drama and Theatre curriculum (18 credits).
2. Art 151,152, 153, 162, 183, 251;plus three credits in art history (20 credits).

Drama and Theatre and Mass Communications

1. Drama 100, 231,111 or 115; one of the following: 201,202, 203,204; plus six credits from the drama and Theatre curriculum (18 credits).
2. Mass Communications: 18 credits of CAS courses as follows:
 - a. CAS 102 and 147
 - b. two courses from CAS 143, 144, 241,242, 243,245,249
 - c. two courses from CAS 244, 341, 342,343,344, 346, 347, 348, 349
3. Plus one other course from another area in the CAS Department.

Courses in Drama and Theatre

INTRODUCTORY COURSES

1. Introduction 10 Drama and Theatre. 3 hr.; 3 cr :

Introduction to the study of drama and Theatre, including play writing, directing, acting, design, and technical Theatre. No experience in dramatic production is required. Lecture discussions, performances, demonstrations, films, tapes, and guest appearances by playwrights, directors, actors, and designers may be included. There may be some opportunity for student performance. Fall, Spring

102. Introduction to History of Theatre. 3 hr.; 3 cr :

A general survey of the development of Theatre for non majors. Summer

PLAY AND RERFORMANCE. HISTORY. AND CRITICISM COURSES

101. Play and Performance: Introduction. 3 hr.; 3 cr :

A study of plays and playwrights with particular attention to the relationship between text and performance. Fall, Spring

201. History of Theatre from Antiquity to the Renaissance. 3 hr.; 3 cr :

A study of plays with special reference to the history of Theatre architecture, scene design, and acting. Fall

202. History of Theatre from the Renaissance. 3 hr.; 3 cr :

A study of plays with special reference to the history of Theatre architecture, scene design, and acting. Spring

203. Play and Performance: Modern Theatre. 3 hr.; 3 cr :

A study of plays, theaters, and production practices of the latter pan of the nineteenth century and the early pan of the twentieth century through World War II, with particular emphasis on production theory and the development of representative styles of drama and Theatre.

204. Play and Performance: Contemporary Theatre. 3 hr.; 3 cr :

Study of plays, theaters, and production practices since World War II; particular emphasis on performance, theory, and the development of representative styles of contemporary drama and Theatre.

205. History of Musical Theatre. 3 hr.; 3 cr :

Fall

206. Play and Performance: Black Drama in America. 3 hr.; 3 cr :

A survey of drama dealing with the black experience in America. Fall

308. Studies in Play and Performance. 3 hr.; 3 cr :

Prereq.: Junior, senior standing and permission of department. Topic varies from semester to semester. Advanced study of one or more playwrights, Theatre companies, theatrical theories, or methods. May be repeated for credit if different topic is studied.

309. Studies in Theatre History. 3 hr.; 3 cr :

Advanced study of a particular period of Theatre history. Topic will vary from semester to semester. May be repeated for credit if a different topic is studied. Spring

DESIGN AND TECHNICAL COURSES**111. Introduction to Design for the Theatre. 3 hr.; 3 cr :**

Analysis of design elements as they apply to stage scenery and costumes. Projects developed in various media for selected plays. Fall, Spring

115. Introduction to Technical Theatre. 3 hr.; 3 cr :

Survey of types of theaters, their physical plants, and production techniques, with a concentration on drafting, scenery construction, and methods of handling. Fall, Spring

211. Scenic Design I. 3 hr.; 3 cr :

Prereq.: Drama 111 or Art 260 or permission of department. Students will design stage scenery for plays, operas, and musical Theatre. Fall

312. Scenic Design II. 3 hr.; 3 cr :

Prereq.: Drama 211 or permission of department. Students will design stage scenery for multiscene productions including operas, musicals, and at least one play by Shakespeare. Spring

213. Costume Design 1. 3 hr.; 3 cr :

Prereq.: Drama 111 or Home Economics 157 or Art 260, or permission of department. Projects in costume design for plays, operas, musical Theatre, and dance performances. The course deals with earlier periods of theatrical history. Fall

314. Costume Design II. 3 hr.; 3 cr :

Prereq.: Drama 111 or Home Economics 158 or Art 260, or permission of department. Projects in costume design for plays, operas, musical Theatre, and dance performances. Continues from the periods covered by Drama 213 to contemporary Theatre. May be taken independently of 213.

215. Theatre Lighting 1. 3 hr.; 3 cr :

Prereq.: Drama I 15 or permission of department. Aesthetics and practice of lighting design with reference to historical development, color theory, basic electricity, control equipment, and optics for stage lighting. Fall

316. Theatre Lighting II. 3 hr.; 3 cr :

Prereq.: Drama 215 or permission of department. Advanced study of color, optics, and production for the stage. Emphasis on lighting design, script analysis, plotting, cueing. Spring

318. Projects of Theatre Design. 3 hr.; 3 cr :

Prereq.: Drama 111 and permission of department. Advanced individual projects in design of stage scenery, lighting, or costumes that may involve the execution of a Queens College production. May be repeated for credit if a different project is undertaken. Fall, Spring

319. Projects in Technical Theatre. 3 hr.; 3 cr.

Prereq.: Drama 115 and permission of department. Projects in technical Theatre. May be repeated for credit if a different project is undertaken. Fall, Spring

ACTING COURSES

100. Introduction to Acting. 3 hr.; 3 cr :

A course intended for non majors or beginners in Theatre with no previous training or experience, and for majors who intend to take a single course in acting to fulfill the major requirement. Introduces all aspects of acting, including philosophy and different methods; physical, sensory, and emotional work; improvisations; Theatre games; monologues; character analysis; scene study; script interpretation; performing and working relationship with director. Students intending to take more than one course in acting must take Drama 121 instead of, or in addition to, this course.

121. Acting I. 3 hr.; 3 cr :

An introduction to basic physical and emotional work, improvisations, technique, and Theatre games. The first courses for the professional actor. (See also Drama 100.)

222. Acting II. 3 hr.; 3 cr :

Prereq.: Drama 121 and permission of department. Scene analysis and performance, audition techniques, and the preparation and presentation of monologues.

323. Acting III. 3 hr.; 3 cr :

Prereq.: Drama 222, audition, or permission of department. Character study, script interpretation, role preparation, and scene work. Fall

324. Acting IV. 3 hr.; 3 cr :

Prereq.: Drama 323, audition, or permission of department. Advanced character study, script analysis, role preparation, and advanced scene work. Spring

225. Voice and Articulation for the Actor. 3 hr.; 3 cr :

Prereq.: Drama 121 or permission of department. Fall, Spring

227. Physical Training for the Actor I. 3 hr.; 2 cr :

Prereq.: Drama 121 or permission of department. Physical techniques for performance. Fall

328. Physical Training for the Actor II. 3 hr.; 3 cr :

Prereq.: Drama 121, 227, or permission of department. Continuation and expansion of physical techniques studied in Drama 227, as well as improvisation, movement, and mime. Spring

329. Acting Projects. 3 hr.; 3 cr :

Prereq.: Audition. Acting in performances directed by faculty or by students under faculty supervision. May be repeated for credit if different work is involved. Fall, Spring

PLAY DIRECTION AND STAGE MANAGEMENT

230. Stage Management. 3 hr.; 3 cr :

Prereq.: Permission of department. The practical application of stage managing techniques in production. May be repeated for credit if different work is involved. Fall, Spring

231. Introduction to Directing. 3 hr.; 3 cr :

A beginning course in the craft of stage direction including play and character analysis, staging techniques, production styles, and rehearsal methods. Classroom staging exercises and direction of a scene as a final project are required. Fall, Spring

332. Intermediate Directing. 3 hr.; 3 cr :

Prereq.: Drama 231 and permission of department. Continuation of study of directing. Student will direct one act of a play or a one-act play. May be repeated for credit if different work is involved. Fall

333. Advanced Directing. 3 hr.; 3 cr :

Prereq.: Drama 332 and permission of department. Advanced projects in directing a full-length play, which might involve directing a major production in the Queens College Theatre. May be repeated for credit if different work is involved. Spring

WORKSHOPS

241. Experimental Theatre Workshop. 3 hr.; 3 cr :

A study of group-created drama. Students will create a group production through improvisations, Theatre games, vocal and physical exercises. The group participates in writing a play, shares responsibilities as directors, actors, and designers, rehearses the production, and performs it before an audience. May be repeated for credit if a different project is undertaken. Fall, Spring

248. Black Drama Workshop. 3 hr.; 3 cr :

The production of a play or plays dealing with the black experience. Spring

342. Shakespeare Workshop 1.3 hr.; 3 cr :

Prereq.: Permission of department.
A study of Shakespeare's comedies and tragicomedies integrating scholarship, criticism, and Theatre art. Fall

343. Shakespeare Workshop I1.3 hr.; 3 cr :

Prereq.: Permission of department. A study of Shakespeare's histories and tragedies integrating scholarship, criticism, and Theatre art. Spring

344. Play writing Workshop. 3 hr.; 3 cr :

Prereq.: Permission of department. Spring

346. Musical Theatre Workshop. 3 hr.; 3 cr :

Prereq.: Audition and permission of department. Practice of performance techniques, including auditioning, for the performer in musical Theatre. May be repeated for credit if different work is involved. Fall, Spring

349. Workshop in Repertory Theatre Management.

Production. and Performance. 349.1-349.6-1-6 hr.; 1-6 cr.

Prereq.: Audition, interview, and permission of department. Students will be involved in organizing and operating a Theatre under faculty supervision. They will, as a team, take responsibility for all aspects of Theatre operations including producing, directing, acting, designing, publicity, management of budget, box office, house management, and all other matters pertaining to the operation of a Theatre.

SPECIAL THEATRE PROJECTS AND SEMINARS

390. Special Problems in Drama and Theatre. 390.1-390.3-1-3 hr.; 1-3 cr.

Prereq.: Permission of department. Individual research under the direction of a member or members of the department and resulting in a written report. May be repeated for credit.

397. Seminar in Drama and Theatre. 3 hr.; 3 cr.

Prereq.: Permission of department. Topic to vary from semester to semester.

Courses in Theatre-Dance

INTRODUCTORY COURSE

150. Introduction to Dance. 3 hr.; 3 cr :

An introduction to dance as a performing art, combining lectures on historical development with studio work in the fundamentals of dance technique. Fall, Spring

HISTORY, CRITICISM, THERAPY, AND EDUCATION COURSES

251. History of Dance. 3 hr.; 3 cr :

Lecture-discussion on the historical and philo-sophical development of dance as an art form. Fall

252. Contemporary Dance: Criticism and Aesthetics. 3 hr.; 3 cr :

Lecture-discussion examining major influences and developments in dance in the twentieth century. Spring

255. Introduction 10 Dance Therapy. 3hr; 3cr.

A wide ranging introduction to the theory and practice of dance therapy. The course focuses on the skills and techniques of dance and expressive movement and their therapeutic application. Members of the class serve as a laboratory for exploring individual and group issues. Summer Session

257. Principles of Teaching Dance. 3 hr.; 3 cr.

The theory and practice of aims and materials used in the teaching of dance. Fall

STUDIO COURSES

160. Modern Dance 1.3 hr.; 2 cr :

Beginning studio course in modern dance techniques with emphasis on developing fundamental movement skills. Fall, Spring

261. Modern Dance I 1.3 hr.; 2 cr :

Prereq.: Theatre-Dance 160. Intermediate studio course in modern dance techniques with emphasis on greater movement range, control, and complexity. Fall, Spring

362. Modern Dance 111. 3 hr.; 3 cr :

Prereq.: Theatre-Dance 261 or permission of department. Advanced studio course in modern dance techniques with emphasis on performance style and quality. May be repeated for credit if different work is involved. No more than 12 credits in Theatre-Dance 362 and 365 can be applied toward the baccalaureate degree.

163. Ballet I. 3 hr.; 2 cr :

Beginning studio course in classical ballet technique with emphasis on correct placement and alignment. Fall, Spring

264. Ballet II. 3 hr.; 2 cr :

Prereq.: Theatre Dance 163 or permission of department. Intermediate studio course in classical ballet techniques with emphasis on proper phrasing, clarity, and musicality. Fall, Spring

365. Ballet II. 3 hr.; 2 cr :

Prereq.: Theatre Dance 264 or permission of department. Advanced studio training in classical ballet technique with emphasis on refinement and performance qualities. May be repeated for credit if different work is involved. No more than 12 credits in Theatre-Dance 362 and 365 can be applied toward the baccalaureate degree. Spring

266. Specialized Styles in Dance: Jazz. 3 hr.; 3 cr :

A studio course focusing on the style of jazz dance form.

267. Specialized Styles in Dance: Tap. 3 hr.; 3 cr :

A studio course focusing on the style of tap dance form.

268. Specialized Styles in Dance: Ethnic, Social, or Folk. 3 hr.; 3 cr :

A studio course focusing on the style of ethnic, social, or folk dance forms.

269. Analysis of Dance Movement. 3 hr.; 3 cr.

A studio course designed to teach the use of the body for dance and the underlying principles of human movement.

CHOREOGRAPHY COURSES

270. Dance Improvisation and Composition. 3 hr.; 3 cr :

A studio course exploring skills, techniques, and methods for choreographing dance. Fall

272. Music for Movement. 3 hr.; 3 cr :

An investigation of the relationships of music and other forms of sound to dance movement.

376. Dance Notation. 3 hr.; 3 cr :

A study of the basic skills and techniques for analyzing and recording movement in Labanotation.

DANCE PRODUCTION AND WORKSHOPS

380. Dance Production. 3 hr.; 3 cr :

Prereq.: Audition. A laboratory for creating and preparing for a dance performance, culminating in the public presentation of a dance concert. May be repeated for credit when topic changes. Spring

385. Theatre-Dance Workshop. 3 hr.; 3 cr :

Prereq.: Permission of department. The study of dance as a significant component of Theatre. One or more projects will be presented. May be repeated for credit when topic changes.
Fall, Spring

SPECIAL PROJECTS AND SEMINARS

395. Special Problems in Theatre-Dance. 395.1-395.3-1-3 hr.; 1-3 cr.

Prereq.: Permission of department. Independent study projects under faculty supervision. May be repeated for credit if different work is involved.

398. Seminar in Theatre-Dance. 3 hr.; 3 cr.

Prereq.: Permission of department. Topics vary from semester to semester. May be repeated for credit if different work is involved.

EAST ASIAN STUDIES

Director: Pei-Yi Wu

Office: Kiely 137, 997-5570

The major is designed to provide detailed knowledge of the history, institutions, customs, and cultures of the countries of East Asia, as well as a working knowledge of at least one of the languages spoken in the area.

A major in East Asian Studies provides an understanding of East Asia and its civilization, preparing the student for a career in government service, international agencies, or mass communications; for graduate work in the area; or for teaching in secondary schools, where the need for information on this area is of growing importance.

At present, the major centers especially on China and Japan, and the languages offered are Chinese and Japanese. However, attention is given to India and Southeast Asia insofar as they are involved in influences on or from China and Japan.

The Major

Students majoring in the East Asian program are required to take 35 credits in East Asian Studies. Prospective majors should consult with the Director when planning their course of studies. No student will be admitted to the major without the Director's approval.

The basic required core of the major consists of 35 credits, including Chinese 101,102, 203,204 or Japanese 101,102, 203,204, Oriental Studies 220 or 221, Anthropology 208, Comparative Literature 220 or 221, Economics 211, History 112. and Political Science 230 or 258. Substitutions may be allowed, but only with the permission of the Director.

These courses may be taken in any order, except that students are strongly advised to start Chinese or Japanese as soon as possible and to take Oriental Studies 220 or 221 before any of the other non language courses in the major.

At present, East Asian Studies is offered only in the day session.

Auxiliary Specialization

Students are also required to acquire some solid grounding in one of the related and participating disciplines. This means that in addition to the 35 credits in East Asian Studies, they must take 15 credits (about five courses) in one specific field, e.g., anthropology, economics, geography, history, language, or political science. Students will thus have a major in East Asian Studies with a specialty in one of the subject fields. However, normally all these credits together will not total more than 47, since at least one of the auxiliary specialization courses will be the same as one of the courses in the East Asian major. (For example, Anthropology 208, one of the courses required for the major, may also be one of the courses in the 15 credits in anthropology that a student may use as the auxiliary specialization.)

Students who wish to use Chinese or Japanese for this purpose will be required to take one additional year (6 credits) of that language beyond the 14 credits required.

Students who are preparing for graduate work in the field are advised that more than two years of an East Asian language is desirable.

ECONOMICS

Chair: Michael Edelstein

Assistant Chair: Linda Edwards

Graduate Adviser: Robert Lipsey

Dept. Office: Powder maker 300, 997-5440

Professors: Edelstein, Edwards, Franklin, Gram, Hill, Kaufmann, Levenson, Lipsey, Nelson, Riskin, Roistacher, Tabb, Thurston;

Adjunct Professor: Kohn;

Associate Professors: Dohan, Gabel, Solon;

Adjunct Associate Professor: Malin;

Assistant Professors: Field-Hendry, Hong, Nix;

Adjunct Assistant Professors: Ranschburg, Rezvani;

Lecturer: Chiremba;

Adjunct Lecturers: Bacchetta, Banerjee, Christodonlon, Goldar, Golubchin, Kontogiannis, Paizis, Sari, Shatkin, Vaz, Weinman;

Department Secretaries: Cohen, Hromada, Wexler

The department aims to give students a thorough comprehension of the economic aspects of human behavior in its social context. By providing knowledge of the basic structure, processes, and problems of the economy and systematic training in the use of analytical procedures in their study, economics, along with other social sciences, constitutes an essential element in the broad understanding of society, its organization, functioning, and trends.

Courses in economics prepare the student for graduate work in economics, statistics, and business administration; for professional schools such as law, journalism, and social work. Training in economics also helps to prepare those who want to teach economics or social studies on a secondary level or who wish to do economic research.

Students who plan to pursue graduate work in economics, statistics, and business administration should also take courses in the Mathematics Department. Most graduate schools require as a minimum Mathematics 111 and 112. In addition, it is recommended that economics majors also take Computer Science 101 (Introduction to Computing).

The Major

Students who want to major in economics must take Mathematics 21 or the equivalent and must select at least 30 credits in economics courses exclusive of courses numbered 151, 253, 254, 258, and 370. Economics 101, 102, 205, 206, and 249 and 382 are required of all majors. Transfer students must take at least 15 hours of economics at Queens College. All students must have at least a C average for economics courses taken at Queens College, and, in addition, a C average in the required courses in economics.

Students who are planning to major in Economics should take Mathematics 21 or its equivalent as early in their economics major as possible because Mathematics 21 or its equivalent is a prerequisite for two required courses, Economics 205 and 249. Equivalents for Mathematics 21 include Mathematics 100, 101, 111, 117, an AP calculus score which is greater than or equal to 3 for Calculus AB, or an AP calculus score which is greater than or equal to 2 for Calculus BC.

Economics majors who have not completed Economics 205 and 206 by the start of their junior year (defined as the completion of at least 64 credits of college-level work - half of the 128 needed for graduation), must take Economics 205 and 206 during their junior year. If neither Economics 205 nor 206 has been taken at the start of the junior year, at least one must be taken during the student's first semester as a junior. If one of the two courses has been completed before the start of the junior year, the second course must be taken during the first semester of the junior year. All majors must see a department adviser before enrolling in courses beyond Economics 101 and 102. All majors are required to file a concentration form during their junior year or before.

Dual Major - Economics and Accounting

Students majoring in accounting may also receive a major in economics by completing 30 credits in the latter. All of the economics courses required for the accounting degree may be included for the concentration in economics. Economics 205, 206 and 382 must be part of the 30 credits in economics.

Joint Major in Economics and Latin American Area Studies See page 157.

The Minor

The requirements for the minor in economics are:

1. Mathematics 21 or the equivalent and 18 credits in economics consisting of Economics 101,102; two of the following courses: Economics 205, 206, and 249; and two electives. At least 12 of these credits must be taken at Queens College.
2. C average for all economics courses applied to the minor and a C average in Economics 101,102, and the two courses chosen from Economics 205,206, and 249.
3. Students should consult with a faculty adviser and complete a concentration form as soon as they have decided to minor in economics.

Courses

1. Economics and Society. 3 hr.; 3 cr,

A course designed for the nonmajor who wishes an introduction to economic reasoning and policy making. The major concepts of modern economics will be discussed along with applications of the theory to important contemporary problems such as inflation, recession, productivity, income distribution, and the U.S. role in the world economy. Credit will not be applied toward the major in economics or toward filling CPA requirements. Accounting majors should take Economics 101. Fall, Spring

101. Introductory Economics 1.3 hr.; 3 cr :

Prereq.: Having passed the 11 the-year Algebra Regents examination; or passing the appropriate placement examination administered by the Mathematics Department; or passing a course at the level of Mathematics 6. Surveys major economic principles, institutions, and problems. Covers the nature and methods of economics; economic processes in market and other systems, and the role of the government; the nature of the business firm and the problem of industrial organization and monopoly; the position of labor and agriculture in the American economy; determination of the levels of income, prices, and employment; money and banking; the problems of poverty and income distribution; and the role of stabilization policy. Fall, Spring

102. Introductory Economics II. 3 hr.; 3 cr :

Prereq. or coreq.: Economics 101. Covers the process of resource allocation and income distribution within a free enterprise economy, with international trade, and under collectivism; the nature and problems of the balance of international payments and the role of international monetary policy and foreign investment; the problems of economic growth in advanced and underdeveloped economies and under collectivism. Fall, Spring

203. Development of Economic Thought. 3 hr.; 3 cr :

Prereq.: Economics 102 or permission of instructor, English 120. Traces the evolution of economic doctrines both in their institutional context and with reference to central issues that are of present-day significance.

204. Socialist Economic Thought. 3 hr.; 3 cr :

Prereq.: Economics 102 or permission of instructor; English 120. The development of socialist economic thought from Plato to the present, with emphasis on writers since the beginning of the nineteenth century and including the forerunners of Marx and later interpretations of Marxism.

205. Price Theory. 3 lec., 1 lab. hr.; 3 cr :

Prereq.: Economics 102 and Mathematics 21 or the equivalent. Familiarizes the student with the technical tools of economic analysis, Covers price, input and output decisions of the business firm; the forces behind supply of and demand for the product of the firm and industry; and the factors determining the distribution of income. This course cannot be taken for credit if Economics 225 has been taken (see also Economics 225). Fall, Spring

206. Macro-Economic Analysis. 3 hr.; 3 cr :

Prereq.: Economics 102. National income measurement; macro-economic theories of income, employment, prices, and interest rates; public policies for growth and stabilization. This course cannot be taken for credit if Economics 226 has been taken (see also Economics 226). Fall, Spring

207. Comparative Economic Systems. 3 hr.; 3 cr.

Prereq.: Economics 102; English 120. Includes comparisons with the USSR.

208. The Process of Economic Development. 3 hr.; 3 cr :

Prereq.: Economics 102; English 120 The causes of differences in the levels of economic performance among countries; major theories of economic development; policies for economic development.

209. Economic Structure and Behavior in Africa. 3 hr.; 3 cr :

Prereq.: Economics 102 or permission of department; English 120. Attention to the supply of agricultural produce, the market for unskilled labor, the influence of foreign trade and payment on the functioning of African economies.

210. Transformation of Economic Systems. 3 hr.; 3 cr :

Prereq.: Economics 102; English 120. This course is concerned with the breakup and reconstitution of economic systems from antiquity to the present. The emphasis will be on primitive, feudal, and contemporary underdeveloped economies.

211. Economics of Asia. 3 hr.; 3 cr :

Prereq.: Economics 102 or permission of department;
English 120.

212. Economic Problems of Latin America. 3 hr.; 3 cr :

Prereq.: Economics 102 or permission of department; English 120.

213. Economies of the Labor Force. 3 hr.; 3 cr.

Prereq.: Economics 102; English 120. Theoretical and public policy issues relating to wage determination, labor markets, the labor force, wages, prices, productivity, employment, human resources, and income maintenance.

214. Economics of Organized Labor. 3 hr.; 3 cr.

Prereq.: Economics 102; English 120. Includes collective bargaining in the public and private sectors and labor problems of minorities.

215. Money and Banking. 3 hr.; 3 cr :

Prereq.: Economics 102. Description and analysis of monetary and banking principles and institutions.

217. Public Finance. 3 hr.; 3 cr :

Prereq.: Economics 205 or 225; English 120. Such topics as government expenditures, distribution of the tax burden, equity in taxation, tax competition, and the national debt.

218. The Economics of State and Local Finance. 3 hr.; 3 cr :

Prereq.: Economics 102; English 120. Such topics as the demand for government services, intergovernmental fiscal relations, the distribution of various public services within and between governmental jurisdictions, governmental budgeting processes, and sources of revenue.

219. Economics of Class, Race, and Sex. 3 hr.; 3 cr :

Prereq.: Economics 101; English 120. This course is concerned with theoretical and historical explanations of stratification by class, race, sex, and ethnicity. Specifically, it is concerned with explaining differential rates of progress among ethnic groups; the economic position of the black population versus the white one; black/white males vis-a-vis black/ white females; and finally, males and females.

220. Consumer Economics and Personal Finance. 3 hr.; 3 cr :

Prereq.: Economics 102; English 120. This course covers personal financial planning, consumer decision making, present value theory, money management, and credit. Specific topics include: income taxes, investing and portfolio management, risk management (insurance), pensions, long-term family and estate planning, and the problems of information and transaction costs. Students learn to use a spreadsheet on the IBM PC to solve various case problems.

221. The Economy of Greece. 3 hr.; 3 cr :

Prereq.: Economics 102; English 120. This course will focus on the postwar structure and performance of the Greek economy. An examination of overall growth as well as growth of the agricultural, industrial, and service sectors will be pursued, taking into account the private-versus-public sector dichotomy. Special consideration will be given to external economic relations of Greece, its membership in the EEC, and balance of payments problems. The structural effects of external relations upon domestic development will be traced, dealing, for example, with migration and income distribution.

222. European 1 Economic History since 1750. 3 hr.; 3 cr :

Prereq.: Economics 101 and 102; English 120. Emphasizes the processes and repercussions of industrialization.

223. The Development of the American Economy to 1914.3 hr.; 3 cr :

Prereq.: Economics 101 and 102; English 120.

224. American Economic History since 1914.3 hr.; 3 cr :

Prereq.: Economics 101 and 102; English 120.

225. Price theory.' (Mathematics Emphasis).

(formerly Economics 205M) 3 lec., 1 lab. hr.; 3 cr :

Prereq.: Economics 102 and Mathematics 22 or 103 or 112. Identical to Economics 205, except taught with a greater use of mathematical tools. Recommended for students planning to do graduate work in economics and business. This course cannot be taken for credit if Economics 205 has been taken. Fall

226. Macro-Economic Analysis (Mathematics Emphasis).

(formerly Economics 206M) 3 hr.; 3 cr :

Prereq.: Economics 102 and Mathematics 22 or 103 or 112. Identical to Economics 206 except taught with a greater use of mathematical tools. Recommended for students planning to do graduate work in economics and business. This course cannot be taken for credit if Economics 206 has been taken. Spring

227. International Finance. 3 hr.; 3 cr :

Prereq.: Economics 102 and 206 or 226; English 120. An analysis of the economics of balance of payments, the foreign exchange market, international liquidity and adjustment problems, exchange rate systems and their influence on internal and external balance, international financial institutions, international capital movements, financial problems of economic integration.

228. The Economies of the Environment. 3 hr.; 3 cr :

Prereq.: Economics 102 or permission of instructor; English 120. The economic causes of environmental problems and the problems encountered in estimating the economic cost of environmental damages. Application of economic theory to establish the conditions for the best use of the environment, and to evaluate economic costs and benefits of current regulatory policy.

229. The Economics of Health and Income Maintenance Programs. 3 hr.; 3 cr :

Prereq.: Economics 101; English 120. Application of economic tools and concepts to the analysis of the health care and income maintenance fields. The main emphasis is on the United States; comparisons with other countries are included.

230. Women's Issues in Economics. 3 hr.; 3 cr.

Prereq.: Economics 102; English 120. Includes discussion of participation of women in the labor force; distribution of women among occupations; work outside the marketplace and in the home; wage differentials between men and women; and government policies that affect the economic position of women.

240. Industrial Organization. 3 hr.; 3 cr :

Prereq.: Economics 102 and Mathematics 21 or equivalent; English 120. The economic functions of business firms; the theory and practice of internal organization of firms; market structure and performance of competitors, oligopolists, etc., and their effects on economic welfare; business as a social and political institution; the large firm in a mixed economy.

241. Corporation Finance. 3 lec., 1 lab. hr.; 3 cr.

Prereq.: Economics 102. An analysis of the major funds flows of the firm. Development of the principles for determining specific assets a firm should acquire, as well as the least-cost methods of financing those assets. Topics considered include the management of cash, inventories, receivables, and fixed assets; alternative sources of available funds, including short-, intermediate-, and long-term sources of financing; the cost of capital; optimum capital structure; and corporate dividend policy. Fall, Spring

242. Regulation of American Business. 3 hr.; 3 cr :

Prereq.: Economics 102; English 120. The origin, evaluation, and present pattern of government regulation of business; the organization of industry; anti-trust and the promotion of competition and prevention of monopoly and public regulation; public policies in natural resource and environmental conservation.

243. Economics of Distribution and Marketing. 3 hr.; 3 cr :

Prereq.: Economics 102; English 120. Functions, structure, and cost of the system of distribution of goods and services. Emphasizes the dynamic character of marketing and the major problems encountered at every stage of the distribution process. Merchandising and sales promotional activities, price policies, selection of channels of distribution.

246. Urban Economics. 3 hr.; 3 cr :

Prereq.: Economics 102; English 120. The microeconomics of U.S. urban development patterns from the industrial revolution to the present. Decentralization of economic activity and population; the resulting urban problems and possible solutions to these problems.

247. Business Economics. 3 hr.; 3 cr :

Prereq.: Economics 102; English 120. The application of economic principles to the problems of business decision making. Topics considered include decisions under risk and uncertainty; economic forecasting; estimation of demand and cost functions; price strategy under monopoly, oligopoly, and competition; diversification and conglomeration; and productivity analysis in worker and executive compensation.

249. Statistics as Applied to Economics.

3 lec., 1 lab. hr.; 3 cr :

Prereq.: Economics 101 and Mathematics 21 or equivalent. The topics covered are descriptive statistics, elementary probability theory, sampling statistical inference, estimation, and simple correlation and regression. (Not open to students with credit for Mathematics 241, which will be accepted in lieu of Economics 249.)

325. Economic Dynamics. 3 hr.; 3 cr :

Prereq.: Economics 205 and 206 and Calculus (Mathematics 21 and 22, or 101, 102 and 103, or 111 and 112, or equivalent). This course examines the time dimension in economic processes. The existence, stability, and uniqueness of equilibrium are investigated for models from both microeconomics and macroeconomics. Difference equations will be taught and will be the chief mathematical tool.

326. International Economics. 3 hr.; 3 cr :

Prereq.: Economics 205. An introduction to the theory of international trade and to empirical tests of trade theory.

341. Intermediate Finance. 3 hr.; 3 cr :

Prereq.: Economics 241 and 249 or permission of the instructor, English 120. Covers the five most important problems of modern finance at a level beyond Economics 241. These are: the relationship between risk and returns, as expressed in the Capital Asset Pricing Model and Arbitrage Pricing Theory; the valuation of debt and equity instruments; the cost of capital and optimal capital structure; capital budgeting; and dividend policy.

344. marketing Research. 3 hr.; 3 cr :

Prereq.: Economics 243 and 249. A study of the nature of scientific research methods applied to the solution of marketing problems. Emphasis on planning projects and formulating the problem; methods of gathering data, including applications of sampling; interpreting data; and presentation of the results. Some attention is given to a discussion of the essential features of the applied areas of motivation research, advertising research, product research, and sales research.

345. Business Cycles and Stabilization Policy. 3 hr.; 3 cr :

Prereq.: Economics 206 or 226. The nature, techniques of measurement, theoretical explanations, history, and significance of economic fluctuations. The economic implications and political feasibility of diverse programs for fostering stabilization and growth.

349. Statistics as Applied to Economics 11. 3 rec., 1 lab. hr.; 3 cr :

Prereq.: Economics 249 or Mathematics 241, Biology 230, Physical Education 165, or Psychology 107 may be used as prerequisites subject to the approval of the Economics Department. The topics covered will include gathering, storing, and retrieving data, data tabulation, univariate statistical estimators, correlation and regression, chi-square tests, simulation and random number generation, linear programming, and Box-Jenkins forecasting. The course will be heavily based on SAS, but other mainframe and micro software will be considered.

350. Investment Analysis. 3 hr.; 3 cr :

Prereq.: Economics 241 or permission of instructor, English 120. An analysis of the types of securities available in the market covering both individual and institutional portfolio analyses and management. Considers the formulation of appropriate portfolio investment objectives, techniques for achieving them, and institutional, legal, and other constraints on portfolio strategies. Impacts of macro- and micro-economic activity on portfolio performance, and measures of performance are discussed.

380. Seminar in Advanced Macroeconomics Theory. 3 hr.; 3 cr :

Prereq.: Economics 205 and 206.

382. Introduction to Econometrics. 3 hr.; 3 cr.

Prereq.: Economics 249 or equivalent. This course will begin with a review of statistics and hypothesis testing, then introduce simple and multiple regression techniques; the estimation of regression using ordinary least squares; inference; and the use of spreadsheets and statistical software to estimate economic models. !

383. Seminar in Selected Studies in Economics. 3 hr.; 3 cr :

Prereq.: Economics 101 and 102 and permission of department; English 120. Subject varies with the instructor and the year. May be repeated for credit provided the topic is not the same.

390. Research Methods in Economics. 3 hr.; 3 cr :

Prereq.: Economics 101,102, 205, 206, 249. Class size is limited to 20. Required of honors students. The purpose of this course is to teach students some research methods in economics, including data sources, presentation and interpretation of data, organization writing, editorial revision, and oral presentation of brief research memos, a major research paper, use of literature searches, government documents, and computers to access data banks, and introduction to computer-based modeling. Fall, Spring

391. Special Problems. 3 hr.; 3 cr :

Prereq.: Permission of department; English 120. Recommended for students of high standing who want to do special individual research in economics under the guidance of an instructor

392. Honors Seminar. 3 hr.; 3 cr :

Prereq.: Economics 101,102, 205, 206, 249; coreq.: Economics 390. Class size is limited to 20. This course meets twice weekly to study selected topics in economics. The special topics will be selected by the staff. and, for example, could include rational expectations, econometric models, search theory, radical economics, benefit-cost analysis, decision-theory, location-models, etc. Students will be organized into study groups to meet with faculty to review specific topics in micro, macro, and other areas for their comprehensive exams. Fall, Spring

The following graduate courses are open to undergraduate juniors and seniors who meet the prerequisites.

705. Mathematical Economics. 3 hr.; 3 cr :

Prereq.: A one-semester course in differential calculus and Economics 205; and either graduate matriculation or permission of Chair. An introduction to applications of mathematics to economic theory and problems. Illustrations are drawn from linear programming, theory of games, and difference equations.

726. Introduction to Operations Research. 3 hr.; 3 cr :

Prereq.: Economics 249 or equivalent; calculus recommended. Methods of operations research in economic and business decision-making. Topics include linear and non-linear programming, queuing theory, and sensitivity analysis.

GEOGRAPHY

The Minor

The requirements for the minor in geography are:

1. Economics 151, 253, 254, and 258.
2. An elective course chosen from Economics 246 (Urban Economics), 211 (Economics of Asia), 212 (Economic Problems of Latin America), 209 (Economic Structure and Behavior in Africa), Geology 110 (Physical Geography), and Urban Studies 101 (Urban issues).
3. C average for the five courses constituting the minor.

Courses in Geography

151. Introduction to Geography. 3 hr.; 3 cr :

This course is an introduction to modern human geography. Topics covered include population, resources, and the environment; spatial diffusion; urbanization, urban form, city systems, geographical perspectives on intra- and international conflict, and regional development.

253. Economic Geography. 3 hr.; 3 cr :

Prereq.: Economics 151. This course treats resource use, locational choices, and regional specialization in the global economy. Topics include world distribution of population, income, and resources; fundamentals of spatial economics, principles of locational choice, and patterns of global exchange and interaction.

254. Introduction to Regional Science. 3 hr.; 3 cr,

Prereq.: Economics 102, 151. This course focuses on techniques of regional analysis and planning. Topics, which vary with year, include interregional input-output analysis, linear programming, gravity and spatial interaction models, economic base modeling, shift-share analysis, and measures of spatial inequality.

258. Political Geography. 3 hr.; 3 cr :

Prereq.: Economics 151 or permission of instructor. Topics include geopolitics, imperialism, territoriality, state and nation, electoral geography, the political geography of localities, and fundamentals of conflict analysis and resolution.

370. Special Problems in Regional Science. 3 hr.; 3 cr :

Prereq.: Economics 254. Subject varies with year.

SCHOOL OF EDUCATION

(see also pages 118, 121, 122)

Dean: Roland K. Yoshida

Director of College Preparatory Programs: Ron Scapp

Executive Assistant: Elizabeth Hennessey

Queens College offers undergraduate programs that prepare students for teaching at the early childhood, elementary, middle, and high school levels. Students are trained for teaching in many special subjects. Graduate students may study toward master's degrees in education in a number of teaching fields as well as the special subjects of special education and remedial reading. Graduate study, which includes advanced work beyond the master's degree, is available in counselor education, school administration and supervision, and school psychology.

The programs in the School of Education are approved by the State Education Department. All education courses, sequences, and programs comply with New York State Department of Education regulations about certification. Students may obtain information from department offices concerning these competencies. Once the requirements specified by the departments are completed, students can apply for New York State certification through the QC School of Education. A *Certification of Qualification* is issued by the New York State Department of Education for those completing undergraduate programs. To be certified, students must reach criterion scores on the examinations designated by the New York State Education Department. The departments offer advice about programs; the Office of Educational Placement provides information about the examinations required by the New York State Department of Education and about New York State certification and New York City licensing. While advice and information are provided by faculty and staff of the School of Education, all students are responsible for knowing and meeting specific licensure requirements of New York City and the states.

All students must pass a medical examination prior to enrollment in courses that require fieldwork and contact with children and youth. Satisfactory standards in scholarship, health, motivation, and character are expected. Departments may refuse matriculation or order withdrawal from courses if students do not meet these standards. Special requirements for entrance into and progress through educational sequences are specified below in the description of each department.

Matriculation for the Master of Science in Education degree is open to recipients of the baccalaureate degree from approved colleges who have completed an approved undergraduate education sequence. Special provisions may be made for those students whose undergraduate preparation lacks the necessary education background. For further information, see the Special Admissions Program in the Elementary and Early Childhood Education and Services Department and Secondary Education and Youth Services Department sections below.

Transfer Students

Transfer students are urged to seek advice from faculty advisers immediately upon admission to Queens College for evaluation of credit.

New York State Certification

Upon satisfactory completion of a Queens education program and all requirements for the B.A. degree, the School of Education will forward a student's academic record and all necessary documents to the State Education Department as the first step in the certification process. Graduating seniors are advised to contact their departments or the Educational Placement Office for information about the examinations required by the New York State Department of Education and additional requirements for permanent certification.

Placement Service

The Office of Educational Placement helps seniors find professional positions. Files are kept for years so graduates may continue to use this service. Prospective employers both in and outside the metropolitan area make requests to the College office for candidates. Students are urged to register prior to graduation in Powder maker Hall, Room 104. A nominal registration fee is charged. Dates and particulars of New York City license examinations as well as notices of job opportunities are posted outside Powder maker 104. For information, contact Christine Howard, 997-5545.

Field Placement Offal

This office is the center of coordination for student teaching and the clinical component required in many education courses. It provides direction and service to the students and faculty in the School of Education.

Evening Studies

The College offers a selection of required courses in the education sequence at night. Candidates will need to complete the sequence in the day session.

Students interested in Elementary and Early Childhood must see the Coordinator for Undergraduate Programs (Powder maker 180) for advice. Students interested in Secondary Education should seek advice from the Secondary Education and Youth Services Department (Powder maker 193).

Education Honor Society

Kappa Delta Pi is the national honor society in Education. It was founded March 8, 1911, at the University of Illinois, and the Kappa Gamma Chapter was installed at Queens College on December 16, 1963. It encourages excellence in scholarship, high personal standards, improvement in teacher preparation, distinction in achievement, and contributions to education. Invitations are extended to students in education on the basis of their cumulative and education indices and promise in the field of teaching.

Programs for Prospective School Psychology Majors

The School Psychology Program is a master's program of 60 credits leading to a New York State Certificate. Students planning for graduate work in school psychology should see the Coordinator of the School Psychology Program (Professor Marian Fish, 997-5231) while they are enrolled in Secondary Education 201 or Elementary Education 202. To be eligible for admission to the School Psychology graduate program, the student may select one of two undergraduate plans. See the *Graduate Bulletin* (pages 66-69) for further details.

Undergraduate Students in Graduate Education Courses

Undergraduates who wish to take graduate courses must see a graduate adviser in the appropriate education department and obtain permission from the Office of Graduate Studies, Powder maker 100E. Credit may be used at the undergraduate or graduate level *with the permission of the graduate adviser*. For further information, see the *Graduate Bulletin*.

New York City Regulations: Special Education

New York City requires all candidates for licensing to have 6 credits in approved courses in special education. The following graduate courses (see the *Graduate Bulletin*) are approved for this purpose: ECP 740, Bases of Special Education; ECP 750, Electives in Special Education; EECE 713, The Psychology and Education of Exceptional Children and Youth; EECE 733, Workshop in Special Education: Curricular Adaptations for Mainstreamed Students; and EECE 732, Workshop in Special Education: Instructional Strategies for Mainstreaming. These may be taken for undergraduate or graduate credit in the senior year of undergraduate work with permission.

ELEMENTARY AND EARLY CHILDHOOD EDUCATION AND SERVICES

Chair: Sydney Schwartz

Coordinator for Undergraduate Programs: Glenna Sloan

Dept. Office: Powder maker 171,997-5300

Professors: Abramson, Brovey, Hardeman, Higgins, Schwartz, J., Schwartz, S., Sloan, Associate

Professors: Baghban, Curcio, Ezair, Gibson, Salz, Sobel, Swell, Torre, Turkel, Zarnowski;

Assistant Professors: Bronars, Dill, Harris, Jarrell, Johnson, Mullin, Okongwu, Olivares, Thibodeau, Trubowitz;

Department Secretaries: Gauvin, Yee

The Department of Elementary and Early Childhood Education and Services offers a variety of programs and courses. Successful completion of an approved undergraduate program will lead to recommendation by the School of Education for New York State Certificate of Qualification for teaching in pre-kindergarten through grade 6. Because requirements for certification in New York State, New York City, and in other states vary among themselves and from time to time, students must adhere closely to the recommended programs and remain in constant communication with the advisers of the department to be kept abreast of any changes. Ultimately, it is the student's responsibility to meet requirements established for certification.

Students who are interested in becoming teachers in early childhood or elementary schools should seek advice about program planning as early as their freshman year. The department will provide detailed information about the curriculum, the clinical portion of the courses, and entrance and progress standards. Students will file a signed, approved program prior to admission in the education sequence.

In order to begin study in the department, students must have completed with a minimum overall cumulative average of 2.5 in the following:

1. Queens College English requirements, with an average grade of B in English 110 and 120;
2. Queens College and CUNY mathematics entrance requirements including successful completion of Math 6, if required;
3. At least two of the three required semesters of foreign language study;
4. At least five of the seven categories of LASAR or 20 of the 31 -credit total.

Departmental progress standards include:

1. Maintenance of a 2.5 grade-point average;
2. Completion, with a minimum grade of C, of an advanced writing course, such as English 200, if the average grade in English 110 and 120 is less than B;
3. Unless exempt, Mathematics 19 (Mathematics for Elementary Teachers) which is a prerequisite for EECE 333 (Mathematics in the Elementary School), EECE 339 (Teaching Mathematics and Science in the Open Classroom), and EECE 350 (Curriculum I - Pre-primary). See the EECE Undergraduate Coordinator about an exemption from these requirements for all majors other than Mathematics;
4. Evidence of effective written communication. Early in the professional preparation sequence, students will be asked to produce, on demand, a short writing sample to determine proficiency in written composition. If additional work is needed, students will be required to register for an additional college writing course or work on writing skills through an individual plan determined with an adviser;
5. Satisfactory oral communication. If a student is found to have difficulty in this area, as determined by faculty, the student will be required to take one of the following courses: Public Speaking (CAS 251), Introduction to Interpretation (CAS 160), Argumentation (CAS 153), Introduction to Acting (Drama 100), or Experimental Theatre Workshop (Drama 241), or will have to work out a satisfactory alternative with the adviser;
6. Satisfactory approaches to teaching. The clinical portion of the program is designed to ensure student progress. In individual cases of unsatisfactory performance, a faculty committee in Elementary and Early Education reviews the case and recommends either remedial action or that the student pursue other study;
7. Effective work with children from diverse backgrounds;
8. Demonstrated competence with respect to knowledge of drug and alcohol abuse, child abuse and mistreatment, as well as sex education with AIDS. The department will advise students on methods for meeting this requirement.

There are three professional education sequences within the Department of Elementary and Early Childhood Education that are designed to meet the New York State requirements of certification for pre-kindergarten through grade 6. Each of these leads to a B .A. degree in the department. These are the Early Childhood Education, Elementary Education, and the School-within-a-School programs. They are described more fully below, and additional details may be obtained from the department.

Students may not take education sequence courses by the P/NC option. All *Incomplete* work must be completed before applying for certification.

All undergraduate education courses are field-centered.

Undergraduate Education Certification Sequences

In order to complete a Queens College Bachelor of Arts degree leading to certification in elementary education, a student must 1) major in an approved Liberal Arts and Sciences major program, and 2) complete as a co-major one of the EECE undergraduate sequences for elementary and early childhood education leading to New York State certification for pre kindergarten through grade 6. The three certification sequences are given below:

The Elementary Education Professional Sequence

This sequence is for students whose primary interest is teaching in grades 1-6. It leads to New York State Certification in elementary education (pre-K-6). It is a coherent program characterized by the integration of classroom instruction and clinical experience. Students accepted to the program typically begin in the first half of the junior year, and generally continue as follows:

Semester

Lower Junior or Upper Junior

EECE 201	Educational Foundations	2 cr.
EECE 211	Educational Psychology I	2 cr.
EECE 322	Clinical Experience I	1 cr.

The above courses are to be taken together as co-requisites.

EECE 220	Learning Technologies in the Classroom	2 cr.
Music 261	Music for Children (Elementary Education)	3 cr.
	<i>or</i>	
Music 262	Music for Children (Early Childhood Education)	3 cr.
Math 19	Mathematics for Elementary Teachers	3 cr.

During the junior year, students may also complete Queens College Baccalaureate and LASAR requirements and their liberal arts or sciences major courses, leaving only Elementary Education courses for both semesters of their senior year.

Lower Senior

EECE 212	Educational Psychology II	2 cr.
EECE 323	Clinical Experience II	1 cr.
EECE 315	Reading I	3 cr.
EECE 330	Language Arts in the Elementary School	2 cr.
EECE 331	Social Studies in the Elementary School	2 cr.
EECE 324	Clinical Experience III	1 cr.
EECE 332	Science in the Elementary School	2 cr.
EECE 333	Mathematics in the Elementary School	2 cr.
EECE 325	Clinical Experience IV	1 cr.

This field-based professional sequence involves three full days each week.

Upper Senior

EECE 362	Student Teaching*	8 cr.
EECE 317	Reading II	3 cr.
EECE 232	Art Education in the	2 cr.

Elementary School

For more information and to apply to become a co-major in the Department of Elementary and Early Childhood Education, see the Undergraduate Coordinator in Powder maker Hall 180.

*Students with prior teaching experience as paraprofessionals or teacher trainees may take EECE 363 (3 cr.) in lieu of EECE 362.

School-within-a School (SWS) Professional Year

The SWS Professional Year is a senior year program that prepares students to be certified to teach pre-kindergarten through grade 6 in New York State. Students teach in carefully selected open classrooms for an entire school year. Pedagogy courses are taken along with the field placement experience. Prior to beginning the program, students must have completed all general education requirements and most of their liberal arts and sciences major requirements, and have taken EECE 201, Educational Foundations; EECE 211, Educational Psychology I; Music 261, Music for Children; and EECE 220, Learning Technologies in the Classroom.

First Semester

EECE 212	Educational Psychology II	2 cr.
EECE 331	Social Studies in the Elementary School	2 cr.
EECE 340	Reading: Language Experience and Literature	4 cr.
EECE 339	Teaching Mathematics and Science in the Open Classroom	4 cr.
EECE 364	Student Teaching I	3 cr.

Second Semester

EECE 317	Reading II	3 cr.
EECE 232	Art Education in the Elementary School	2 cr.
EECE 341	Educational Psychology and Curricular Implications	2 cr.
EECE 365	Student Teaching II	6 cr.

Students interested in more information should see Professor Arthur Salz or Professor Harold Sobel in Powder maker Hall 176.

**Early Childhood
Education Program**

This program differs from the Elementary Education sequence by its strong emphasis on teaching in pre-primary and primary settings. Pre-primary programs include nursery school, day care, head start, pre kindergarten, and kindergarten. Primary includes grades 1-3. It leads to New York State certification for pre-kindergarten through sixth grade. It is a three-semester sequence, normally begun in the junior year.

Semester 1+

EECE 201	Educational Foundations	2 cr.
EECE 211	Educational Psychology 1	2 cr.
EECE 220	Learning Technologies in the Classroom	2 cr.
EECE 322	Clinical Experience I	1 cr.

Semester II

EECE 350	Curriculum I-Pre-primary	4 cr.
EECE 315	Reading I	3 cr.
EECE 231	Expressive Arts in Early Childhood	2 cr.
EECE 360	Clinical Experience and Student Teaching-Pre-primary	5 cr.

Semester III

EECE 212	Educational Psychology II	2 cr.
EECE 317	Reading II	3 cr.
EECE 351	Curriculum II-Primary	4 cr.
EECE 361	Clinical Experience and Student Teaching-Primary	5 cr.

+Students are advised to also take Music 262 as an elective in Semester 1.

Students interested in more information should see Professor Linda Gibson in Powder maker Hall 185 or Professor Judith Schwartz in Powder maker Hall 187.

Special Admissions Programs

Prospective graduate students who did not major in elementary or early childhood education during undergraduate study may prepare for admission to the 30-credit master's degree program by additional study in an advanced seminar program.

Information is available from the Coordinator of Graduate Programs, Powder maker 181. To be considered for admission, the candidate must have a bachelor's degree with a cumulative index of at least B. All candidates will be interviewed. Satisfactory completion of this program prepares a student for study in the graduate elementary and early childhood education and services programs and for graduate programs in reading, special education, and teaching of English as a second language. The *Graduate Bulletin* gives more detailed information.

Area Requirements

Any one of the following 3-credit courses may be used to satisfy half of the LASAR for the social sciences: EECE 104, Introduction to Urban Education; EECE 105, Moral Education: Theory and Practice; EECE 106, The Politics of American Education. These courses are open to any undergraduate student.

Courses

104./Urban Studies 117. Introduction to Urban Education. 3 hr.; 3 cr :

This course is designed primarily for non Education majors. The focus is on the structure and history of education in the United States, especially the urban areas. It will explore questions involved in such areas as desegregation, financing, socioeconomic class, multicultural populations, and teaching as a profession.

105. Moral Education: Theory and Practice. 3 hr.; 3 cr :

Examination of ways children and adolescents are initiated into moral values; the roots of moral constraint and cooperative behavior.

106. The Politics of American Education. 3 hr.; 3 cr :

Prereq.: Freshman or sophomore standing. The history and development of governance at federal, state, and local levels with regard to education: an analysis of historical and contemporary educational issues and events with emphasis on the various power bases and coalitions that were and are involved. Theoretical, actual, and futurist models of education decision-making will be explored,

201. Foundations of Education. 3 hr.; 2 cr :

Prereq.: Admission to the EECE program. A critical investigation of the educational enterprise through philosophical, historical, and sociological models; analysis of educational decisions. Will include field trips to schools and classroom observations. This course is required of all EECE majors.

211. Educational Psychology 1: Human Development. 2 hr.; 2 cr :

Prereq.: Admission to the EECE program. This course explores child development from infancy through adolescence. Developmental theory and research are examined in the areas of perception, cognition, language, personality, social relations, moral behavior, and developmental disorders. Special emphasis is placed on the educational implications of developmental findings. This course is required of all EECE majors.

212. Educational Psychology II: Learning. 2 hr.; 2 cr :

Prereq.: EECE 201,211,322. Examination of major learning theories and general principles underlying effective instruction. This course is required of all EECE majors.

220. Learning Technologies in the Classroom. 2 hr.; 2 cr :

Prereq.: Admission to the EECE program. A study of the technical aids available for teaching. These include computers, video and audio recorders, audio and video disc players, video, movie, and still cameras, and various types of projectors. Commercial media materials and programs

available for use in schools with these tools will be examined. This course is required of all EECE majors.

231. Expressive Arts in Early Childhood. 3 hr.; 3 cr :

Prereq.: Admission to the EECE program; 201, 211, and 220. Topics covered will include the expressive arts appropriate to teaching young children, including graphic and plastic arts, music, and movement activities. This course is required in the Early Childhood sequence.

232. Art Education in the Elementary School. 2 hr.; 2 cr :

Prereq.: Permission of department. Art activities for early childhood and elementary school children. Students will participate in art experiences appropriate to these age levels and explore the creative development of the child. This course is required in Elementary and SWS sequence.

290. Studies in Education. 290.1-290.3-1-3hr.; 1-3 cr.

Prereq.: Sophomore standing. Topics to be announced for each semester. May be repeated for credit provided the topic is changed.

315. Reading 1. 3 hr.; 3 cr :

Prereq.: 211 and 322; coreq. for Elementary, 212 and 323; for Early Childhood, 360.

A systematic exploration of the developmental levels of oral language and graphic symbol interpretation as they are related to reading comprehension. An examination of ways of motivating children for reading success through a total reading program. This course is required in the Elementary and Early Childhood Education sequence.

317. Reading 11.3 hr.; 3 cr :

Prereq.: 315 or 340; coreq. for Elementary, Student teaching 362; for Early Childhood, 361; for SWS, 365. A study of various methods used to teach reading and of techniques and measures to assess pupils' reading needs. Activities prepare students to choose materials, methods, and skills appropriate to the language background, reading levels, and learning needs of children in elementary school. This course is required in all three sequences.

322, 323, 324, and 325. Clinical Experience 1, 1I, 111, and IV. 2 hr.; 1 cr :

Prereq.: Admission to the EECE program; coreq.: for 322, EECE 201 and 211; for 323, EECE 212; for 324, EECE 330 and 331; for 325, EECE 332 and 333. These courses are designed to provide preservice teachers with opportunities to translate theory into sound pedagogical practices in a supervised setting. Classroom observations as well as laboratories are used as a basis for exploration and development of a repertoire of teaching methods. Field assignments provide varied experiences in working with children.

330. Language Arts in the Elementary Schools. 2 hr.; 2 cr :

Prereq.: English 120 and LASAR Humanities 1 and III, and EECE 220. A study of methods for providing appropriate classroom activities and materials in language arts for children from nursery school through the primary grades. This course is required in the Elementary Education sequence.

331. Social Studies in Elementary Schools. 2 hr.; 2 cr :

Prereq.: EECE 201 and 220; satisfaction of the LASAR Social Sciences requirement.

A study of methods for providing appropriate classroom activities and materials in social studies for children in nursery school through the primary grades. Among topics covered are map interpretation and geography, current events, community organization, and citizenship education. This course is required in the Elementary Education and SWS sequences.

332. Science in the Elementary Schools. 2 hr.; 2 cr :

Prereq.: Satisfaction of the LASAR Scientific Methodology and Quantitative Reasoning requirements; EECE 201 and 220. A study of methods and materials appropriate for teaching science to children in kindergarten through grade 6. Includes a survey of topics in the natural sciences. This course is required in the Elementary Education sequence.

333. Mathematics in the Elementary Schools. 2 hr.; 2 cr :

Prereq.: Math 19 and the LASAR Scientific Methodology and Quantitative Reasoning requirement; EECE 201 and 220.

A study of methods and materials used in teaching mathematics to children in nursery school and through grade 6. This course is required in the Elementary Education sequence.

339. Teaching Mathematics and Science in the Open Classroom. 4 hr.; 4 cr :

Prereq.: Admission to the SWS program and EECE 220; Math 19. Satisfaction of the LASAR Scientific Methodology and Quantitative Reasoning requirements.

A study of methods and materials appropriate for the teaching of science and mathematics to children in open classrooms. Topics in mathematics and natural science necessary to elementary school teaching will also be covered. This course is required in the SWS sequence.

340. Reading: Language Experience and literature. 4 hr.; 4 cr :

Prereq.: Admission to the SWS program; completion of English 120 and the LASAR Humanities I and III requirements. This course, for prospective open classroom teachers, is based on a "whole language" approach to reading. The motivation of children to read with appreciation and understanding is emphasized. This course is required in the SWS sequence.

341. Educational Psychology and Curricular Implications. 3 hr.; 2 cr :

Prereq.: SWS first semester courses, including EECE 212.

A study of the principles underlying effective school learning and procedures for developing individualized instruction. Pedagogical theory, methodology, and curriculum development are integrated into one unit. This course is required in the SWS sequence.

350. Curriculum 1: Pre-primary Curriculum. 4 hr.; 4 cr :

Prereq.: Completion of the first semester of the Early Childhood Education sequence; completion of the College LASAR; coreq.: 360.

A study of curricula appropriate for children 3 to 6 years of age. The course takes an integrated approach to the teaching of literature, language arts, mathematics, science, and social studies. This course is required in the Early Childhood sequence.

351. Curriculum 11: Primary Curriculum. 4 hr.; 4 cr :

Prereq.: EECE 315,350; coreq.: 361. A study of the elementary school curriculum, grades 1-6, with an emphasis on grades 1-3. Included is a study of methods and materials useful for the subject areas of social studies, mathematics, science, and the language arts. This course is required in the Early Childhood sequence.

360. Pre-primary Clinical Experience and Student Teaching. 15 hr.; 5 cr :

Prereq.: Completion of EECE 201, 211,220, and 322. The Pre-primary Clinical Experience and Student Teaching accompany the curriculum course (EECE 350) for this level. Fifteen hours weekly in pre-primary classrooms and in laboratory settings. This course is required in the Early Childhood sequence.

361. Primary Clinical Experience and Student Teaching. 15 hr.; 5 cr :

Prereq.: EECE 360 and permission of department. The Primary Clinical Experience and Student Teaching (EECE 361) accompany EECE 351 which includes grades 1-6 with emphasis on grades 1-3. Fifteen hours weekly in primary classrooms and in laboratory settings at the College. This course is required in the Early Childhood sequence.

362. Student Teaching. 24 hours per week; 8 cr.

Prereq.: Permission of the department. Supervised observation and student teaching on the pre-kindergarten and kindergarten levels and in grades 1-6 of the elementary school for a total of at least 365 clock hours. The semester is divided into two or more periods of several weeks each, at least one of which takes place in a school in an economically depressed neighborhood. The student teacher works in the classroom for four-and-a-half days a week, the other half day is spent on campus in seminars. The student participates in all activities of the regular teacher, including staff and parent teacher meetings and school-community programs. This course makes demands equivalent to 18 semester hours of study. Students may not engage in any activities or make any commitments that will interfere with the responsibilities of student teaching. This course is required in the Elementary Education sequence.

363. Student Teaching for Students with Prior Experience. 10 hr.; 3 cr :

Prereq.: Permission of department. Supervised observation and student teaching in elementary schools. This course may be taken by students with prior experience as a paraprofessional or teacher trainee in lieu of EECE 362 as part of the Elementary Education Professional sequence.

364. Student Teaching 1.3 days per week in school placement; 3 cr :

Prereq.: Admission to SWS program; coreq.: SWS Block I courses. Supervised observation and participation in selected "open" elementary school classrooms.

365. Student Teaching 11.4 days per week in school placement; 6 cr :

Prereq.: EECE 364; coreq.: SWS Block II courses. Continuation of Student Teaching I with the student carrying increased responsibility for children's learning. Placement is in a different school, with children of different age and socioeconomic background.

390. Studies in Education. 390.1-390.3 1-3 hr.; 1-3 cr.

Prereq.: Junior standing and permission of department. Topics to be announced for each semester. May be repeated for credit provided the topic is changed.

Bilingual/Multicultural Education

Students interested in special studies in Bilingual/Multicultural Education should meet with Professor Rafael Olivares.

Note: English 95 or its equivalent is the minimum corequisite for all courses (see pp. 38, 124). +- offered *either* Fall or Spring; see *Class Schedule*

++-may be offered; see *Class Schedule*

SECONDARY EDUCATION AND YOUTH SERVICES

Chair: Edward J. Tejirian

Dept. Office: Powder maker 193,997-5150

Professors: Castiglione, Krummel, Proefriedt, Zevin;

Associate Professors: Anderson, Armour-Thomas, Artzt, Tejirian;

Assistant Professors: Brewer, Moncada-Davidson, Rosenthal;

Department Secretary: Nava

Middle School, Junior High, and Senior High School Teachers Prospective middle school, junior high, and senior high school teachers major in a liberal arts and sciences subject area and take at least 20 professional education credits, the total number depending on the requirements of each professional area. During the semester in which students take the first course, Secondary Education 201, they must see their subject matter adviser and register as a Secondary Educations minor. Their adviser will help the student plan subsequent courses. Art education majors are required to complete 23 education credits.

State teacher certification mandates that students demonstrate teaching competence concerning drug and alcohol abuse, child abuse and mistreatment, and sex education. The department will advise students on various ways they can meet this requirement, as well as the latest changes involving state certification. *Students must see an adviser to obtain current information.*

Science Teachers

Through careful planning, students may satisfy both science and mathematics certification requirements if they continue in the graduate program leading to the master's degree.

Special Admissions

A Special Admissions Program consisting of 42 credits is available to students who have a B.A. degree with a major in a field acceptable for State certification, but without an undergraduate minor in education. To be admitted, students must have a cumulative average in their major of at least 3.0. In addition, they are expected to meet the general admissions and matriculation requirements of the College. Students seeking admission to this program should apply to Professor Lester Rosenthal. More detailed information is given in the *Graduate Bulletin*.

Suggested Program of Study

Please note: Some students may prefer to begin the sequence earlier. Courses in the Secondary Education and Youth Services Department carry the prefix SEYS.

Lower Junior	SEYS 201
Upper Junior	SEYS 221
	SEYS 333 (for Art majors)
Lower Senior	SEYS 222
	SEYS 360, 361,362, 363,364, 365, 366, 367, 368,369
	(whichever applies)
Upper Senior	SEYS 370, 371,372, 373,374, 375, 376, 377, 378,379
	(whichever applies)

LASAR

Secondary Education (SEYS) 216/American Studies 216 may be used to satisfy LASAR requirements for the social sciences.

Courses

201. Contemporary Education: Principles and Practices. 5 hr.; 4 cr :

Prereq.: Sophomore standing. To develop an understanding of education in a democratic society. Students are helped to formulate criteria by which they can evaluate various principles and practices of contemporary education and are given opportunities to examine the possibilities of a career in education or an allied field. Guided visits to public and private educational institutions are part of the course activities.

216./American Studies 216. Education and the American Myth of Success. 3 hr.; 3 cr :

Prereq.: Upper sophomore standing and English 120This course will examine American definitions of success as they reveal themselves through American cultural history. From an interdisciplinary perspective, the class will also consider educational policies and practices as they

have emerged within the cultural context and have helped shape the American myth of success. Readings will be drawn from economic, sociological, and educational theory, as well as from literature, popular culture, advertising, and the public statements of business and industrial leaders.

221,222. Human Development and Learning. 3 hr.; 3 cr :

each sem. Prereq.: For SEYS 221, SEYS 201; for SEYS 222, SEYS 221. Emphasizes early childhood through adolescence. Designed to help students understand factors underlying physical and mental development and the learning process. Field work assignments involve case studies of individual children, regular work with groups of children in schools, centers, and appropriate agencies. Education students should not take Psychology 224.

260. Individual and Group Instruction for Reading

Improvement/Secondary Grades. 2 class hr., 2 lab. hr.; 3 cr :

Prereq.: SEYS 201 and 22 I. Techniques and diagnosis, prescription, and implementation of reading activities. Laboratory work with individuals and with small groups.

261. Improvement of Reading in the Content

Areas/Secondary. Grades. 2 class hr., 2 lab. hr.; 3 cr :

Prereq.: SEYS 201 and 221. The role of classroom teachers of all subject areas in developing and enhancing the reading abilities of every student.

290. Studies in Education. 290.1-290.61-6 hr.; 1-6 cr.

Prereq.: Permission of department. Topics to be announced for each semester. May be repeated for credit provided the topic is changed.

333. Student Teaching of Art in Elementary School. 1 seminar hr., 4 lab. hr. (leave free the afternoon of the day on which class meets for field work); 3 cr :

Prereq.: Permission of department. Prereq. or coreq.: SEYS 221 .

350. Selected Topics in Secondary School Social Studies. 3 hr. (participation and observation one morning or afternoon per week) and 4 class hr.; 4 cr :

Prereq.: SEYS 201; prereq. or coreq.: SEYS 22 I or registration in a special program in secondary education. Studies of modern materials and learning activities. Students may repeat course for credit if there is no duplication of topics.

351. Methods and Materials of Teaching Foreign Languages in Elementary Schools. 3 hr.; 3 cr :

Prereq.: A concentration form approved by the appropriate language department at the College. It integrates research-based principles of second language acquisition within the elementary school curriculum and program development. Students who already have certificates to teach in Secondary or Elementary Schools who wish to take this course should consult with the department.

360. Seminar in Preparation for the Role of Teacher of a Specific Academic Subject in the Secondary Schools. 3 hr. (participation and observation one morning or afternoon per week) and 4 class hr.; 4 cr :

Prereq. or coreq.: SEYS 222,

- 360. Seminar in the Teaching of English
- 361. Seminar in the Teaching of Mathematics
- 362. Seminar in the Teaching of Science
- 363. Seminar in the Teaching of Social Studies
- 364. Seminar in the Teaching of Foreign Languages
- 365. Seminar in the Teaching of Art
- 366. Seminar in the Teaching of Home Economics
- 367. Seminar in the Teaching of Music
- 368. Seminar in the Teaching of Health Education
- 369. Seminar in the Teaching of Physical Education

370. Student Teaching in a Junior or Senior High School. 8 hr.; 6 cr :

Prereq.: A grade of 2.75 in the major and a 3.0 average in SEYS 201,221, and 222; a grade orb or better in SEYS 360, and average of C+ or better in English 110 and 120, and completion of all incompletes in the major and in education courses.

- 370. Student Teaching in English
- 371. Student Teaching in Mathematics
- 372. Student Teaching in Science
- 373. Student Teaching in Social Studies
- 374. Student Teaching in Foreign Languages
- 375. Student Teaching in Art
- 376. Student Teaching in Home Economics
- 377. Student Teaching in Music
- 378. Student Teaching in Health Education
- 379. Student Teaching in Physical Education

EDUCATIONAL AND COMMUNITY PROGRAMS

Chair: Randall Tobias

Dept. Office: Powder maker 051,9975250, 5251

Professors: Berger, Dunn, Fredman, Gambino, Gob, Hittleman, Margolis, Schwartz, L., Seiferth, Vazquez, Yoshida;

Associate Professors: Brown, Fish, Tewel, Tobias, Truesdell;

Assistant Professors: Denny, Jones, Lopez, Norris, Ross, Rountree, Shumsky;

Departmental Secretaries: Crohn, Hyber

Administration and Supervision Counselor Education

Reading Education

School Psychology

Special Education

For further information, including competency information, see the *Graduate Bulletin*.

Courses

The Department will not be offering any courses in 1993-95.

1. Interpersonal Relations. 2 lec., 2 lab. hr., weekend lab. experience; 4 cr :

Prereq.: Permission of instructor. This course serves as the introduction to the study of groups. It focuses on the effects on group processes of the relationships among individuals. The subject matter is pursued through actual participation in small groups as well as through reading assignments and theoretical discussions. Students are required to participate in a group experience that takes place off campus in the middle of the semester. There is a minimal fee to cover the cost of lodgings.

2. Seminar in Small Group Processes. 3 hr.; 3 cr :

Prereq.: ECP 1. Several aspects of group processes (such as leadership, problem solving and decision making, communication patterns, emotional climate, etc.) have been selected for study in this course. Students shift from the role they had in ECP I of participant to the role of observer as they make systematic observations of groups in action. They learn to use and construct scales for recording and analyzing behavior in groups and to apply these data to specific theoretic construct systems.

3. Theory and Method in Training Groups 1. 3 hr.; 3 cr :

Prereq.: ECP 1; coreq.: ECP 2. This course is taken with ECP 2 and deals with similar as well as other aspects of group processes. The course a) increases knowledge about group processes, and b) provides students with experience in applying that knowledge to working with groups. Students take turns acting as leaders or consultants to the rest of the class. They design learning strategies which enable the class to gain insight into selected aspects of group functioning.

4. Theory and Method in Training Groups 11. 3 hr. class plus field work; 3 cr :

Prereq.: ECP 2 and 3. This course deals with techniques for introducing change in small groups and in organizations. Through field experiences, students acquire skills in functioning as leaders and change agents. They plan and implement intervention strategies designed to bring about changes in groups. They are required to locate groups which are interested in working on some aspects of their functioning. (Among the groups they work with are students' organizations and committees, freshman weekend groups, and small working groups within an organization.)

5. Human Behavior in Organizations. 3 hr. class plus field work; 3 cr :

Prereq.: ECP I or junior standing. In this course the emphasis is on the effects of different organizational structures on human behavior as well as the ways of bringing about changes within organizations. For their field work, students observe an organization over the course of the semester and learn the methods of analyzing its structure.

6. Practicum in Group Leadership. 8-9 hr. weekly, weekend lab. experience; 4 cr :

Prereq. or coreq.: ECP 4. Open to four advanced students who work with the instructor of ECP 1 as teaching assistants, planning and implementing the teaching strategies. Three of the students function as leaders for the smaller training (T) groups. The fourth student, who has previously demonstrated advanced leadership skills, works with the instructor to monitor the groups and give feedback to the leaders.

ENGLISH

Chair: Charles H. Molesworth

Associate Chair: Bette Weidman

Associate Chairs for Composition: Janice Peritz, Nancy Comley

Assistant to the Chair: Steven Kruger

Graduate Adviser: David Richter

Dept. Office: Klapper 607, 997-4600

Distinguished Professor: Kaplan;

Professors: Barker, Buell, D'Avanzo, Day, Deen, L., Dickstein, Epstein, Frosch, Green, Leavy, Martin, McCoy, McElroy, Molesworth, Ronald, Richter, Schechter, Schotter, Stone, Timko, Tytell;

Associate Professors: Bowen, Comley, Deen, R., Fox, Friedman, Gross, Held, Isler, Kelly,

Kleinbard, Kowal, Kruger, Lyons, Mahon, McKenna, Menand, Pentz, Phillips, Sargent,

Summerfield, Tucker, Waters, Weidman, Whatley, Zimmerman, Zimroth;

Assistant Professors: Geis, O'Brien, Raben; *Lecturers:* Cuomo, Dignon;

Adjunct Assistant Professors: Sirlin, Warren; *Graduate*

Assistants: Basile, Carroll, Collins, Hadeshian, Haronian, Nelson, Prosser, Radler, Stickney, Timm, C.;

Adjunct Lecturers: Altman, Blais, Boufis, Brown, Cochran, Davison, Fanuzzi, Farhood-Karasavva,

Fenig, Gallagher, Goodman, Johnson, Karabeyoglu, Kole, Leo, Lewis, Mandelbaum, McMahon,

McQuillan, Mendelsohn, Menna, Moreland, Moskowitz, Nargolwala, Pamplin, Payne, Shollar,

Shuchman, Taplin, Tilton, Timm, R., Wadenpfohl, Zaluda; *Department Secretary:* Beckerman;

Office Assistants: Barberi, Diaz

Courses in the Department of English are designed to acquaint students with British and American literature and to enrich their understanding of life and the arts. Period courses aid in the comprehension and enjoyment of these literatures and of their historical, social, and cultural backgrounds. Genre courses present the development and significance of such forms as the drama and the novel. Courses on individual authors cultivate an appreciation of artistic personality and method by intensive study of complete works. In seminar and honors courses, approved students find opportunity for individual study and research. Courses are also included to meet the particular needs of those who are preparing for creative writing and for journalism, as well as for those who plan to teach English in high school or college. A detailed *English Department Handbook* can be obtained in the department.

The Major

Students may qualify for graduation as English majors by meeting the requirements of either the Honors or the Pass program. Students must file their concentration with the department not later than their lower junior semester. However, the concentration form may be modified after approval as long as all requirements in the sequence are fulfilled.

Honors Program. Open to students by application. To qualify for admission, students must prove distinction by obtaining the recommendation of a faculty member, by earning an average of 3.3 in English 251 and 252, and by maintaining English and College indices of at least 3.3.

To meet the requirements for graduation as an English major with department honors, candidates must demonstrate excellence in a course sequence of at least 36 credits, arranged with and approved by an honors adviser; in a minimum of one honors seminar (English 399, usually taken in the upper junior semester); and on an English honors examination (usually taken in the upper senior semester). Candidates may also write an honors thesis in the senior year; coursework for the thesis cannot be counted toward the 36-credit course sequence.

The English honors program provides a flexible, yet rigorous, background for the able English major who seeks to develop a more individual, while more enriched, undergraduate curriculum. Students are urged to elect suitable patterns of study with the help and approval of the English honors adviser, who is available for consultation and guidance. In addition to regular department offerings, honors seminars, and honors tutorials, these should include courses in the humanities (history, philosophy, art, music, comparative literature), as well as preparation in foreign languages and literature. Candidates preparing for graduate study should be aware that doctoral programs in English often require reading ability in at least two languages (French, German, Italian, Latin, and Greek are preferred), and critical experience such as that gained in English 382.

Interested students should meet with the honors adviser to discuss the program as early as possible in their college careers.

Pass Program. A student may meet the requirements for graduation as an English major by maintaining an index of 2.0 in the required and elective work in English and by completing one of the course sequences outlined on pages 125-26. A transfer student must take a minimum of 18 elective credits in English at Queens.

The CMP Publications Scholarship

in English is awarded to a sophomore or junior who is majoring in English, has an outstanding academic record, and intends to pursue a career in publishing. The scholarship, which carries an award of \$500, also offers the recipient an opportunity to be interviewed for a Summer position at CMP Publications, Inc., located in Manhasset, New York, for the Summer following receipt of the award. Information on the criteria and application deadline is available in the English Department.

Pre-journalism

Queens College does not offer a major in journalism but does offer a minor (see page 158). Students interested in postgraduate training or careers in journalism and publishing are urged to major in English, history, political science, communication arts and sciences, or one of the other liberal arts disciplines, and to acquire as broadly based an education outside their major as they can. They can gain some valuable experience while working for the campus press as an extracurricular activity, and in journalism and publishing internships sponsored by the Departments of English and Communication Arts and Sciences.

The following courses may be of interest to pre-journalism students:

English 220. Introduction to Editing
 English 225. Newspaper and Article Writing
 English 303. Essay Workshop
 Sociology 218. Mass Communication and Popular Culture
 CAS 102. Introduction to Media
 CAS 109. Freedom of Speech
 CAS 244. Media Analysis and Criticism
 CAS 266. Electronic Print and the Publishing Industry
 CAS 345. Media Information Systems

An interdisciplinary advisory committee for pre-journalism students has been set up with representatives from the English, Communication Arts and Sciences, and Sociology Departments. Students may consult any of these departments for referral to counseling on professional schools and careers.

Courses

Prescribed Composition Courses

All entering freshmen must take the English Placement Examination (CUNY Writing Assessment Test). The result of this examination determines which writing course students will enroll in (see page 38). Students should complete the composition requirements by the end of their freshman year.

The English Department recognizes for transfer credit independent study courses taken in such programs as the New York State Regents External Degree Program, the New York State College Proficiency Examination Program, the College Level Examination Program (CLEP), the College Entrance Examination Board Advanced Placement Examinations (AP), and the United States Armed Forces Institute Tests (USAFI). Students must achieve a grade of C or better (or the numerical equivalent) for transfer credit. In the CLEP examinations, only the special subject examinations are accepted. When such examinations have an optional essay provision, the essay must be included. For information about exemption policies, inquire of the Evaluations Committee of the English Department.

Questions regarding the composition requirement should be addressed to Professor Janice Peritz. The following four courses are available for students enrolled in SEEK.

1. Basic Writing. 4 hr. plus conf; 0 cr.

Emphasis is on basic grammar, a sense of the sentence, and a sense of the paragraph. For students who score 5 or lower on CUNY Assessment Test.

100. An Introduction 10 Composition. 4 hr. plus conf.; 2 cr :

Prereq.: Score between 6 and 9 on CUNY Assessment Test in writing. Emphasis is on the concepts of paragraphing, grammar, and usage as well as on description and narration. The course includes selected prose readings.

101. English Composition. 4 hr. plus conf.; 3 cr.

Prereq.: English 100 or score of 10 or higher on CUNY Assessment Test in writing. Emphasis is on the expository essay and on the research paper. The course includes selected prose readings.

102. Introduction 10 Literature and Analysis. 4 hr. plus conf.; 3 cr :

Prereq.: English 101. Emphasis is on analysis in reading and in writing. The course combines continued training in writing clear and effective essays with studies in literature.

ENGLISH DEPARTMENT COURSES**95. Introduction to College Writing. 4 hr.; 3 cr :**

Prereq.: Entrance determined by results of placement examination. Emphasis will be on a variety of writing forms, including narration, description, and analysis; attention will be given to matters of grammar, syntax, punctuation, and diction. The student will spend one hour per week meeting in conferences, small groups, or other formats for intensive writing instruction and practice.

110. English Composition 1.4 hr.; 3 cr :

Prereq.: English 95 or results of placement examination, and passing grade on the CUNY Assessment Test or its equivalent as approved by the department.

Emphasis will be on clear, correct, and effective writing. Students will be introduced to methods of research and documentation. The student will spend one hour per week meeting in conferences, small groups, or other formats for intensive writing instruction and practice.

120. English Composition 11: Writing and Literature. 3 hr. plus conf.; 3 cr :

Prereq.: English 110 or high pass on placement examination. Continued practice in various modes of writing, together with close reading of different kinds of literary texts.

It is recommended that students take Tier I courses(140, 151,152, 153, 154, 155,156) before taking advanced electives.

COURSES PRIMARILY FOR FRESHMEN AND SOPHOMORES

Students who plan to major in English should take English 140. Courses below English 200 do not satisfy the free elective choices of the various department majors, or the minor.

140. Introduction to Poetry.. 3 hr. plus con[; 3 cr :

Prereq.: English 110 or high pass on placement examination. Close reading and critical analysis of a wide variety of English and American poetry of various periods. This course combines study of literature with continued training in clear and effective written expression. Meets the Humanities 1, Tier 1 requirement. Designed for prospective English majors.

Note: English 95 or its equivalent is the minimum corequisite for all courses (see pp. 38, 124). +- offered *either* Fall or Spring; see *Class Schedule*

***-may be offered; see Class Schedule*

151. Works of English Literature: A Course for Non majors. 3 hr.; 3 cr :

Prereq.: English 120. An introduction to the development of English literature from the Middle Ages to the twentieth century through a study of selected poetry, drama, fiction and/or nonfictional prose. Authors include Chaucer, Shakespeare, Milton, Swift, Keats, Dickens, and Joyce. Meets the Humanities I, Tier I requirement. Designed for non majors.

152. Works of American Literature: A Course for Non majors. 3 hr.; 3 cr :

Prereq.: English 120. An introduction to the development of American literature from its beginnings to the twentieth century through a study of selected poetry, drama, fiction, and/or nonfictional prose. Authors studied may include Thoreau, Hawthorne, Whitman, Dickinson, O'Neill, Hemingway, and Wright. Meets the Humanities I, Tier I requirement. Designed for non majors.

153. Introduction to the Bible. 3 hr.; 3 cr.

Prereq.: English 120. Selected books of the Old and New Testaments in English translation. Cannot be taken for credit if student has taken English 381. Meets the Humanities I, Tier I requirement. Designed for non majors.

154. Great Works of Fiction. 3 hr.; 3 cr :

Prereq.: English 120. An introduction to fiction through a reading of great novels and short stories from various periods. Meets the Humanities I, Tier 1 requirement. Designed for non majors.

155. Great Works of Drama. 3 hr.; 3 cr :

Prereq.: English 120. A careful reading of important plays from different periods, designed to give the student a grasp of the history of dramatic literature, the variety of dramatic forms, and the possibilities of theatrical craft. Meets the Humanities I, Tier 1 requirement. Designed for non majors.

156. Introduction to Shakespeare. 3 hr.; 3 cr :

Prereq.: English 120. A basic course in Shakespeare's plays and poems, Meets the Humanities I, Tier 1 requirement. Designed for non majors.

200. Essay Writing. 3 hr. plus conf.; 3 cr :

Prereq.: English 120 or exemption from English 120 The writing and criticism of formal and informal essays, various types of articles, reviews, and reportage, designed to develop effective expression in an individual and personal style. Fall, Spring

201. Essay Writing for Special Fields. 3 hr. plus conf.; 3 cr :

Prereq.: English 120 or permission of instructor. An intermediate expository writing course using forms and modes appropriate to various professions and disciplines. Special fields covered in the past have included medicine, law, business, computer science, teaching, psychology, music, art, and film. Some sections of this course will be limited to students enrolled in the Business and Liberal Arts minor.

The English Literature Sequence

	<i>credits</i>
1. English 140, 251, and 252	9
2. one course from 31 O, 311, 312, 313, 320, 340	3
3. one course from 321,322, 341,344	3
4. one course from 323,324, 345	3
5. one course from 330, 331,332, 333,334	3
6. one course from 350, 351,352, 354, 355, 357, 358, 359, 360, 361	3
7. five free choices from the elective offerings of the English department, level 200 or above	<u>15</u>
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The American Literature Sequence

	<i>credits</i>
1. English 140, 251, and 252	9
2. English 350 and 351	6
3. one course from 321,322, 323,324	3
4. one course from 332, 333, 334	3
5. one course from 357, 358, 359	3
6. English 352	3
7. two courses from 354, 355,356, 357, 358, 359, 360, 361, 370, 371,393,395	6
8. two free choices from the elective offerings of the English department, level 200 or above	<u>6</u>
	39

Students taking the American literature sequence are urged to include courses in American history and culture among their free electives.

The Pre-Law Sequence

credits

1. English 140, 251, and 252	9
2. English 200, 201, or 211	3
3. one course from 225 or 303	3
4. English 380 and 381	6
5. English 295	3
6. English 350 and 351	6
7. one course from 310, 311, 312, 313, 320, 321, 330, 331,332, 333, 334, 340, 341,344, 357	3
8. one course from 323,324, 345, 346, 352, 358, 359, 360, 361, 370, 371,373	3
9. one free choice from the elective offerings of the English department, level 200 or above	<u>3</u>
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Further information may be obtained from the Pre-Law sequence adviser: Professor Margaret Ranaid (SF 365).

The Teaching Sequence

	<i>credits</i>
1. English 140, 251, and 252	9
2. English 200, 201, or 211	3
3. English 290 or 295	3
4. one course from 382, 383, 384, 385	3
5. one course from 350, 351,352, 354, 355,357, 358, 359, 360, 361	3
6. one course from 332 or 333	3
7. one course from 310, 311,312, 313, 320, 321, 33 0, 331, 334	3
8. one course from 322,323,324, 344,345	3
9. one course from 346,353,370, 371,373,374, 376	3
10. two free choices from theelective offerings of the English department, level 200 or above	<u>6</u>
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The Writing Sequence

	<i>credits</i>
1. English 140, 251, and 252	9
2. English 210	3
3. three courses from 211,301,302, 303, 304*	9
4. one course from 350, 351,352	3
5. one course from 330, 331,332, 333,334	3
6. one course from 323,324, 344, 345	3
7. one course from 346, 353,370, 371,373, 374, 376	3
8. two free choices from the elective offerings of the English department, only one of which may be a writing course. (All courses above level 200.)	<u>6</u>
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*Students may repeat English 301,302, 303, and 304 once, but may not offer the repeated courses in satisfaction of requirement 3 above.

Special Sequences

Students may arrange other course patterns with the approval of the departments concerned.

English-Theatre Major

Students should choose from the Departments of English and Drama, Theatre, and Dance in accordance with the following pattern:

	<i>credits</i>
1. English 140, 251, and 252, and 332 or 333	12
2. three choices from 302, 332, 333,340, 341,370, 371,385	9
3. Drama 201 or 202; one of the following: Drama 203, 204, 205,206;Drama 100 or 231; Drama 111 or 115; plus six credits from the drama and Theatre curriculum (18 credits)	<u>18</u>
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Students majoring in English are urged to consider the offerings in classics and comparative literature when planning their free electives.

The Minor

A student may meet the requirements for graduation as an English minor by maintaining an index of 2.0 in the required and elective work in English and by completing the course sequence outlined below. At least 12 credits in the minor must be completed at Queens College.

	<i>credits</i>
1. English 140	3
2. English 251 and 252	6
3. one course from 350, 351,352	3
4. one course from 330, 331,332, 333,334	3
5. three free choices from the elective offerings of the English department	9
	24

210. Creative Writing. 3 hr. plus conf.; 3 cr :

Prereq.: B in English 120 or exemption from English 120. Introduction to the writing of poems, stories, and plays, planned primarily for qualified sophomores. Fall, Spring

211. Writing Nonfictional Prose. 3 hr.; 3 cr :

Prereq.: B in English 120 or exemption from English 120. The writing of nonfictional prose in various forms. This course is designed primarily for writing majors and for students who plan to take English 303. Fall, Spring

220. Introduction to Editing. 3 hr.; 3 cr :

Prereq.: English 110 or high pass on placement examination. The art of editing, with the skills of copy editing, proofreading, and indexing, introduced against the background of language history and style.

225. Newspaper and Article Writing. 3 hr. plus conf.; 3 cr :

Prereq.: B in English 110 or 120 or high pass on placement examination or permission of instructor. Preparing articles for newspapers and for magazines. Fall, Spring

251,252. Great Writers of English Literature. 3 hr.; 3 cr :

each sem. Prereq. or coreq.: English 140. A survey by the chief figures in English literature from the *Beowulf* poet to the twentieth century. Both of these courses are required for all students intending to major in English. Fall, Spring

265. An Introduction to Folklore. 3 hr.; 3 cr.

Prereq.: English 110. An introduction to the study of the oral literature and lore - fairy tales, legends, ballads, etc. - which have, from the earliest times to the present, circulated within rural communities and within urban groups unified by ethnicity, age, or occupation. Study and practice of techniques for collecting, classifying, and interpreting this material. Fulfills Humanities II/ LASAR.

280. Literature and Film. 3 hr.; 3 cr :

Prereq.: English 110 or high pass on placement examination. A study of the literary aspects of film art, focusing on its narrative and poetic structure. MAT charge, \$7. Fall, Spring

285. Studies in Literature and Film. 3 hr.; 3 cr :

Prereq.: English 110 or high pass on placement examination. The topic of the course, announced in advance, varies each semester. The course may be taken for credit more than once if the topic is different. MAT charge, \$7.+'

Note: English majors may offer only one film course (280 or 285), not both, as part of the major.

290. The English Language. 3 hr.; 3 cr,

Prereq. (or coreq. with permission of department): English 120 or its equivalent.

The study of modern English, its present structure, its early origins, and its development. Attention is given to vocabulary and semantics, the English language in America, and principles of linguistic change.

295. Modern English Grammar. 3 hr.; 3 cr,

Prereq.: English 110 or high pass on placement examination. The study of grammatical analysis and of problems of sentence construction, usage, and diction. The course compares traditional and new techniques. Fall, Spring

301. Short Story. Workshop. 3 hr. plus conf.; 3 cr :

Prereq.: B in English 210 or permission of instructor. The techniques of the short story, with three or four full-length short stories written and carefully revised by the student. May be repeated once for credit toward degree. Fall, Spring

302. Play writing Workshop. 3 hr. plus conf.; 3 cr :

Prereq.: B in English 210 or permission of instructor. The technique of writing plays, with at least one complete play, presumably in one act, written and carefully revised by the student. May be repeated once for credit toward degree. Fall, Spring

303. Essay Workshop. 3 hr. plus conf.; 3 cr :

Prereq.: B in English 211 or permission of instructor. The writing of nonfictional prose, including the review, the essay in literary and other criticism, and the personal essay. May be repeated once for credit toward degree. Fall, Spring

304. Poetry Workshop. 3 hr. plus conf.; 3 cr.

Prereq.: B in English 210 or permission of instructor.

Practice in the writing of poems. May be repeated once for credit toward degree. Fall, Spring

310. Old English. 3 hr.; 3 cr :

Prereq.: English 110 or high pass on placement examination. An introduction to Old English prose and poetry in the original.

311. Literature of the Anglo-Saxon Period. 3 hr.; 3 cr :

Prereq.: English 140. Old English literature in translation studied in the context of Western European culture of the period. Fulfills Pre-Industrial and/or NonWestern Civilization LASAR.

312. Medieval Literature, 1100-1500. 3 hr.; 3 cr.

Prereq.: English 140. The literature of Western Europe, studied principally in modern English translation. The Arthurian tradition will not be included.-;'

313. The Arthurian Tradition. 3 hr.; 3 cr :

Prereq.: English 140. The historical, legendary, and literary developments from Gildas to Malory.

320. Literature of the English Renaissance. 3 hr.; 3 cr :

Prereq.: English 140. The new English poetry and prose (non-dramatic) of the Tudor century, as illustrated in the work of such writers as More, Sidney, Spenser, Shakespeare, Bacon, Donne, and Ben Jonson.

321. Literature of the Seventeenth Century. 3 hr.; 3 cr :

Prereq.: English 140. English poetry and prose of the seventeenth century with emphasis on literary movements and such authors as Donne, Herbert, Herrick, and Milton.

322. Literature of the Restoration and Eighteenth Century. 3 hr.; 3 cr :

Prereq.: English 140. English poetry and prose from 1660 to 1789, from Dryden through Swift and Pope to Samuel Johnson, Boswell, Goldsmith, and Burns.

323. The Age of Romanticism in England. 3 hr.; 3 cr :

Prereq.: English 140. The literary, social, and philosophical expression of new views of nature and man in the earlier nineteenth century, with special emphasis on Blake, Wordsworth, Coleridge, Shelley, Keats, Byron, and Hazlitt. Fall, Spring

324. Victorian Literature. 3 hr.; 3 cr :

Prereq.: English 140. Poetry and prose of Victorian England, including such writers as Tennyson, Browning, Arnold, Hopkins, Hardy, Pater, Ruskin, and Lewis Carroll. Fall, Spring

326. Women Writers and Literary Tradition. 3 hr.; 3 cr :

Prereq.: English 140. The study of women's tradition, through the close reading of a selection of writings by women, primarily in English and American literature. Among the topics considered are the relationship between women writers and their cultural and social backgrounds; conditions affecting women's literary production; the influence of female and male precursors; the impact of race and class; and continuities and breaks with the dominant literary tradition.

330. Chaucer: The Early Works. 3 hr.; 3 cr :

Prereq.: English 140. The dream-visions, *Troilus and Criseyde*, the short poems, and Boethian philosophy.

331. Chaucer: The Canterbury Tales. 3 hr.; 3 cr.

Prereq.: English 140. An intensive study of Chaucer's late work.,

332. Shakespeare I. 3 hr.; 3 cr :

Prereq.: English 140. The comedies and histories in the first part of Shakespeare's career to about 1600. Students electing both English 332 and 333 should, if possible, take 332 first. Fall, Spring

333. Shakespeare II. 3 hr.; 3 cr :

Prereq.: English 140. The tragedies and the dramatic romances in the latter part of Shakespeare's career, after 1600. Fall, Spring

334. Milton. 3 hr.; 3 cr :

Prereq.: English 140. An intensive study of Milton's poetry and of selections from his prose, his development as a thinker and a poet, and his place as a social philosopher.

340. English Drama from Its Beginnings to 1642. 3 hr.; 3 cr :

Prereq.: English 140. English drama, exclusive of Shakespeare, from its medieval origins to the closing of the theaters in 1642. Examples of such early forms as the miracle play and the morality play will be examined, and particular attention will be paid to tragedy, tragicomedy, and satire. Playwrights studied will include figures like Marlowe, Jonson, Webster, Middleton, and Beaumont and Fletcher. Conventions of the medieval, Tudor, and Stuart stage will be discussed.

341. Drama of the Restoration and Eighteenth Century, 3 hr.; 3 cr :

Prereq. (or coreq. with permission of department): English 120 or its equivalent. The chief English playwrights and stage developments from 1600 to 1780, including Dryden, Congreve, Steele, Gay, Goldsmith, and Sheridan,

344. The English Novel I. 3 hr.; 3 cr :

Prereq. (or coreq. with permission of department): English 120 or its equivalent. The origin and development of the English novel in the eighteenth century. Readings from Defoe, Richardson, Fielding, Smollett, Sterne, and Jane Austen. Fall, Spring

345. The English Novel II. 3 hr.; 3 cr :

Prereq. (or coreq. with permission of department): English 120 or its equivalent. The major novelists of the nineteenth century: Dickens, Thackeray, Trollope, the Brontes, George Eliot, and Hardy; development of the novel as social criticism. Fall, Spring

346. British Fiction. 1900-1945. 3 hr.; 3 cr :

Prereq. (or coreq. with permission of department): English 120 or its equivalent. Such writers as Conrad, James, Joyce, Lawrence, Woolf, Forster, Orwell, H.G. Wells, Huxley, Waugh. Fall, Spring

350. American Literature Survey I. 3 hr.; 3 cr.

Prereq.: English 140. American literature from its beginnings to the Civil War, exclusive of the novel. Fall, Spring

351. American Literature Survey II. 3 hr.; 3 cr.

Prereq.: English 140. American literature from the Civil War to 1918, exclusive of the novel. Fall, Spring

352. The American Novel 10 1918. 3 hr.; 3 cr,

Prereq. (or coreq. with permission of department): English 120 or its equivalent. Such writers as Cooper, Hawthorne, Melville, Twain, Howells, James, Chopin, Norris, Dreiser, Wharton, Cather. Fall, Spring

353. American Fiction, 1918-1945. 3 hr.; 3 cr :

Prereq. (or coreq. with permission of department): English 120 or its equivalent. Such writers as Gertrude Stein, Sherwood Anderson, Dos Passos, Fitzgerald, Hemingway, Wright, Faulkner, Steinbeck, Wolfe, Henry Miller. Fall, Spring

354. Afro-American Literature I (16191930). 3 hr.; 3 cr :

Prereq. (or coreq. with permission of department): English 120 or its equivalent. An introduction to Afro-American literature from slave narratives, songs, folklore, and early poetry and fiction through the Harlem Renaissance. Major authors include Wheatley, Douglass, Dunbar, Chesnut, Dubois, Washington, Hughes, and Toomer. Fall

355. Afro-American Literature 1I (1930 to the Present). 3 hr.; 3 cr :

Prereq. (or coreq. with permission of department): English 120 or its equivalent. A study of modern and contemporary Afro-American authors, including Richard Wright, Ralph Ellison, Toni Morrison, James Baldwin, Ishmael Reed, and Amiri Baraka. Spring

356. Literature of the American Indians. 3 hr.; 3 cr :

Prereq. (or coreq. with permission of department): English 120 or its equivalent. A study of the myths, tales, and poems of native American peoples and the literature by and about Indians produced since the period of European presence.

357. Puritanism in American Literature. 3 hr.; 3 cr :

Prereq. (or coreq. with permission of department): English 120 or its equivalent. A study of Puritanism in American literature from Colonial times. V?

358. Nineteenth-Century American Transcendentalism. 3 hr.; 3 cr :

Prereq. (or coreq. with permission of department): English 120 or its equivalent. Literature and philosophy of the American Transcendentalists: Emerson, Thoreau, Whitman. Counter currents and reflections in later writers.

359. Regionalism, Realism, and Naturalism in American Literature. 3 hr.; 3 cr :

Prereq. (or coreq. with permission of department): English 120 or its equivalent. Late nineteenth- and twentieth-century expressions of the new styles, contents, and philosophies represented by these literary movements. Such writers as Mark Twain, Faulkner, and O'Connor; Howells, Wharton, and Lewis; and Crane, Dreiser, and Farrell.

360. Southern Literature. 3 hr.; 3 cr :

Prereq. (or coreq. with permission of department): English 120 or its equivalent. The literature of the American South, from antebellum to present times. Particular emphasis will be placed on writers of the Southern Renaissance.

361. The American Dream. 3 hr.; 3 cr :

Prereq. (or coreq. with permission of department): English 120 or its equivalent. Political, social, and economic visions of America based on a selection of literature from the Puritans to the present. Fall, Spring

362. The Immigrant Experience. 3 hr.; 3 cr :

Prereq.: English 120. This course focuses on the large body of American literature by and about immigrants. It will include literature from a range of periods. It will explore such questions as how the literature is related to its local and global historical circumstances; how the literature dramatizes and deals with the intersection of two cultures; and how the literature contributes both to ongoing conceptualizations of American identity and to the development of American literary tradition.

363. World Literature Written in English. 3 hr.; 3 cr :

Prereq.: English 120. This course studies the important literature written in English by writers in or from, for example, Africa, Australia, New Zealand, Canada, India, and the Caribbean. In some semesters the course may concentrate on one particular geographical region.

365. Celtic Myth and Literature. 3 hr.; 3 cr :

Prereq.: English 120, 140, 154, or 265. A study of the Celtic literature of the British Isles from the age of *Beowulf* to the age of Chaucer, focusing primarily on the mythological and heroic sagas of Ireland and Wales. Attention is given to the relationships among Celtic, English, and Continental literatures. All readings in English translation. Fulfills PreIndustrial and/or Non-Western Civilization LASAR.

366. Introduction to Irish Literature.

3 hr.; 3 cr :

Prereq.: English 120, 140, or 154. A survey of great works of Irish literature from the Middle Ages to the present, with emphasis on the continuity of Irish tradition as well as on the shifting political and social contexts in which Irish literature has been produced. Readings will include Celtic saga; the literature of both Anglo-Irish ascendancy and conquered Gaelic Ireland during the long period of English rule; the poetry, drama, and fiction of the extraordinary literary revival which took place in the late nineteenth and early twentieth centuries; and the literature of modern Ireland.

367. Modern Irish Literature. 3 hr.; 3 cr :

Prereq.: English 120, 140, or 154. A study of the three greatest modern Irish writers - Yeats, Joyce, and Beckett - in relation to Irish culture and to some of their important contemporaries and disciples, such as Synge, O'Casey, O'Connor, and O'Brien. An important focus will be the distinctively Irish nature of these writers' materials, attitudes, and language.

368. Irish Writers. 3 hr.; 3 cr :

Prereq.: English 120, 140, or 154. Detailed study of a major writer, such as James Joyce, or of a group of writers, such as the contemporary Ulster poets, who have created a literature of considerable significance. Topic varies each semester.

370. British and American Drama. 1890-1945. 3 hr.; 3 cr :

Prereq. (or coreq. with permission of department): English 120 or its equivalent. The development of drama in English from 1890 to the end of World War II: Wilde, Shaw, Synge, O'Casey, Odets, O'Neill, Anderson, and Wilder.

371. British and American Drama, 1945 to the Present. 3 hr.; 3 cr :

Prereq. (or coreq. with permission of department): English 120 or its equivalent. The development of drama in English from World War II to the present: Williams, Miller, Albee, Osborne, Beckett, Pinter, recent experimental dramatists.

373. British and American Poetry, 1910-1945. 3 hr.; 3 cr :

Prereq.: English 140. The development of poetry in English from 1910 to the end of World War II: Yeats, Pound, Frost, Eliot, Williams, Stevens, Crane, Cummings, and Auden. Fall, Spring

374. British and American Poetry, 1945 to the Present. 3 hr.; 3 cr :

Prereq.: English 140. A study of Dylan Thomas, Lowell, Roethke, Larkin, Berryman, Creeley, and others associated with the trends and movements of contemporary verse. Fall, Spring

376. British and American Fiction, 1945 to the Present. 3 hr.; 3 cr :

Prereq. (or coreq. with permission of department): English 120 or its equivalent. Such writers as Beckett, Graham Greene, Snow, Murdoch, Angus Wilson, Anthony Powell, the English working-class novelists, Doris Lessing, Mailer, Bellow, Nabokov, Baldwin, Ellison, Malamud, and Barth. Fall, Spring

380. Classical Backgrounds of English Literature. 3 hr.; 3 cr :

Prereq. (or coreq. with permission of department): English 120 or its equivalent. A study of selected works of Greek and Latin literature in translation in relation to the development of English literature. Fall, Spring

381. The Literature of the Bible. 3 hr.; 3 cr :

Prereq. (or coreq. with permission of department): English 120 or its equivalent. A study of Biblical literature in English translation: its forms and themes, literary and historical meaning, and its influence on English and American literature. Cannot be taken for credit if student has taken English 153. Fall. Spring

382. Aspects of Literary Criticism. 3 hr.; 3 cr.

Prereq.: English 251 and 252, or permission of instructor. A selection of critical texts illustrating approaches to literary criticism. Works of literature will be analyzed according to these approaches.

383. Aspects of Poetry. 3 hr.; 3 cr :

Prereq.: English 140. A wide reading in British and American poetry of various periods, together with appropriate critical selections, dealing with poetic theory and practice?

384. Aspects of Fiction. 3 hr.; 3 cr :

Prereq. (or coreq. with permission of department): English 120 or its equivalent. Representative British and American novels and criticism of fiction. The course deals with such topics as romance, the novel of manners. realism. and stream-of-consciousness. Fall, Spring

385. Aspects of Drama. 3 hr.; 3 cr :

Prereq. (or coreq. with permission of department): English 120 or its equivalent. A selection of representative plays and criticism. The theory and practice of drama as reflected in tragedy, comedy, and other major forms.

386. Literature and Religion. 3 hr.; 3 cr :

Prereq.: English 140. Religious ideas and experiences in literature. Such writers as the Pearl poet, Donne. Milton, Bunyan. Blake, Melville, Hopkins, and Eliot.

387. Literature and Politics. 3 hr.; 3 cr :

Prereq.: English 110 or high pass on placement examination. Relationship of literature and politics. Such topics as revolution and reaction, images of kinship and government, Utopian and Apocalyptic visions, and Marxism and Existentialism.

388. Literature and Psychology. 3 hr.; 3 cr :

Prereq.: English 110 or high pass on placement examination. The relationship of literature and psychology is studied through readings in psychological theories and literary works. Fall, Spring

389. Myth and .Archetype in literature. 3 hr.; 3 cr :

Prereq.: English 110 or high pass on placement examination. The study of myth and archetype in ancient and modern literature with consideration of such writers as Frazer, .lung, Frye, and Levi-Strauss.

390. Comedy and Satire. 3 hr.; 3 cr :

Prereq.: English 120. Selected studies in comic fiction, drama, and satire. This course will investigate the origin and development of comedy and satire and their relation to ritual and social custom. It will consider dramatic modes. such as comedy of manners, farce, and Theatre of the absurd as well as stock characters such as the trickster, the comic hero, and the clown. It will also consider the historic relationship between comedy and tragedy and the ways in which gender and cultural experience have shaped our perceptions of the comic.

392. Selected English Writers. 3 hr.; 3 cr :

Prereq.: Varies each semester. An intensive study of one or two figures. Writers studied vary each semester. The course may be taken for credit more than once if the topic is different.

393. Selected American Writers. 3 hr.; 3 cr :

Prereq.: Varies each semester. An intensive study of one or two figures (a companion course to English 392). The course may be taken for credit more than once if the topic is different.

394. Selected Studies in English Literature. 3 hr.; 3 cr :

Prereq.: Varies with topic. The topic of the course, announced in advance, varies each semester. The course may be taken for credit more than once if the topic is different. '

395. Selected Studies in American Literature. 3 hr.; 3 cr :

Prereq.: Varies with topic. The topic of the course, announced in advance, varies each semester. The course may be taken for credit more than once if the topic is different.

396. Studies in Language, Literature, and Culture. 3 hr.; 3 cr :

Prereq.: Varies with topic. The topic of the course, announced in advance, varies each semester. The course may be taken for credit more than once if the topic is different.

397, 398. Seminar in Teaching Writing. 4 hr.; 4 cr :

Prereq.: Permission of faculty program coordinator. Students participate in teaching English 95 with an instructor. Work includes planning and giving lessons, holding conferences, commenting on students' papers, and attending a weekly workshop. Fall, Spring

399. Departmental Honors Seminar. 3 hr.; 3 cr :

Prereq.: Enrollment in Honors Program or permission of instructor. Required of departmental honors candidates. Designed to provide intensive examination of literary figures, periods, and forms that are not considered, or only partially studied, in the department's regular offerings. May be repeated for credit. Fall, Spring

COLLEGE ENGLISH AS A SECOND LANGUAGE

See Special Sequences and Courses, page 201.

ENGLISH LANGUAGE INSTITUTE

For information, see page 42.

FILM STUDIES

Chair: Royal Brown (Romance Languages)

Committee Members: Buchsbaum, Kapsis, Liebman, Menand

Program Office: Kiely 073,997-5748

The purpose of the B .A. program in film studies is to afford students the opportunity to study in depth the aesthetic, cultural, sociological, political, philosophical, and psychological elements of the cinema.

The film studies major and minor are composed of film courses offered by a number of departments in the Divisions of the Arts and Humanities and the Social Sciences.

The Major (36 credits)

Students majoring in film studies will plan their program of study in accordance with the following course groupings. (A full description of each course will be found in the course listings for the particular department involved.)

Depending on their individual background and orientation, students may be advised to take additional courses in modern art, modern history, modern languages and literature, or music appreciation.

Students who have not yet completed their basic requirements in English or who wish additional training in writing are advised to take English 201 (Essay Writing for Special Fields).

Required (15 credits)

Communication Arts and Sciences 143,
144, 147, 341,342

Elective (Choose 7 courses; 21 credits)

Art 364 (a 3-hour course; the fourth hour to be earned by extra field or lab work) Communication Arts and Sciences 245, 343, 344, 348

Comparative Literature 241

Education 390 (only when "The Documentary Film and Education" is offered)

English 280, 285

Film Studies 201,211,380

French 50

German 261

Italian 50

Philosophy 105

Political Science 209

Russian 244

Scandinavian 261

Slavic Languages 250 (only when a section appropriate to Film Studies is offered)

Sociology 249

Spanish 50

Special Studies 95. Only when studies in film aesthetics, criticism, form, theme, directors, or genres are given under this number.

The Minor (18 credits)

The film studies minor, consisting of 18 credit hours, is designed to allow students to supplement their major in another field with a concentration of work in film studies. Students minoring in film studies must take CAS 143, 144, and 147 plus a total of nine hours chosen from the elective category designated above for the film studies concentration.

Advisory Services and Extra Curricular Activities

The Film Studies Committee advises students on careers in film, graduate film study programs at CUNY and at other institutions, film festivals, grants and awards in filmmaking and film research, and film organizations. The substantial library of films held by Queens College and augmented by the CUNY Film Consortium provides opportunities for individual film study.

The Film Studies Program endorses and will be happy to supply information on the Norman Silverstein Prize in Film Criticism sponsored by the English Department. It also sponsors screenings and talks by filmmakers and other individuals involved in the various facets of the cinema.

Courses**201. Great Directors. 4/3 hr.; 3 cr :**

Prereq.: Sophomore standing; CAS 143 and 144 or permission of instructor. A historical and artistic evaluation of the work of such directors as Antonioni, Bergman, Eisenstein, Ford, Godard, Hawks, Hitchcock, Lang, Ray, Welles, et al. The course may be limited to the work of a single director, or it may involve a comparative study of two or more directors. May be repeated provided the topic is different.

211. Film Genres. 4/3 hr.; 3 cr :

Prereq.: Sophomore standing; CAS 143 and 144 or permission of instructor. A historical, theoretical, and artistic evaluation of such film genres as the western, horror film, musical, science fiction, thriller, and so on. The course may be limited to work on a single genre or it may involve a comparative study of two or more genres. May be repeated for credit provided the topic is different.

380. Special Topics. 4/3 hr.; 3 cr :

Prereq.: Junior or senior standing; CAS 143 and 144; at least one Film Studies elective. An advanced course dealing with film studies areas of specialized interest and offering the opportunity for intensified study and research in particular areas. May be repeated for credit provided the topic is different.

GEOLOGY

Chair: Peter Mattson

Deputy Chair: Nicholas K. Coch

Advisement: Patrick W.G. Brock

Assistant Chair for Graduate Advisement: Robert M. Finks

Dept. Office: Science Bldg., D216, 9973300

Professors: Brueckner, Coch, Finks, Habib, Ludman, Mattson, McIntyre, Speidel, Thurber;

Associate Professor: Brock;

Chief Laboratory Technician: Cinquemani;

Senior Laboratory Technician: Cannone;

Department Secretaries: Gatto, Narayan;

Research Associate: Sambol;

Professors Emeriti: Alexandrov, Commoner, Schreiber

A major in the Geology Department prepares students for graduate work in geology and related environmental sciences, for professional work in geological sciences, or for the teaching of earth science-general science in secondary schools. Courses in the department also provide a background in environmental sciences for students of other natural sciences and broaden the general background of students in other disciplines.

The Major

This course of study prepares a student for professional employment as a geologist, for graduate study in geology, and (in conjunction with prescribed education courses) for secondary school earth science or general science teaching.

Both a B.S. and a B.A. are offered in geology. The B.S. may be chosen by those students who have completed at least 64 credits in courses applicable to the major in biology, chemistry, computer science, geology, mathematics, and physics; have satisfied the degree requirements of the Geology Department; and have satisfied all Queens College requirements for the B.A. degree. The required courses include Geology 232, 233, 234, 335, 339, 359, 360 (or 361 and 362), and 380; Mathematics 111 and 112 (or equivalent), and Chemistry 113 and 114. A course or other program equivalent to Geology 360 taken at another school must be approved by the department in advance if credit toward the major is desired.

Students may not have a course with a grade below C- credited toward their department major requirements. The minimum grade of C- in a course is required before a student may register in any course for which the previous course is a prerequisite. A student may not repeat a course more than twice, and credit toward the degree may be given only once. The minimum average of C- is required in geology courses numbered above 200 and in courses in other departments counted toward the major.

Students majoring in geology should complete the following courses outside the department prior to graduation:

Chemistry 114

Mathematics 112 or equivalent

Physics 121-122 or Biology 101-102

Computer Science 12

A course in statistics

Students majoring in Geology are also advised to take an additional 12 to 15 credit hours selected from geology courses numbered 200 or above.

Students deciding to major in the department will be assigned an adviser, with whom they should consult frequently.

The Minors

Geology:

Geology 101, 102, 232, 233, 234, 339. Students are advised, but not required, to have Geology 359 and Geology 360.

Environmental Science:

Geology 101, 102, 248, 342, 347, 349. Students are advised, but not required, to have Geology 376 and Geology 377.

Physical Geography:

Geology 8, 11, 101, 110, 248,347, 349. Qualified students should take Geology 342 instead of Geology 11 and Geology 356 instead of Geology 8.

Courses

NONMAJOR COURSES

3. The Physical Environment. 3 hr.; 3 cr :

The use and misuse of the atmosphere, the oceans, surface and underground water supplies, soils, and mineral deposits. Fall, Spring

6. The Fossil Record. 2 lec., 1 rec. hr., field trips; 3 cr :

The study of fossils as they relate to the history and evolution of life on earth; to geological time; to ancient environments and climates. MAT charge, \$20.

8. Introduction to Oceanography. 2 lec., 1 rec. hr., field trips; 3 cr :

A survey of the oceans, including their physical structure, biology, chemistry, and geology. Special emphasis is placed on the interactions of society and sea. Science majors are advised to take Geology 356. Fall, Spring

9. Environmental Issues. 9.2 - 2 hr.; 2 cr : 9.3 - 3 hr.; 3 cr :

The scientific background for some major environmental issues is introduced. These issues may include the availability and use of renewable and non-renewable resources; conservation, recycling, waste disposal, and pollution; land use; human impact on the global environment. Possible solutions for recognized environmental problems are examined from both scientific and social points of view. (Field trips may be scheduled.)

10. Rocks, Minerals, and Gems. 3 hr. disc. and lab., field trips; 2 cr :

Practical procedures for recognition, identification, and classification of common and spectacular rocks, minerals, and gems. '1"1'

11. A Survey of Atmospheric Science. 3 hr.; 3 cr :

An introduction to weather and climate for students competent in high school science. Not open to students who have taken Geology 342. Fall, Spring

12. Natural Disasters. 12.2 - 2 hr.; 2 cr : 12.3 3 hr.; 3 cr :

A course dealing with natural hazards and the devastation they cause. The hazards include floods, volcanic explosions, earthquakes, landslides, and asteroid impacts.

1,3. The Ice Ages. 3 lec. hr.; 3 cr :

A study of the Earth's climatic variations during the ice ages and the effects of these changes on the physical environment. Fall, Spring

16. Earthquakes, Volcanoes, and Moving Continents. 3 lec. hr.; 3 cr :

The great changes on the Earth's surface, how they affect us, and how we may predict or attempt to control them. The influence of plate tectonics on the environment, natural resources, and human history. Fall, Spring

17. Earthquakes. 3 hr.; 3 cr :

How, when, and where earthquakes happen. Location and measurement. Daily, weekly, monthly, yearly seismicity of the earth. The relation of earthquakes to lithospheric plate movements; seismic hazard and mitigation; possible earthquake prediction. Great historic earthquakes and their effect on human activities.

18. Volcanoes. 3 hr.; 3 cr :

How volcanoes form, where they form, what they erupt. The relation between volcanism and major earth movements. How volcanoes change during their lifetimes. Possible prediction of volcanic eruptions. The influence of volcanoes on human activities now and in the past.

25. Natural Resources and the Environment. 3 hr.; 3 cr :

World distribution, production, and requirements for mineral and energy resources. Use, abuse, conservation, and pollution of resources. Fall, Spring

40. Special Topics in Geology.

40.1 - 1 lec. or 3 lab. hr.; 1 cr :

40.2 - 1 or 2 lec., 3 lab. hr.; 2 cr :

40.3 - 2 or 3 lec., 3 lab. hr.; 3 cr :

Note: English 95 or its equivalent is the minimum corequisite for all courses (see pp. 38, 124). +- offered *either* Fall or Spring; see *Class Schedule*

++-*may be offered*; see *Class Schedule*

Topic varies from semester to semester. Designed for nonscience students.

51. Energy: Sources and Alternatives. 3 lec. hr. for 5 weeks; 1 cr :

A five-week course focusing on problems of energy uses: present sources, especially oil, coal, and nuclear power; non conventional sources; and environmental problems associated with all steps of energy delivery.

52. Water: The Ultimate Resource. 3 lec. hr. for 5 weeks; 1 cr.

A five-week course focusing on problems of water supply, water use, and present and potential pollution problems. Special attention is paid to local problems.

53. The Coastal Challenge. 2 lec. 1 rec. hr. for 5 weeks, 1 field trip; 1 cr :

A five-week course to study the processes, morphology, and environmental problems in the estuaries, wetlands, beaches, and barrier islands making up the coastal zone of the NYC metropolitan region. Field examination of the coastal zone in eastern Long Island.

54. Symmetry: Framework of the Earth. 2 lec., 3 lab. hr. for 5 weeks; 1 cr.

A five-week course to study symmetry elements and operations; 2-dimensional and 3-dimensional patterns; symmetry in the sciences and in the arts.

55. Physical Environment of Long Island. 5 field trips; 1 cr :

A field course stressing the physical geography of our local area. Study sites include urban Queens, Caumsett State Park (with overnight stay at the Queens College Center for Environmental Teaching and Research), Fire Island National Seashore, and the Pine Barrens of central Long Island and Montauk Peninsula. Particular emphasis on the origins of land forms and changing human/land relationships through time. Field trip fee will be required.

57. Precious Metals and Metallic Minerals. 3 lec/demo. for 5 weeks; 1 cr.

Introduction to precious metals, metallic minerals of the steel industry, minerals of nonferrous metals, light metals, minor and rare metals, minerals of nuclear metals, compositions, crystal forms, occurrences, and methods of simple identification. How to make your own collection of minerals.

58. Gems and Nonmetallic Minerals. 3 lec./demo. for 5 weeks; 1 cr :

Introduction to gems and semiprecious stones, minerals needed for agriculture, industrial minerals, rock-forming minerals. Compositions, crystal shapes, occurrences, and methods of simple identification. How to make your own collection of minerals.

64. Planetary Geology. 3 lec. hr.; 3 cr :

An introduction to the surface features, composition, geological activity, and probable history of the planets, moons, and comets of the solar system, based on the results of space exploration.

INTRODUCTORY COURSES

101. Physical Geology. 3 lec., 3 lab. hr.; 4 cr.

A study of the earth, including the relationship of man to his environment. Required field trip(s). MAT charge, \$35. Fall, Spring

102. Historical Geology. 3 lec., 3 lab. hr.; 4 cr :

Prereq.: Geology 101 (or passing grade in Physical Geology, NYS College Proficiency Exam). A history of the origin and development of the universe, with emphasis on the Earth. Required field trip(s). MAT charge, \$35. Fall, Spring

110. Physical Geography. 3 lec., 3 lab. hr.; 4 cr :

Earth in space; weather and climate; hydrologic cycle and land forms; geologic factors in the distribution of soils, plants, and animals.

MAJOR COURSES

Consult the Geology Department for scheduling information.

231. Elements of Mineralogy. 2 lec. 3 lab. hr.; 3 cr :

Prereq.: Geology 102 and Chemistry 113 or permission of department. The behavior of elements in the solid state, and the origins, occurrences, crystal systems, properties, and uses of common minerals.

232. Mineralogy and Optical Mineralogy. 7 hr. (4 lec., 3 lab. hr.); 5 cr :

Prereq.: Geology 102 and Chemistry 113 or permission of the department. The course covers the behavior of elements in the solid state, with reference to the origins, occurrences, and properties of minerals. Topics covered include crystallography, crystal chemistry, the petrographic microscope. and silicate and nonsilicate minerals.

233. Principles of Stratigraphy. 2 lec., 3 lab. hr., field trips; 3 cr :

Prereq.: Geology 102 or permission of department. Study of rock sequences as genetic units. Stratigraphic classification and nomenclature. Correlation. Laboratory emphasizes practical exercises in stratigraphy.

234. Structural Geology. 2 lec., 3 lab. hr.; 3 cr :

Prereq.: Geology 102; prereq. or coreq.: Mathematics 100, 101, or I 11, or permission of department. The deformation of the earth's crust; faults, folds, and other geologic structures.

248. Geomorphology. 2 lec., 3 lab. hr.;

3 cr. Prereq.: Geology 102 or permission of department. The origin and development of land forms that result from the diverse types of rock structure, weathering, and other conditions.

332. Optical Mineralogy and Petrography. 2 lec. 1 rec., 4 lab. hr., field trips; 5 cr :

Prereq.: Geology 231. The polarizing microscope is used for the identification of minerals. Identification of rocks from mineral content and texture.

335. Petrography and Petrology. 7 hr. (4 lec., 3 lab. hr.); 5 cr :

Prereq.: Geology 232. The description, analysis, and identification of igneous, sedimentary, and metamorphic rocks; rock-forming processes are studied in the laboratory using suites of rocks, and in the field. Topics include hand-specimen and microscopic petrography and igneous, sedimentary, and metamorphic petrology.

336. Igneous and Metamorphic Petrology. 2 lec., 3 lab. hr.; 3 cr :

Prereq.: Geology 332 or permission of department. Description, distribution, and origin of plutonic, volcanic, and metamorphic rocks; studied in rock suites and on field trips.

337. Sedimentary. Petrology. 2 lec., 3 lab. hr.; 3 cr :

Prereq.: Geology 332. The description, analysis, and genesis of sediments, sedimentary rocks, and stratigraphic sequences.

339. Paleontology. 2 lec., 3 lab. hr.; 3 cr :

Prereq.: Geology 102 or permission of department. The nature and significance of extinct animals and plants; their ecology, morphology, and geologic history.

342. Introduction to Meteorology. 2 lec., 3 lab. hr.; 3 cr :

Prereq. or coreq.: Mathematics 103 or 112. An introductory study of meteorology for science majors.

347. Principles of Hydrology. 2 lec., 3 lab. hr.; 3 cr :

Prereq.: Geology 101, Chemistry 112 or 113, Physics 121. A survey of surface water and ground water hydrology, including discussion of water quality, pollution, and water resource management.

349. Environmental Geology. 2 lec., 3 lab. hr.; 3 cr

Prereq.: Geology 101 or permission of instructor. Geological processes affecting the quality of the environment. Analysis of geologic problems affecting the quality of the environment. ;'

350. Sedimentation. 2 lec., 3 lab. hr.; 3 cr :

Prereq.: Geology 102 and Chemistry 113, or permission of department. Sediments, sedimentary processes, and sedimentary environments. +

351. Introduction to Geochemistry. 2 lec., 3 lab. hr.; 3 cr :

Prereq.: Geology 231 and Chemistry 114, or permission of department. A study of chemical processes active in geologic environments.

352. Economic Geology. 2 lec., 3 lab. hr.; 3 cr.

Prereq.: Geology 102 or permission of department. The occurrence, origin, and use of ores, industrial minerals, and fuels. The origin and use of water resources in the United States.

353. Stratigraphy. 2 lec. 3 lab. hr.; 3 cr :

Prereq.: Geology 233 or permission of department. The study and interpretation of layered rocks.,

354. A Survey of Geophysics. 3 lec. hr.; 3 cr :

Prereq.: Mathematics 112, Geology 231 or 232; coreq.: Geology 234. An elementary introduction to the principles of geophysics and its impact on geologic thought, with respect to recent discoveries.

355. Petroleum Geology. 2 lec., 3 lab. hr.; 3 cr.

Prereq.: Geology 234. Nature, occurrence, and origin of petroleum and natural gas; methods of exploration; principles of reservoir engineering; the industry and the environment.

356. Principles of Oceanography. 2 lec., 3 lab. hr., field trips; 3 cr :

Physical, chemical, biological, and geological oceanography for science majors. Open to science or mathematics majors of upper-class standing, or by permission of instructor. ?

357. Principles and Practice of Oceanographic Research. 1 lec., 3 lab. hr.; 2 cr :

Prereq.: Junior or senior standing and permission of instructor, Includes shipboard work. Open only to majors in the sciences and mathematics.

359. Introduction to Field Methods. 6 lab. hr.; 2 cr :

Prereq. or coreq.: Geology 234 and either Geology 332, 335, or demonstration of proficiency by passing a test in identification of hand specimens. Field mapping and sampling; use of maps, air photos, various instruments; preparation of geologic maps and sections.

360. Field Geology. 360.5-5 wk.; 5 cr : 360.6-6 wk.; 6 cr :

Prereq.: Geology 359. Geological mapping; offered in the Summer; requires residence in field camp or dormitories.

361. Introductory. Field Geology. 3 weeks; 3 cr.

Prereq.: Geology 359. Geological mapping; offered in the Summer; requires residence in field camp or dormitories.

362. Advanced Field Geology. 3 weeks; 3 cr :

Prereq.: Geology 361. A continuation of Geology 361 at a more advanced level. Usually offered in the Summer; requires residence in field camp or dormitories.

363. Oceanographic Field Course. 363.2 - 2 wk.; 2 cr : 363.3 - 3 wk.; 3 cr :

Prereq.: Geology 357 and Geology 360 or 361. Entails taking part in an oceanographic cruise, collection of raw data, compilation, analysis, and interpretation of the data, and reporting on the

results of the study. An approved field oriented course at an oceanographic research institute may be substituted. May be used to satisfy field course requirements for environmental science program students only. Usually offered in the Summer.

364. Comparative Planetary Geology. 2 lec. 3 lab. hr.; 3 cr :

Prereq.: Geology 102 or permission of department. A detailed study of the surface features, tectonics, volcanism, petrology, and aeolian, glacial, and sedimentary processes of the planets and moons of the solar system. The laboratory work will use geologic maps and spacecraft imaging of the planetary bodies. (Students who have taken Geology 64 may not take Geology 364 without departmental approval.)

366. Principles and Techniques of X-Ray Mineralogy. 1 lec., 2 lab. hr.; 2 cr :

Prereq.: One year of college-level science or mathematics; upper-class standing; permission of department.

370. Environmental Geochemistry. 3 hr.; 3 cr :

Prereq.: Junior class standing for science majors. A study of the behavior of elements in processes on the Earth's surface. Evaluation of geochemical reservoirs and trace element movement in the atmosphere, soils, water, plants, and animals.,

375. Techniques of Environmental Analysis. 1 lec., 3 lab. hr.; 2 cr :

Prereq.: Chemistry 241 and permission of department. Taken with Chemistry 342. Techniques used in the collection of samples in the field in their preparation for analysis. Water, air, soil, stream sediment, and biological samples are examined. Spring

376. Environmental Assessment: Methods and Exposition. 2 lec., 2 lab. hr.; 3 cr :

Prereq.: Biology 102, Chemistry 241, Geology 349, Economics 228. A survey of methods used to obtain environmental data, with emphasis on the writing of reports and impact statements.

377. Field Methods in Environmental Science. 1 lec., 6 hr. field work; 3 cr :

Prereq.: Geology 349 and 375, or 376. Supervised field work in environmental science. Collection and analysis of several types of environmental data, and preparation of a comprehensive report. This course may not be used to satisfy the field course requirements for the geology major.

380. Advanced Principles of Geology. 3 hr.; 3 cr :

A senior-level course for geology majors. Various topics pertaining to earth sciences will be considered.

381,382. Seminar. 2 hr.; 2 cr :

each sem. Prereq.: Permission of department. Advanced topics in geology. Offered primarily for seniors.

383. Special Topics in Geology. 2 lec. 3 lab. hr.; 3 cr.

Prereq.: Permission of department. The topic varies from semester to semester. May be repeated for credit provided the topic is not the same.

391,392, 393. Special Problems. 391 - 1 lec. hr.; 1 cr :

392 - 2 lec. hr.; 2 cr : 393 - 3 lec. hr.; 3 cr :

Prereq.: Permission of department. The student works on a research problem under the supervision of a member of the faculty. Fall, Spring

GERMANIC, SLAVIC, AND EAST EUROPEAN LANGUAGES

Chair: Tamara S. Evans

Deputy Chair: Barry Rubin

Dept. Office: King Hall 207 (Kiely 143 until July 1993), 997-5980

Professors: Anderie, Evans, Fichtner, Kieser;

Associate Professors: Bird, Todd;

Lecturers: Rubin, Waller;

Department Secretary: Aviles

The department offers courses in the German language, its literature and civilization; in Dutch and Scandinavian and their literatures and cultures; a variety of courses taught in English, treating German, Dutch, and Scandinavian literature and thought in translation; and courses in the Russian language and literature, as well as courses in Czech, Polish, Serbo-Croatian, and other East European languages.

The Germanic and Slavic divisions each offer majors with various concentrations. For details, please check individual headings.

Germanic

Academic Adviser: Tamara S. Evans

The basic courses in German (German 101 through 203) and the corresponding courses in Danish, Dutch, Norwegian, and Swedish have as their aim the development in the student of the ability to read, write, speak, and understand those languages with accuracy and facility. At this level, emphasis is placed on the assimilation of language structure and the acquisition of a basic vocabulary. Courses below German 204 may not be counted toward a major in German unless specifically required.

The courses German 204 to 399 are intended for students with an interest in the advanced study of the German language and its literature and civilization, as well as for those with professional aspirations to teach at the secondary or university level. To a great extent, German is used as the classroom language in courses in the 300 series.

The courses in German literature and thought in translation (German 150 and German 253 to 287) deal with literary and cultural topics within the area of German studies. The reading is in English, and the courses are taught in English. Some courses may be taken for credit more than once when the topic changes. These courses are open to all students.

The *Deutscher Verein* (German Club) maintains a varied program of social and cultural events. The department also houses the Delta Omicron chapter of Delta Phi Alpha, the national German honor society; after application and acceptance, students may participate in its activities as well. The department encourages interested students to take the various standard examinations such as that for the *Zertifikat "Deutsch als Fremdsprache,"* an internationally recognized measure of language proficiency issued by the Goethe-Institut in Munich through the Goethe House, New York. As a rule, students with six or more semesters of German do reasonably well. Further information about the composition of these tests, as well as about the dates on which they are administered, may be obtained from the academic adviser.

The Majors

Students may major in German, or in German in conjunction with secondary education (major in the teaching of German). Interested students are urged to consult with the academic adviser for German as early as possible in order to plan their programs.

Major in German: Concentration in German Language and Literature

In addition to attaining proficiency in German through the level of German 203, 33 credits including German 204 are required for this major. Students must take at least 21 credits from among language courses in the 200 series beyond German 204 and from among courses in the 300 series. The remaining 9 credits may be taken from among any other German courses, including those taught in English translation (German 150, 253-269, 281-287), as well as from among Danish 112, Dutch 112, Norwegian 112, Swedish 112, Icelandic 201, or any of the courses in Scandinavian Studies.

Major in the Teaching of German

In addition to attaining proficiency in German through the level of German 203, 33 credits including German 204 constitute the major in the teaching of German. At least 9 credits must be taken from among language courses in the 200 series beyond German 204, and at least 12 credits must be taken from courses in the 300 series; German 221 and 331 are required. The remaining 9 credits may be taken from among any other German courses, including those taught in English translation (German 150, 253-269, 281-287), as well as from among Danish 112, Dutch 112, Norwegian 112, Swedish 112, Icelandic 201, or any of the courses in Scandinavian Studies.

The Minors

For a minor in German, 15 credits beyond German 203 or equivalent are required. 3 credits must be taken from among language courses in the 200 series (215-245) beyond German 204; at least 3 credits are required in the 300 series. The remaining 6 credits may be taken from any of the courses above the level of 204, including those taught in English translation (German 150, 253-269, 281-287).

For a minor in North Atlantic Civilization, the completion of German 204 and one course from among German 215, 225, 235, or 245, and either Danish 111 and 112, Dutch 111 and 112, Norwegian 111 and 112, or Swedish 111 and 112 are required, as well as two additional courses in Dutch, Danish, German, Icelandic, Norwegian, Scandinavian Studies, or Swedish.

Study Abroad

Study in the German-speaking countries of Europe can give the student a deeper and more extensive knowledge of the German language and its literature and culture than is normally possible in an academic setting. The department maintains connections with the University of Kiel for summer programs and with other German universities for junior-year abroad programs.

Courses in German

Students who have studied German in an accredited college or university must have their previous language work evaluated before they may enroll for further courses in the same language. For students who want to begin a new language in college, the department offers two options: 1) the regular four language skills approach and 2) a sequence emphasizing the development of reading skill. Consult the academic adviser.

LANGUAGE COURSES

10. Elementary German for Reading Purposes. 4 hr.; 4 cr :

Introductory course for students who require the elements of a reading knowledge of German. May not be taken for credit by students who have completed German 101 or 102, or equivalent. May not be taken in fulfillment of the Foreign Language Requirement.,

101. Elementary German 1. 4 hr.; 4 cr :

Intended for students with no previous training in German. Designed to teach basic grammar, practice in reading, writing, speaking, and listening comprehension, with emphasis on expression. Fall, Spring

102. Elementary German 11.4 hr.; 4 cr :

Prereq.: German 101 or equivalent. A continuation of German 101. Fall, Spring

110. Elementary German: Combined MI. 8 hr.; 8 cr.

The contents of German 101 and 102 condensed into one semester. Usually offered only in Summer. Six hours classroom instruction plus 2 hours in language laboratory programs.

113. Intermediate German for Reading Purposes: Sciences. 3 hr.; 3 cr :

Prereq.: German 10 or 102, or permission of department. Intensive practice in the reading of scientific German.,

123. Intermediate German for Reading Purposes: Arts. 3 hr.; 3 cr :

Prereq.: German 10 or 102, or permission of department. Intensive practice in the reading of expository prose in the areas of the fine arts, humanities, and the social sciences.

203. Intermediate German. 3 hr.; 3 cr :

Prereq.: German 102 or equivalent. A continuation of German 102. Reading, conversation, grammar with emphasis on expression. Fulfills language requirement in German. Fall, Spring

204. Advanced German. 3 hr.; 3 cr :

Prereq.: German 203 or equivalent. Reading, conversation, composition, vocabulary building, review of grammar. Fall, Spring

215. Expository Writing and Speaking. 3 hr.; 3 cr :

Prereq.: German 204 or permission of department. Practice in expository writing and speaking on subjects of some difficulty.

225. Readings in German Literature. 3 hr.; 3 cr :

Prereq.: German 204 or permission of department. Practice in reading and comprehension with texts selected from various genres.

235. German for Business and Industry. 3 hr.; 3 cr :

Prereq.: At least one of the 200 series language courses beyond German 204 or permission of department. Practice in oral and written communication related to business, banking, and industry. ']'

245. The German Press of Today. 3 hr.; 3 cr :

Prereq.: At least one of the 200 series language courses beyond German 204 or permission of department. Reading and discussion of present-day German newspapers and magazines; analysis of contemporary journalistic style.

COURSES IN LITERATURE

301. Medieval German Literature. 3 hr.; 3 cr :

Prereq.: At least one of the 200 series language courses beyond German 204 or permission of department. Reading, in modern German translation, of representative works of epic and lyric poetry. Brief survey of German literature in the Middle Ages.

302. Renaissance and Baroque. 3 hr.; 3 cr :

Prereq.: At least one of the 200 series language courses beyond German 204 or permission of department. The major figures and movements: Mysticism, Humanism, the Reformation, and the Counter Reformation in the literature of the sixteenth and seventeenth centuries. ']',

Note: English 95 or its equivalent is the minimum corequisite for all courses (see pp. 38, 124). - offered either Fall or Spring; see Class Schedule

++ -may be offered; see Class Schedule

303. Enlightenment to Storm and Stress. 3 hr.; 3 cr :

Prereq.: At least one of the 200 series language courses beyond German 204 or permission of department. Enlightenment, Storm and Stress, and Sentimentalism as the literary and theoretical foundations of Classicism.

304. Goethe and Schiller. 3 hr.; 3 cr :

Prereq.: At least one of the 200 series language courses beyond German 204 or permission of department. Drama, poetry, prose, and some essays of Goethe and Schiller, excluding *Goast*.

305. Romanticism. 3 hr.; 3 cr :

Prereq.: At least one of the 200 series language courses beyond German 204 or permission of department. Changes in sensibility and thought in early nineteenth-century German literature.

306. Realism. 3 hr.; 3 cr :

Prereq.: At least one of the 200 series language courses beyond German 204 or permission of department. Literary, intellectual, social, and political currents in Germany, Austria, and Switzerland after the Age of Goethe. Analysis of representative works by authors such as Buchner, Keller, Meyer, Grillparzer, and Hebbel.

307. Modern German Literature. 3 hr.; 3 cr :

Prereq.: At least one of the 200 series language courses beyond German 204 or permission of department. Currents and writers since the end of the nineteenth century. These may include such movements as Naturalism and Expressionism and such writers as Kafka, Brecht, Mann, and Rilke, as well as more recent writers.

310. Survey of German Literature. 3 hr.; 3 cr :

Prereq.: At least one 300 level German literature course or permission of department. An overview of German literature with readings in fiction, drama, and poetry with emphasis on literary history.**

311,312. Seminar. 3 hr.; 3 cr :

each sem. Prereq.: At least one 300 level literature course or permission of department.

321,322. Special Problems. 1 conf. and 9 hr. work; 3 cr :

each sem. Prereq. for 321: Upper junior or senior standing; the completion of at least four elective courses in German; and a scholastic record that indicates, to the satisfaction of the department, capacity for independent work. Prerequisite for 322 is a grade of B+ or better in 321. Individual research under the direction of a member or members of the department. The student reports in weekly conference to the research adviser, and presents such paper or papers as may be prescribed.

309. Bachelor's Thesis in German. 399. I399.6.- 1-6 hr.; 1-6 cr.

1 conf. and equivalent of up to 15 hr. of work per week; up to a maximum of 6 cr. Prereq.: Senior standing only; the completion of at least four elective courses in German with a B+ or better index; a scholastic record that indicates, to the satisfaction of the department, capacity for independent work. A committee of two, appointed by the Chair, will screen the student and the project and will evaluate the thesis.,

COURSES IN GERMAN LINGUISTICS

221. German Phonetics. 3 hr.; 3 cr :

Prereq.: German 102 or permission of department. Basic principles of phonetics: Phonology and intonation patterns of standard German; practice in pronunciation. Required for prospective teachers of German.

331. Structure of Modern German. 3 hr.; 3 cr.

Prereq.: Permission of department. The phonology, morphology, and syntax of modern standard German; emphasis on contrast with English. Required for prospective teachers of German.

COURSES IN GERMAN LITERATURE AND THOUGHT IN ENGLISH

150. Masterpieces of German Literature and Thought in Translation. 3 hr.; 3 cr :

Prereq.: English 110 or equivalent,

253. The Age of Goethe and Schiller. 3 hr.; 3 cr.

Prereq.: Sophomore standing or permission of department. The intensive study of representative works of Goethe, Schiller, and Lessing (except *Faust*), reflecting Enlightenment, Storm and Stress, and Classicism.

254. Goethe's *Faust* Parts I and II. 3 hr.; 3 cr :

Prereq.: Sophomore standing or permission of department. An exploration of the *Faust* drama as poetry and as summary of a long literary tradition; the impact of the poem on intellectual, political, and social thought.

257. German Speculative Writers. 3 hr.; 3 cr :

Prereq.: Sophomore standing or permission of department. Study of a German thinker who has had a profound effect on modern German literature and culture. May be repeated for credit when topic changes.

258. Significant German Authors. 3 hr.; 3 cr :

Prereq.: Sophomore standing or permission of department. Study of the works of a German author of international standing. May be repeated for credit when topic changes.,

259. Modern German Literature. 3 hr.; 3 cr :

Prereq.: Sophomore standing or permission of department. Readings from such authors as Mann, Kafka, Musil, Rilke, Benn, Broch, Grass, Brecht. May be repeated for credit when topic changes.

261. The German Film. 4 hr.; 3 cr :

This course will treat various aspects of German cinema: historical, cultural, aesthetic, political, technical, etc. In a given semester, the course may deal with a certain tendency (such as the Heimat film), period (such as New German Cinema), or director (such as Lang, Murnau, Fassbinder, or Herzog). Lectures and work will be done in English; films will be shown in the original language with subtitles. May be taken more than once for credit provided the topic is different. MAT charge, \$7.*1'

262. German Literature and Music. 3 hr.; 3 cr,

Prereq.: Sophomore standing or permission of department. Interaction of German literature and music. Topics include opera libretti as literature, literary texts as opera libretti, and the German *Lied*.**

263. German Literature and Society. 3 hr.; 3 cr :

Prereq.: Sophomore standing or permission of department. An examination of the broad tradition of socially committed literature as seen in its historical context, Readings from such authors as Marx, Heine, Mann, Brecht, Boil, Grass, and Schiller.

264. German Literature and the Visual Arts. 3 hr.; 3 cr :

Prereq.: Sophomore standing or permission of department. The interaction of art, art history, and art criticism with the German literary tradition.

266. German Literature and Religious Thought. 3 hr.; 3 cr :

Prereq.: Sophomore standing or permission of department. The relationship between religion, literature, and other areas of knowledge.,

269. Seminar in German Literature and Thought in Translation. 3 hr.; 3 cr :

Prereq.: Sophomore standing or permission of department.

COURSES IN GERMAN CIVILIZATION**281. The Civilization of German Speaking Lands. 3 hr.; 3 cr :**

Prereq.: German 102 or permission of department. A survey of cultural developments in Germany, Austria, and Switzerland.

282. German Civilization in the Middle Ages. 3 hr.; 3 cr :

Prereq.: German 102 or permission of department. The emergence of the Germanic peoples, their impact on Greco-Roman culture, and the formation of the medieval kingdoms, as reflected in their history, literature, mythology, architecture, art, music, social forms, and customs to the eve of the Renaissance.

283. Renaissance, Reformation, Baroque. 3 hr.; 3 cr :

Prereq.: German 102 or permission of department. The age of science and discovery: the Renaissance, the Reformation, the Wars of Religion, the Thirty Years War, and the emergence of the Baroque style in art, literature, and music.

284. From Enlightenment to Romanticism. 3 hr.; 3 cr :

Prereq.: German 102 or permission of department. The emergence of the middle class in the eighteenth century, culminating in a profusion of thought and writing surrounding Goethe's and Schiller's Classicism, and in one of the high points of German culture, Romanticism in art and literature.**

285. The Nineteenth Century. 3 hr.; 3 cr :

Prereq. or coreq.: German 102 or permission of department. Main currents of German culture from Goethe and Heine to Marx, Bismarck, and Nietzsche, including literature, music, science, philosophy, art, and politics.

286. The Twentieth Century. 3 hr.; 3 cr :

Prereq. or coreq.: German 102 or permission of department. The era of the World Wars, the Third Reich, and the Division of Germany; changes and developments in German society, especially in technology, art, music, and literature.

287. Seminar in German Civilization. 3 hr.; 3 cr.

Prereq.: German 102 or permission of department.

Courses in Other Germanic Languages**COURSES IN DANISH****11. Elementary Danish. 4 hr.; 4 cr :****112. Intermediate Danish. 4 hr.; 4 cr :**

Prereq.: Danish 111 or permission of department.

213. Periods and Personalities in Danish Literature. 3 hr.; 3 cr :

Prereq.: Danish 112 or permission of department. Advanced reading in the works of selected authors and introduction to literary tradition and genres. May be repeated for credit when the topic changes.

COURSES IN DUTCH**111. Elementary Dutch. 4 hr.; 4 cr :****112. Intermediate Dutch. 4 hr.; 4 cr :**

Prereq.: Dutch 111 or permission of department.

281. The Civilization of the Netherlands. 3 hr.; 3 cr :

An introduction to the historical and intellectual development of Holland and its cultural impact. Conducted in English.

COURSE IN ICELANDIC**201. Introduction to Old Icelandic. 3 hr.; 3 cr :**

Vocabulary and grammar of the Old Icelandic language; reading of selected prose and poetry in the original.

COURSES IN NORWEGIAN**111. Elementary Norwegian. 4 hr.; 4 cr :****112. Intermediate Norwegian. 4 hr.; 4 cr :**

Prereq.: Norwegian I 11 or permission of department.

213. Periods and Personalities in Norwegian Literature. 3 hr.; 3 cr :

Prereq.: Norwegian 112 or permission of department. Advanced reading in the works of selected authors and introduction to literary tradition and genres. May be repeated for credit when the topic changes. '

COURSES IN SCANDINAVIAN STUDIES**251. Literature of Early Scandinavia. 3 hr.; 3 cr :**

Old Norse literature in translation: selections from the Eddas, the sagas, and Skaldic verse. Scandinavian civilization from the Migrations through the Viking Age to the Classical Period (550-1300). Conducted in English.

259. Modern Scandinavian Literature. 3 hr.; 3 cr :

A study of Scandinavian drama and prose from the nineteenth century to the present. May be repeated for credit when topics vary. Conducted in English.

261. The Scandinavian Film. 3 hr.; 3 cr :

Survey of Scandinavian films; reading of related literary and critical works. Conducted in English. MAT charge, \$7.

281. Scandinavian Civilization. 3 hr.; 3 cr :

The intellectual and social environment of modern Scandinavia. Conducted in English.

COURSES IN SWEDISH**111. Elementary Swedish. 4 hr.; 4 cr :****112. Intermediate Swedish. 4 hr.; 4 cr :**

Prereq.: Swedish 111 or permission of department. '

213. Periods and Personalities in Swedish Literature. 3 hr.; 3 cr :

Prereq.: Swedish 112 or permission of department. Advanced reading in the works of selected authors and introduction to literary tradition and genres. May be repeated for credit when topic changes.

214. Readings in Eighteenth- and Nineteenth-Century Swedish Literature. 3 hr.; 3 cr :

Prereq.: Swedish 213. Readings and interpretation of works by writers such as Bellman, Tegner, Runeberg, and Heidenstam.

261. Ingmar Bergman. 3 hr.; 3 cr :

A survey of the dramatic art of Ingmar Bergman in film and Theatre. Readings in English. MAT. charge, \$7.'1"']

Slavic and East**European Languages**

Academic Adviser: Barry Rubin Office: Kiely 143

The division offers courses in the Russian language and Russian literature, as well as courses in other Slavic and East European languages and literatures. The basic program of instruction in each language seeks to prepare students in the four language skills of listening comprehension, speaking, reading, and writing. Elective courses in Russian provide intermediate and advanced instruction in both language and literature. Russian is used to a large extent as the classroom language in most language courses at the elective level.

Because language learning is cumulative in nature, and further development depends on the mastery of preceding language courses, students must obtain department permission to register in any course if two semesters have passed since satisfying the prerequisites.

The Major

Students wishing to major in Russian must take a minimum of 24 elective credits of work in Russian with a grade of *B-* or better. The rest of the 36 credits that constitute the major should be selected from courses in related fields, such as linguistics, comparative literature, history, philosophy, English, and other foreign languages and literatures. Primary consideration should be given to the following courses: Comparative Literature 218,331,333,334, 335,336, 337; History 109, 110, 303; Philosophy 106, 263; Political Science 235, 261. Students interested in Russian and East European area studies may consider pursuing an interdisciplinary major program, combining Russian language and literature with other disciplines related to the area, under the supervision of the Director of Interdisciplinary and Special Studies and the departments concerned.

The Minor

A minimum of 15 credits of Russian is required beyond the basic language courses (Russian 101,102, 203,204, 215), including Russian 155 and 225. Students with a background in Russian may substitute an elective for Russian 225 with the permission of the academic adviser.

Study Abroad

The department can arrange for study in Leningrad for students of Russian, and in Cracow for students of Polish. Depending upon the nature of the courses, credit may be granted toward the major and toward the degree at Queens College. The academic adviser can supply further information on these programs.

Elective Courses

Students considering a major must consult an adviser in the department before filling out appropriate concentration forms. For those majoring in Russian, Russian 301 and 302 should be

among the first electives chosen. They are *required* of all majors unless specifically waived by the department because of special competence in these fields. Students may choose a program that emphasizes either language or literature; however, a language concentration requires at least one literature elective in addition to Russian 331 and 332. All majors should check the department bulletin board for elective offerings and consult with their adviser before registering for the next semester.

Courses in Russian

Introductory courses for *Reading Know/edge Only*. (May not be taken to fulfill the foreign language requirement.)

10. Elementary, Russian for General Reading Purposes 1.4 hr.; 4 cr :

A concentrated course for beginners who wish to gain as rapidly as possible a general reading knowledge of Russian. Designed also for prospective graduate students in any field. Fundamentals of grammar, phonology, morphology, and basic syntax.

11. Elementary, Russian for General Reading Purposes 11.4 hr.; 4 cr :

Prereq.: Russian 10 or permission of department. A continuation of Russian 10 and an introduction to reading.

12. Introduction to Russian Conversation. 3 hr.; 3 cr :

Prereq.: Russian 11 or permission of department. A practical introduction to Russian phonetics, intonation, and spoken Russian for transfer students or others who have had a basic grammar course without adequate emphasis on oral usage. Not normally open to students enrolled in the Russian 101, 102, and 203 sequence.

BASIC COURSES

101. Elementary Russian I. 4 hr.; 4 cr :

For students with no previous knowledge of Russian. Basic training in listening, speaking, reading, and writing. Based on both oral-aural practice and the coordinated study of grammar, principally morphology.

102. Elementary Russian II. 4 hr.; 4 cr :

Pre- req.: Russian 101 or equivalent. A continuation of Russian 101 .

110. Intensive Elementary Russian I and II. 8 hr.; 8 cr.

An intensive combination of Russian 101 and 102.

203. Intermediate Russian 1.4 hr.; 4 cr :

Prereq.: Russian 102 or equivalent. Intermediate training in listening, speaking, reading, writing. Based on both oral-aural practice and the coordinated study of grammar, including morphology and syntax.

204. Intermediate Russian 11.4 hr.; 4 cr :

Prereq.: Russian 203 or equivalent. A continuation of Russian 203.

210. Intensive Intermediate Russian I and II. 8 hr.; 8 cr.

Prereq.: Russian 102 or permission of department. An intensive combination of Russian 203 and 204.

214. Intermediate Russian Conversation. 214.1-214.3 - 1-3 hr.; 1-3 cr.

Prereq.: Russian 203. Intensive practice in spoken Russian. May not be taken by students who speak Russian with native fluency.

215. Advanced Intermediate Russian I. 4 hr.; 4 cr :

Prereq.: Russian 204 or equivalent. A continuation of Russian 204.

225. Advanced Intermediate Russian II. 4 hr.; 4 cr :

Prereq.: Russian 204 or equivalent. An introduction to reading Russian.

COURSES IN RUSSIAN LANGUAGE**113. Phonetics and Intonation 1.3 hr.; 3 cr :**

Prereq.: Russian 102 or permission of department. A theoretical and practical analysis of contemporary standard Russian phonetics and intonation patterns.

123. Phonetics and Intonation 11.3 hr.; 3 cr :

Prereq.: Russian 102 or permission of department. A theoretical and practical analysis of contemporary standard Russian phonetics and intonation patterns. Uses different materials from those used in Russian 113. Both courses may be taken for credit.

301. Advanced Grammar and Composition 1.3 hr.; 3 cr :

Prereq.: Russian 215 or permission of department. Intensive practical study of advanced problems in Russian grammar, syntax, and idiom. Normally to be taken simultaneously with the student's first electives in literature.

302. Advanced Grammar and Composition 11.3 hr.; 3 cr :

Prereq.: Russian 301 or permission of department. A continuation of Russian 301.

311. Advanced Oral Practice 1.3 hr.; 1 cr :

Prereq.: Russian 215 or permission of department. Normally taken by majors at the same time as Russian 301.

312. Advanced Oral Practice II. 3 hr.; 1 cr :

Prereq.: Russian 215 or permission of department. Normally taken by majors at the same time as Russian 302.

321. Translation 1.3 hr.; 3 cr :

Prereq.: Russian 215 and English 120 or permission of department. A practical study in the problems and skills of translation of Russian and English.

322. Translation 11.3 hr.; 3 cr :

Prereq.: Russian 321 or permission of department. A continuation of Russian 321 with more advanced materials.

325. Stylistics. 3 hr.; 3 cr :

Prereq.: Russian 302 and 332 or permission of department. A theoretical and practical study of problems of stylistics in literary and nonliterary Russian.

326. Structure of Contemporary Russian. 3 hr.; 3 cr :

Prereq.: Russian 302 or permission of department. A theoretical and practical analysis of the structure of contemporary literary Russian in the nineteenth and twentieth centuries. Modern forms and recent changes in phonetics, morphology, and syntax are analyzed.

327. Contrastive Grammar. 3 hr.; 3 cr :

Prereq.: Russian 302 or permission of department. A theoretical analysis of modern Russian contrasted with English.

COURSES IN RUSSIAN LITERATURE AND THOUGHT IN ENGLISH**150. Russian Culture and Thought. 3 hr.; 3 cr :**

A survey of the institutions and cultural developments of Russia and the Soviet Union.

155. Keys to Russian Literature. 3 hr.; 3 cr :

A study of key works by the greatest Russian writers of the nineteenth century. Readings will include: Pushkin, Gogol, Turgenev, Dostoevsky. Lectures and readings in English.

231. Survey of Russian Literature 10 1848. 3hr.; 3 cr :

The development of Russian literature from the beginnings to the mid-nineteenth century. Lectures and readings in English.

232. Survey of Russian Literature since 1848. 3 hr.; 3 cr :

The development of Russian literature from the mid-nineteenth century to the present. Lectures and readings in English.

243. Russian Drama. 3 hr.; 3 cr :

The principal trends of Russian drama from the eighteenth century to the present. Lectures and readings in English. May not be taken for credit by students who have taken Russian 343.

244. Russian and East European Film..4 hr.; 3 cr :

This course will treat various aspects of Russian and East European film: aesthetic, cultural, political, historical. In particular semesters the course may deal with specific topics, periods, or directors. Lectures in English. Films will be shown in the original languages with English subtitles. May be repeated once for credit provided that the topic is different.

245. Russian Short Story. 3 hr.; 3 cr :

The Russian short story in the nineteenth and twentieth centuries. Lectures and readings in English.

248. Soviet Literature. 3 hr.; 3 cr :

Readings in and analysis of Russian prose and poetry from the Revolution to the present. Lectures and readings in English. May not be taken for credit by students who have taken Russian 348.:

249. Twentieth-Century Russian Emigre Literature. 3 hr.; 3 cr :

Prereq.: Completion of Humanities I, Tier 2 of LASAR. The student will be introduced to the notion of a national literature in exile. In addition to the historical and sociological factors involved in the rich body of literature written and published outside Russia, the course will discuss the character and flavor of the three waves of emigration (post-World War I, post-World War II, and since the 1970s).

280. Dostoevskv. 3 hr.; 3 cr :

A close study of the author's life, major works, and their influence on Russian literature. Lectures and readings in English. May not be taken for credit by students who have taken Russian 380.

281. Tolstoy. 3 hr.; 3 cr :

A close study of the author's life, major novels, selected short stories, and essays, and their influence on Russian and world literature. Lectures and readings in English. May not be taken for credit by students who have taken Russian 381 .

282. Chekhov. 3 hr.; 3 cr :

A close study of the author's principal stories and plays and his place in the history of Russian and world drama. Lectures and readings in English. May not be taken for credit by students who have taken Russian 382.:

COURSES IN RUSSIAN LITERATURE

331. Introduction to Russian Literature I. 3 hr.; 3 cr :

Prereq.: Russian 225 or equivalent. A critical reading and analysis of Russian prose and poetry to introduce the student to the concepts, methods, and terminology of literary analysis.

332. Introduction to Russian Literature 11.3 hr.; 3 cr :

Prereq.: Russian 331 or permission of department. A continuation of Russian 331 .

343. Russian Drama. 3 hr.; 3 cr :

Prereq.: Russian 332 or permission of department. The principal trends of Russian drama from the eighteenth century to the present.

348. Soviet Literature. 3 hr.; 3 cr :

Prereq.: Russian 332 or permission of department. Readings in and analysis of Russian prose and poetry from the Revolution to the present.

350. Nineteenth-Century Russian Poetry..3 hr.; 3 cr :

Prereq.: Russian 332 or permission of department. A critical study of the major poets of the nineteenth century. The classic, romantic, and realist trends of Russian poetry are studied and analyzed. Emphasis is placed on the interpretation and discussion of the works of Zhukovsky, Pushkin, Lermontov, Nekrasov, Tyutchev, and Fet.

351. Nineteenth-Century Russian Prose. 3 hr.; 3 cr :

Prereq.: Russian 331 or permission of department. A critical study of the major prose texts of the nineteenth century. Emphasis is placed on those writers whose works are not considered in separate courses, including Lermontov, Gogol, Goncharov, Turgenev.

360. The Silver Age of Russian Literature. 3 hr.; 3 cr :

Prereq.: Russian 332 or permission of department. An introduction to some of the works of the most important Russian writers and critics of the beginning of the twentieth century. Emphasis is placed on the evolution of literary trends and on the analysis of literary movements such as Symbolism, Acmeism, Formalism, Futurism.

362. Twentieth-Century Russian Poetry. 3 hr.; 3 cr :

Prereq.: Russian 332 or permission of department. A critical study of the major poets of the twentieth century from the Symbolists to the present.

375. Pushkin. 3 hr.; 3 cr :

Prereq.: Russian 332 or permission of department. A close reading of selected works, with lectures on Pushkin's life, times, and literary influence.

376. Gogol. 3 hr.; 3 cr :

Prereq.: Russian 331 or 332. A critical study of the author's life and principal writings, and their influence on Russian literature.

380. Dostoevsky. 3 hr.; 3 cr :

Prereq.: Russian 331 or permission of department. A close study of the author's life, major works, and their influence on Russian and world literature.

381. Tolstoy. 3 hr.; 3 cr :

Prereq.: Russian 331 or permission of department. A close study of the author's life, major novels, selected short stories, and essays, and their influence on Russian and world literature.

382. Chekhov. 3 hr.; 3 cr :

Prereq.: Russian 331 or permission of department. A close study of the author's principal stories and plays and his place in the history of Russian and world literature.

391,392. Seminar. 3 hr.; 3 cr :

each sem. Prereq.: Upper junior or senior standing; an average of B in elective courses taken in Russian; and permission of department. Designed especially to give qualified students experience in scholarly investigation. Those admitted explore a field of Russian literature. Each student examines intensively a special phase of the field, reporting his or her findings orally to the group as well as in a term paper.

395, 396. Special Problems. 1 conf. and 9 hr. work; 3 cr :

each sem. Prereq.: Upper junior or senior standing; the completion of at least four elective courses in Russian, and a scholastic record that indicates, to the satisfaction of the department committee, capacity for independent work. Prerequisite for 396 is a superior grade in 395. Individual research under the direction of a member or members of the department. The student reports in weekly conference to the research adviser, and presents such paper or papers as may be prescribed.

ELECTIVE COURSES IN SLAVIC AND EAST EUROPEAN LANGUAGES

240. Studies in Slavic and East European Languages. 240.1-240.3 - 1-3 hr.; 1-3 cr.

Different special language topics not covered by other courses will be assigned from time to time. May be repeated for credit if the topic changes.

250. Studies in Slavic and East European Literatures. 250.1-250.3 - 1-3 hr.; 1-3 cr.

Different special literary topics not covered by other courses will be assigned from time to time. May be repeated for credit if the topic changes.

COURSES IN CZECH**101. Elementary Czech 1.4 hr.; 4 cr :**

For students with no previous knowledge of Czech. Basic training in listening, speaking, reading, and writing.

102. Elementary Czech 11. 4 hr.; 4 cr :

Prereq.: Czech 101 or permission of department. A continuation of Czech 101 .

COURSES IN HUNGARIAN**101. Elementary Hungarian 1. 4 hr.; 4 cr :**

Basic instruction in listening, speaking, reading, and writing Hungarian. For students with no previous knowledge of Hungarian.

102. Elementary Hungarian 11. 4 hr.; 4 cr :

Prereq.: Hungarian 101 or permission of department. A continuation of Hungarian 101.

COURSES IN POLISH**101. Elementary Polish 1.4 hr.; 4 cr.**

For students with no previous knowledge of Polish. Basic training in listening, speaking, reading, and writing.

102. Elementary Polish 11.4 hr.; 4 cr :

Prereq.: Polish 101 or permission of department. A continuation of Polish 101.

203. Intermediate Polish. 4 hr.; 4 cr :

Prereq.: Polish 102 or permission of department. Further training in the development of the four language skills. Includes oral-aural practice and study of grammar.

COURSES IN SERBO-CROATIAN**101. Elementary Serbo-Croatian 1. 4 hr.; 4 cr :**

For students with no previous knowledge of Serbo-Croatian. Basic training in listening, speaking, reading, and writing.

102. Elementary Serbo-Croatian II. 4 hr.; 4 cr :

Prereq.: Serbo-Croatian 101 or permission of department. A continuation of Serbo-Croatian 101.

TRANSLATION STUDIES

Students interested in obtaining a letter of achievement attesting to translation skills in German or Russian must complete four additional courses in Translation Studies. See page 204, Translation Studies, for details.

HEALTH AND PHYSICAL EDUCATION

Chair: Margaret K. Franco

Graduate Adviser: Michael M. Toner

Undergraduate Advisers: Madeline Hurster (Health Education), Margaret Franco (Physical Education)

Dept. Office: FitzGerald 203F. 520-7212, 727213, 14

Professors: Magel, McArdle;

Associate Professors: Catelli, Fardy, Hoehn, Hurster, Sheppard, Toner, Wettan;

Assistant Professors: Franco, Kyvallos, Smith;

Chief Laboratory Technician: DeLuca;

College Laboratory Assistant: Chung;

College Administrative Assistant: Weinman;

College Assistant: Velez

The Department of Health and Physical Education offers 1) a sequence of courses leading to the Bachelor of Science in physical education or Bachelor of Arts in health education; and 2) a program of instruction in physical activities.

Liberal Arts Electives for Non majors

Unless designated, all activity courses are offered for beginners.

Students are not permitted to enroll in activities for which they possess a high level of proficiency. Opportunity to study specific areas in depth is provided through intermediate and advanced courses.

College Requirements in Physical Education

All baccalaureate students at Queens College shall complete satisfactorily one course in physical education selected from the liberal arts electives (RE. 11 through 30, or, for ACE students only, RE. 32). Students with physical and medical problems whose physician has stated in writing that it would be medically inadvisable to complete a physical activity course may select Physical Education 30. P.E. 30 is a 3-credit academic (classroom) course (Fitness Through Diet, Exercise, and Weight Control) that does not include any physical component.

PHYSICAL EDUCATION 11, 12, 13, 14, 15.

2 hr.; 1 cr. each course.

11. Physical Conditioning (elementary, intermediate, advanced).

Designed to help women and men to improve muscular strength and cardiovascular efficiency through the application of scientific methods to weight training and physical conditioning activities. Fall, Spring

12. Team Sports.

Courses in team sports activities. Opportunity is also provided for participation in intercollegiate athletics. Refer to *Class Schedule* for specific course offerings each semester.

13. Dance.

Courses in selected areas of dance. Refer to *Class Schedule* for specific course offerings each semester.

14. Individual Sports.

Courses in a wide variety of individual sport activities. Refer to *Class Schedule* for specific course offerings each semester.

15. Aquatics.

Courses in a variety of swimming and water sports. Refer to *Class Schedule* for specific course offerings each semester.

Swimming

Non-Swimmer,

no swimming experience. Fall, Spring Beginning Swimmer - ability to swim length of pool (25 yards). Fall, Spring

Intermediate Swimmer,

ability to jump into deep water and swim length of pool on back; turn over and swim length of pool; float on back with minimum actions. Fall, Spring

Advanced Swimmer,

ability to swim two consecutive lengths of pool with each of the following strokes: side

stroke, any back stroke, front crawl; surfacædive in 10 feet of water; dive from diving board.

Off-Campus and Outdoor Activities

Coordinator: H. Harry Hoehn

1. Courses in a wide variety of individual and group sport activities conducted in their natural settings.
2. Most outdoor courses are conducted during the school semester partially encompass and partially off-campus.
3. The following courses involve extended field trips and generally take place during Winter and Summer intercessions. All outdoor courses involve field fees.

Canoeing 15

Camping 14

Skiing 14 (Spring)

Skin & Scuba (int. & adv.) - Florida 21 (Spring)

Refer to *Class Schedule* for specific course offerings each semester.

ADVANCED COURSES

20. Wilderness and Outdoor Skills. 3 hr. plus 2 field trips; 3 cr :

A survey of outdoor skills including camping, backpacking, orienteering, rock climbing, canoeing, and survival skills.

21. Basic Skin and Scuba Diving. 3 hr, plus minimum of three open water dives; 3 cr :

For swimmers with little or no knowledge of the activity and persons seeking basic national certification. Training combines pool and classroom experiences with open water dives. Fall, Spring

22. Advanced Scuba Diving. 3 hr. field ups; 3 cr :

Prereq.: RE. 21 or equivalent national certification. The science and technology of life-supporting systems in hyperbaric environments, National certification in basic and advanced open water, dive master, and other specialty ratings for those students who qualify. Spring

23. Advanced swimming and Lifeguard Training. 3 hr.; 3 cr :

Prereq.: Ability to swim 50 yards of each of the four basic swimming strokes. Course designed to improve personal competence in basic and advanced swimming rescue, first aid, and artificial resuscitation, as well as advanced techniques in small-craft safety and aquatics leadership. Students may qualify for the American Red Cross Lifeguard Training Certificate. Fall, Spring

24. Methods of Teaching Aquatics. 3 hr.; 3 cr.

Prereq.: Ability to swim 500 yards with advanced skill in five different swimming strokes and current American Red Cross Emergency Water Safety Certificate or Lifeguard Training Certificate. Course designed to provide experience in the analysis of basic and advanced swimming skills, techniques of teaching advanced lifesaving, small-craft safety, and artificial resuscitation, as well as improvement in personal competence and leadership qualities in aquatics. Students may qualify for the American Red Cross Water Safety Instructor's Certificate. Fall, Spring

30. Fitness Through Diet, Exercise, and Weight Control. 3 hr.; 3 cr :

Current concepts and principles of nutrition, energy balance, body composition, weight control, and obesity, and physiological basis of physical conditioning. Opportunity for practical experience in managing diet and exercise programs. Not open to students who have taken RE. 230. Fall, Spring

31. Physiological Principles of Physical Conditioning and Weight Control. 3 hr.; 3 cr.

Prereq. or coreq.: Biology I 1. Physiological adjustments as a result of regular exercise training and conditioning with special reference to optimal nutrition, energy balance, body composition, and weight control in programs of total fitness for improved cardiovascular health. Not open to students who have taken RE. 351.

32. Adult Fitness Through Diet and Exercise. 3 hr.; 3 cr :

Prereq.: Open to ACE students only. A specialized lecture/laboratory course that satisfies the physical education requirement for ACE students. Topics include body image, healthful food intake, and physical fitness. Through an individualized nutritional survey, an in-depth activity profile, and a thorough assessment of body constitution and physical fitness status, an exercise program will be planned to meet individual needs. Fall

Honors Study

Coordinator: William D. McArdle

The Department of Health and Physical Education offers honors work within the Interdisciplinary and Special Studies Program. The purpose of this aspect of the program is to identify students of exceptional ability and potential and to provide the kinds of academic experiences that will enable them to pursue, in greater depth, a specific area in which they demonstrate both aptitude and interest. This work may take the form of specific honors courses or research tutorials for 1, 2, or 3 credits. Within the framework of the tutorials, guided research may be undertaken in conjunction with a specific major course, or a project may be supervised by a faculty member with an interest in a specialized area. In this manner, students are not limited by the scope of the coursework for a particular semester but are free to work independently with members of the faculty. Honors work may be done in health education or physical education and is not limited to majors in this department.

All interested students should see the department honors coordinator.

Note: English 95 or its equivalent is the minimum corequisite for all courses (see pp. 38, 124). +- offered *either* Fall or Spring; see *Class Schedule*
 ++ -may be offered; see *Class Schedule*

The Major in Physical Education

The purpose of the academic program is to produce scholars in the discipline of human movement, and to prepare students as teachers of physical education in the primary and secondary schools. In addition, students may develop competencies in athletic training, coaching, exercise science, and sport and social sciences.

Advanced study in physical education is available through the department's graduate program. There are two areas of specialization: curriculum and teaching in physical education and exercise science. For more information, consult the *Graduate Bulletin* or speak with the graduate adviser.

Undergraduate Program of Study

Students must fulfill all the requirements necessary for New York State Provisional Certification for the teaching of physical education in grades K-12 in order to receive the B.S. degree in Physical Education. The curriculum includes 16 credits of courses taken outside the department (selected from Area I below; note that these will satisfy some LASAR requirements), and 36 credits in physical education. In addition, students must take 38 credits in professional education courses, including 20 from the Secondary Education and Youth Services Department and 18 from the Health and Physical Education Department as specified below.

Students must achieve a grade of C or better in all physical education courses required for the major.

Students planning to enroll in the physical education major must file a concentration form with the major adviser. No student will be permitted to preregister for major courses unless an up-to-date concentration form is on file with the major adviser.

Curriculum

The following courses are required of all physical education majors:

<i>Area I</i> (16 credits)	<i>credits</i>
Chemistry 10	4
Biology 11	4
Biology 40	4
Biology 41	4

Physical Education Courses

<i>Professional Foundations</i> (6 credits)	
RE 160	3

RE 166	3
<i>Social Foundations (3 credits)</i>	
RE 150	3
	<i>credits</i>
<i>Scientific Foundations (12 credits)</i>	
RE 340 (Prereq.: Biology 40)	3
RE 341 (Prereq.: RE. 340)	3
RE 342 (Prereq.:Biology 41 and Chemistry 10)	3
RE 343 (Prereq.: Biology 11 and SEYS 221)	3
<i>Physical Activity Area (15 credits)</i>	
<i>Team Sports (4 credits)</i>	
RE 101	1
RE 102	1
RE 103	1
RE 104	1
<i>Individual Sports (5 credits)</i>	
RE 111	1
RE 112	1
RE 113	1
RE 114	1
RE 115	1
<i>Dance (1 credit)</i>	
One course from:	
RE 131	1
RE 132 (Prereq.: RE. 131)	1
RE 133	1
<i>Elective Activities (5 credits)</i>	
Five courses selected from:	
<i>Team Sports</i>	
RE 105	1
RE 106	1
RE 107	1
RE 108	1
<i>Individual Sports</i>	
RE 116	1
RE 117	1
RE 118	1
RE 119	1
RE 120	1

Department recommendation: all major students are strongly advised to include a course in physical conditioning (RE. 11) in their physical activity area.

Teacher Certification in Physical Education

New York State provisional certification for the teaching of physical education in grades K-12 requires the following education courses:

<i>Education Area (20 credits)</i>		<i>credits</i>
SEYS 201 (Prereq.: Sophomore standing)		4
SEYS 221 (Prereq.: SEYS 201)		3
SEYS 222 (Prereq.: SEYS 221)		3
SEYS 369 (Prereq. or coreq.: SEYS 222)		4
SEYS 379 (Prereq.: SEYS 369 and approval of the Departments of Health and Physical Education and Secondary Education and Youth Services.) ^{*1}		6

Department Requirements (18 credits)

In addition to the professional education courses listed above, the Department of Health and Physical Education requires the following courses in physical education:

RE. 161 (Prereq. or coreq.:RE. 160)	3
RE. 165 (Prereq. to RE. 344)	3
RE. 264 (Prereq.: RE. 160 and 161)	3
RE. 270	3
RE. 344 (Prereq.: RE. 165 or equivalent)	3
RE. 380 (Prereq.: SEYS 222 and RE. 15 and 264)	3

Physical Education

Courses for Majors

PHYSICAL ACTIVITY AREA

Skills and Applied Techniques. 2 hr.; 1 cr. each course.

Courses numbered 101 through 133 are designed to offer students majoring in physical education the opportunity to improve their own proficiency in a wide variety of sports and individual activities, and to provide an introduction to theory, safety, and methods of pedagogy appropriate to each activity. Emphasis is placed on student acquisition and demonstration of the knowledge, performance, and teaching competencies in each sport or activity as specified in the department's Competency Based Teacher Education (CBTE) plan as approved by the New York State Department of Education.

100. Team Sports

Required courses:

- 101 Basketball
- 102 Soccer
- 103 Softball
- 104 Volleyball

Elective courses:

- 105 Field Hockey
- 106 Football
- 107 Lacrosse
- 108 Team oriented Activities (Floor Hockey, Speedball, European Handball, etc.)
- 110 Individual Sports

Required courses:

- 111 Gymnastics
- 112 Tennis
- 113 Track and Field
- 114 Tumbling

! 15 Swimming (Presently, students may satisfy this course requirement by successfully completing any of the department's offerings in swimming at the beginning, intermediate or advanced level.)

*1 Students must complete all course work *prior* to student teaching (SEYS 379). All students must file a request form for student teaching with the School of Education. After this form has been filed, the Department of Health and Physical Education reviews the qualifications of the student before granting permission for student teaching.

Elective courses:

- 116. Archery
- 117. Fencing
- 118. Golf
- 119. Racket Sports
(Handball/Paddle ball, Badminton, Squash)
- 120. Wrestling
- 130. Dance
(minimum of one course required)
- 131. Modern Dance and Ballet
- 132. Choreography and Dance Production

(Prereq.: Physical Education 131)
133, European and American Folk Dance

APPLIED TECHNIQUES

141. Camping. 3 hr. plus 2 over night field trips; 2 cr :

A course designed to introduce students to some basic skills and techniques of camping. Only one credit of the above can be applied to the Major Skills requirement. Fall, Spring.

142. Officiating in Physical Education. 3 hr.; 1 cr :

Prereq.: Successful completion of the basic courses in the activities being covered in any particular semester. Evaluated individual performance in officiating techniques. Ratings are available to interested and qualified students. Fall

143. Workshop in Fundamental Motor Skills. 2 hr.; 1 cr.

Prospective teachers of physical education will demonstrate skill and knowledge of developmental activities so that they can facilitate motor skill acquisition and skill-related fitness of K-12 population.

144. Sport Skill Analysis: Teaching Individual Sports K-12. 144.1-2 hr.; 1 cr :

144.2 -4 hr; 2 cr :

144.3-6 hr.; 3 cr :

Prereq.: RE. 143. Focus is on the acquisition and demonstration of developmental K-12 content of teaching a designated sport to a K-12 population.

146. Sport Skill Analysis: Teaching Team Sports K-12. 146.1-2 hr.; 1 cr. 146.2-4 hr.; 2 cr :

146.3-6 hr.; 3 cr :

Prereq.: P.E. 143. Focus is on the acquisition and demonstration of developmental K- 12 content of teaching a designated team sports to a K-12 population.

WORKSHOP

143. Advanced Workshop in Physical Education. 145.1-2 hr.; 1 cr :

145.2-4 hr.; 2 cr :

145.3-6 hr.; 3 cr :

Prereq.: Permission of instructor. Current theories of teaching and coaching. The sports and skills studied will vary from semester to semester. May be repeated for credit provided the subject area is not the same. Only one credit may be applied toward the major physical activity requirement. Fall, Spring

THEORY COURSES

Students must successfully complete Physical Education 160 before taking a minimum of 21 credits of theory courses as designated.

SCIENTIFIC FOUNDATIONS OF PHYSICAL EDUCATION

230. Exercise, Energy, Balance, and

Weight Control. 3 hr. plus laboratory demonstration; 3 cr,

Concepts and principles of energy balance, body composition, weight control, and obesity as they relate to exercise for the general public. Opportunity for practical experience in managing diet and exercise programs, as well as objectively assessing the level of energy input and output through laboratory experiences. Not open to students who have taken P.E. 30.

340. Kinesiology. 3 hr. plus lab. demon.; 3 cr :

Prereq.: Biology 40. Study of the structure and function of the skeletal, articular, and muscular systems in relation to human motor performance. Fall

341. Biomechanics. 3 hr. plus lab. demon.; 3 cr :

Prereq.: RE. 340. Mechanical principles and physical laws of motion as applied to human movement and motor skill development. Spring

342. Physiology of Muscular Activity. 3 hr. plus lab. demon.; 3 cr :

Prereq.: Biology 41 and Chemistry 10. The acute and long-term physiological adjustments occurring in the human organism as a result of sport and other physical activities. Spring

343. Motor Learning and Performance. 3 hr. plus lab. demon.; 3 cr :

Prereq.: Biology 11 and SEYS 221. Psychological and neuro-physiological factors related to the acquisition and performance of motor skills, including laboratory experience and application to teaching. Fall

344. Measurement and Evaluation in Physical Education. 3 hr. plus lab. demon.; 3 cr :

Prereq.: RE. 165 or equivalent. Techniques and measurement of body composition, physiological fitness, endurance, performance, sport skill tests, muscular function; grading and evaluation. Spring

351. Physiological Principles of Exercise Training. 3 hr. plus lab. demon.; 3 cr :

Prereq. or coreq.: RE. 342. Physiological basis of long-term exercise training with special consideration of the body's morphologic and physiologic adaptation to specific forms of training. Various training and conditioning methods are examined. Not open to students who have taken RE. 31.

352. Fitness Assessment and Prescription of Exercise Programs. 3 hr. plus lab. demon.; 3 cr :

Prereq.: RE. 342; coreq.: RE. 351. Application of scientific principles of exercise physiology to the measurement and evaluation of healthy individuals. Techniques of exercise testing commonly used in corporate and adult fitness settings. Training methods for improvement in exercise capacity and good health. Designing exercise programs for individuals and groups.

SOCIAL FOUNDATIONS OF PHYSICAL EDUCATION

150. Socio-Historical Aspects of Sport. 3 hr.; 3 cr :

Study of the relationship between sport and society from a cultural perspective (primitive culture to the nineteenth century).

251. History of American Physical Education. 3 lec. hr.; 3 cr :

Sports and physical education in America (1865-present).

252. Social Perspectives of Sport. 3 hr.; 3 cr :

The sociological factors related to sport in contemporary society.

253. The Psychology of Sports Participation. 3 hr.; 3 cr :

The psychological factors related to sport in contemporary society.,

PROFESSIONAL FOUNDATIONS OF PHYSICAL EDUCATION

160. Principles and Foundations of Physical Education. 3 hr.; 3 cr :

Exposes prospective major students to the principles and philosophies on which contemporary physical education is based. Fall

161. Introduction to the Teaching of Physical Education. 3 hr.; 3 cr :

Prereq. or coreq.: RE. 160. Role of the physical educator; development of a professional concept of teaching through structured study, observation, and participation. Spring

165. Introduction to Statistical Methods in Physical Education. 3 hr.; 3 cr :

Introduction to descriptive, correlation, and inferential statistics; reliability, objectivity, and validity; hypothesis testing. Fall

166. First Aid and Safety. 3 hr.; 3 cr :

First aid techniques and principles and problems of safety in relation to the home, school, and community. Fall, Spring

168. Athletic Training and Conditioning. 3 hr.; 3 cr :

Prereq.: RE. 166. Provides an understanding of athletic injuries and studies methods of training and conditioning, both preventive and rehabilitative. Fall, Spring

262. Curriculum Development and Program**Organization in Physical Education. 3 hr.; 3 cr :**

Prereq.: Junior standing. The development of curriculum and the organization of programs in physical education.

263. Current Issues and Problems in Physical Education. 3 hr.; 3 cr :

An in-depth analysis of the current problems in the profession with special emphasis on future trends.

264. Physical Education: Pre-School Through Elementary School Levels. 3 hr.; 3 cr :

Prereq.: RE. 160 and 161. Examines relevant principles, methods, and materials of physical education in relation to teaching experiences. Spring

267. Advanced First Aid and Emergency Care. 3 hr.; 3 cr :

Prereq.: RE. 166 or equivalent. Further development of knowledge and personal competency in providing emergency life-sustaining measures, including cardiopulmonary resuscitation. American Red Cross certification in Advanced First Aid for students who qualify. Fall, Spring

269. Advanced Athletic Training. 3 hr.; 3 cr :

Prereq.: RE. 168. Advanced athletic training is designed to develop proficiency in evaluating athletic injuries and in constructing rehabilitation and reconditioning programs for athletes. Spring

371. Practicum in Teaching. Hr. to be arranged; 1 cr :

Prereq.: P.E. 143, 144, 146. The purpose of the course is to provide preservice students with learning experiences enabling them to practice selected teaching competencies required for successful student teaching. Teaching competencies required in the department's CBTE Program are developed in a "real-world" setting under the guidance and assistance of a master teacher of the College. Practicum students are expected to directly apply content knowledge and skills acquired in previous courses to the design, implementation, and evaluation of lessons focused on sport and physical education activities.

373. Internship in Exercise Science. 90 hr. per semester plus 1 hr. seminar; 3 cr.

Prereq.: RE. 352 or permission of instructor. In-depth, structured, practical experience in a formalized program dealing with fitness and health enhancement of individuals. Experiences in existing clinical or corporate programs are integrated with academic preparation through regular seminar meetings on campus. The minimal on-site hourly requirement is 90 hours but varies according to the nature of the site's program.

380. Special Physical Education. 2 rec., 3 lab. hr.; 3 cr :

Prereq.: SEYS 222, RE. 264, and RE. 15 (beginning swimming or equivalent swimming ability). An introduction to the theory and methods of physical education for the special individual. Laboratory experience includes working with the handicapped.

391. Research in Physical Education.**391.1-3 hr.; 1 cr : ; 391.2-6 hr.; 2 cr : ; 391.3-9 hr.; 3 cr.**

Prereq.: Permission of instructor and department. The student works on a research problem under the supervision of a member of the physical education faculty. Fall, Spring

392. Principles of Coaching. 3 hr.; 3 cr :

Prereq.: RE. 145 Sport Workshop. This is a lecture course in the theory and principles of coaching and program development. It is designed to explore the relevant aspects of sport performance and places special emphasis on training and analytical techniques in movement. In addition, areas such as motivation, team interaction and synergy, and styles of coaching will be included.

393. Coaching Internship. 90 hr. plus 1 hr. conf. per week.; 3 cr :

Prereq.: RE. 392. The internship is designed to give students a coaching experience in a specific sport. Students taking this course will be placed in a Queens or Nassau County school. They will work in a varsity or junior varsity program directed by the head coach of the school program.

OUTDOOR EDUCATION

270. Introduction to Outdoor Education. 3 hr. plus field trips; 3 cr :

To provide a basic knowledge of local natural environments through the acquisition of outdoor living skills and their application to existing school and recreational programs.

271. Outdoor Education and the Marine environmental 3 hr. plus 5 days in the field; 3 cr :

Prereq.: RE. 270. Designed to introduce students to varied marine environments, their use in the past and present, and problems related to pollution, management, and conservation. Not offered 1993-95.

272. Homesteading and Related Technology. 3 hr. plus 5 days in the field; 3 cr :

Prereq.: P.E. 270. Basic crafts and skills used by early American homesteaders. Use of solar collectors, windmills, and alternate energy systems. Not offered 1993-95.

273. Outdoor and Conservation Education. 3 hr. plus field trip to a center where school programs are conducted in outdoor and conservation education; 3 cr :

Prereq.: RE. 270. Designed to introduce students to basic concepts of ecology, management of parks, and conservation of natural environments. Not offered 1993-95.

SEMINARS

395. Seminar in Physical Education. 3 hr.; 3 cr.

Prereq.: Designated according to topic, and permission of instructor. Selected topics in physical education. Topics will vary from semester to semester. May be repeated for credit providing the topic is not the same.

396. Seminar in Special Physical Education. 3 hr.; 3 cr :

Prereq.: RE. 380 or permission of instructor. Selected topics in the theory and special problems of providing for the physical education needs of special individuals. Topics will vary from semester to semester. May be repeated for credit provided the topic is not the same. Not offered 1993-95.

The Major in Health Education

All new and transfer students planning to enroll in the health education major program must consult with Professor Madeline Hurster (FitzGerald 203M) before registering for courses.

The major in Health Education consists of three tracks: School Health, Community Health, and Health Management.

Program Requirements: Health Education Track

	<i>credits</i>
<i>Science Requirements</i>	14
Biology 11	
Biology 40	
Computer Science 12	
Home Economics 161	
<i>Other Requirements:</i>	
<i>One course from among the following:</i>	3
Sociology 205	
Psychology 107	
Mathematics 14	
<i>One course from among the following:</i>	
	<i>credits</i>
Geology 3	3
Geology 9.3	
Sociology 236	
<i>Health Requirements</i>	33
Health Education 110	
Health Education 111	
Health Education 112	

Health Education I 13	
Health Education 114	
Health Education 221	
Health Education 222	
Health Education 223	
Health Education 224	
Health Education 232	
<i>Education Requirements:</i>	20
SEYS 201	
SEYS 221	
SEYS 222	
SEYS 368	
SEYS 378	
Community Health Track	
<i>Science Requirements</i>	14
Biology 11	
Biology 40	
Computer Science 12	
Home Economics 161	
<i>Other Requirements:</i>	
<i>One course from among the following:</i>	3
Sociology 205	
Psychology 107	
Mathematics 14	
<i>One course from among the following:</i>	3
Geology 3	
Geology 9.3	
Sociology 236	
<i>Health Requirements</i>	33
Health Education 110	
Health Education 111	
Health Education 112	
Health Education 113	
Health Education 114	
Health Education 222	
Health Education 224	
Health Education 231	
Health Education 333	
Health Management Track	
<i>Science Requirements</i>	22
Biology 11	
Biology 40	
Biology 41	
Chemistry 10	
Computer Science 12	
Home Economics 161	
<i>Other Requirements:</i>	credits
<i>One course from among the following:</i>	3
Sociology 205	
Psychology 107	
Mathematics 14	
<i>All of the following courses:</i>	15
Accounting 101	
Physical Education 166	
Physical Education 30	

Physical Education 340	
Physical Education 342	
<i>Health Requirements</i>	30
Health Education 110	
Health Education 111	
Health Education 112	
Health Education 113	
Health Education 114	
Health Education 222	
Health Education 231	
Health Education 333	

Recommended Electives for All Tracks

- Anthropology 220
- Anthropology 225
- Anthropology 270
- Biology 52
- CAS 103
- CAS 252
- Home Economics 142
- Home Economics 147
- Home Economics 248
- Home Economics 262
- Health Education 346
- Health Education 347
- Health Education 348
- Psychology 232
- Psychology 331
- Sociology 210
- Sociology 213
- Sociology 227
- Urban Studies 101
- Urban Studies 132

Additional Information

No more than two field work courses may be taken in any semester.

All of the courses on a designated level must be satisfactorily completed, i.e., with a grade of C or better, before those on the next higher level may be taken.

No student will be able to pre-register for major courses unless an up-to-date college transcript is on file with Professor Hurster.

Students interested in becoming certified to teach health in New York State must complete the health education sequence as indicated, and the education sequence of Secondary Education 201, 221, 222, 368, and 378.

No student will be able to preregister for major courses unless the major code is checked on the registration card.

LEVEL I

110. Introduction to Health Education. 3 hr.; 3 cr :

Orientation to the profession of Health Education; role of the health educator in schools, the community, and the workplace. introduction to national, state, and local professional organizations focusing on health and/or health education.

111. Roles of the Individual and of the Community in Communicable and Chronic Disease Control and Prevention. 3 rec. hr., field work; 4 cr :

Emphasis on those diseases most prevalent in contemporary American society. Fall, Spring

LEVEL II

112. Roles of the Individual and of the Community in Contemporary Health Problem Areas. 3 rec. hr., field work; 4 cr :

Emphasis on drug abuse, smoking, and alcohol. Fall, Spring

113./Urban Studies 131. Urban Health Issues. 3 rec. hr., field work; 4 cr :

A review of health problems affecting the urban population. Emphasis on overpopulation, pollution, housing, and accidents. Fall, Spring

114. Attitude and Behavior Change in Health. 3 hr.; 3 cr :

Conditions and phenomena affecting health behavior and attitudes. Fall, Spring

LEVEL 111

221. School Health Program. 3 hr.; 3 cr :

Survey of school health programs; organization and administration of health services, healthful school living, health education. The various aspects of the school health program evaluated in terms of their role in health education. Spring

222. Health Counseling. 3 hr.; 3 cr :

Prereq.: Psychology 12 and permission of instructor. Principles and methods of counseling students with health problems. This course is intended for persons who have work experience in the health field and/or have completed the health education core courses. Fall, Spring

224. Human Sexuality. 3 hr.; 3 cr :

Physiological, cultural, psychological, and ethical considerations of human sexuality. Fall, Spring

231. Organization and Administration of Community Health Programs. 3 hr.; 3 cr :

Public health as it is organized internationally, nationally, and locally in the public and private sectors. Fall, Spring

232. The Parent and Child Health. 3 hr.; 3 cr :

Prereq.: Home Economics 161. Health factors in pregnancy, childbirth, and childbearing in traditional and nontraditional families. Fall, Spring

LEVEL IV

333. Internship in Health. Five mornings or afternoons a week in a public or voluntary health agency; 6 cr :

Prereq.: Completion of all health core courses and Health Education 231 and 232 plus upper senior status and a cumulative index of 3.0. Students exempted from or ineligible for Health Education 333 may substitute two health courses. Fall, Spring

ELECTIVE COURSES

223. Curriculum Development in Primary and Secondary School Health Education. 3hr.; 3 cr :

Designed to acquaint prospective teachers with the factual material of health education. Spring

346. Patient Education. 3 hr. plus field work; 4 cr :

Prereq.: Junior standing or permission of instructor. The role of patient education in in-patient care, including psycho-social and cultural factors affecting patient education; organization, implementation, and evaluation of hospital wide and specific patient population educational programs; interviewing techniques; teaching methodology. Spring

347. Seminar in Gerontology. 3 hr.; 3 cr :

Prereq.: Junior standing or permission of instructor. An examination of the impact of demographic, biological, medical, psychological, sociological, cultural, technological, economic, and political factors on optimal health in aging. Spring

348. Seminar in Health Education. 3 hr.; 3 cr.

Prereq.: Satisfactory completion of all courses in health core (Biology 11 and 40, Home Ec. 161, Health Education 111, 112, 113, 114) or permission of instructor. Selected topics in health education. Topics will vary from semester to semester. May be repeated for credit providing the topic is not the same. Fall, Spring

HISTORY

Chair: Jon A. Peterson

Graduate Adviser: Frank Merli

Dept. Office: Powder maker 200, 997-5350

Distinguished Professors: Avrich, Yavetz;

Professors: Delia Cava, Gruder, Hershkowitz, Hirshson, Kaplan, Kinsbruner, McManus, Pine, Prall, Rossabi, Schulman, Syrett, Warren, Wreszin;

Associate Professors: Alteras, Carlebach, Frangakis Syrett, Haan, Merli, O'Brien, Peterson;

Assistant Professor: Gordon; *Lecturer:* Rosenblum;

Research Associate: Nuxoll;

Department Secretaries: Kapchan, Rahaman

History, usually classified as a social science, also retains strong links with the humanities. Its various approaches - political, economic, social, and intellectual require a wide range of different methods. Courses offered by the department are intended to acquaint students, both history and non-history majors, with the aims, methods, and results of historical research. The contemporary trend to expand the study of history beyond a national and Western framework is reflected in the offerings of the department.

Historical studies provide the background needed for graduate work, for positions in government, the civil service, law, and journalism, as well as the teaching of history and social studies at different levels.

The Major

Majors are required to take a minimum of 36 credits in history. As part of the 36 credits, the following courses are required: History 101, 102, 103, 104, and at least one colloquium (History 392). Also, as part of the 36 credits, majors must take a minimum of 12 credits (in addition to the required courses) in any one of the following special areas:

1. Ancient History. Includes History 113, 114, 201 through 208, and 249.
2. European History since the Fall of Rome. Includes History 100, 107 through 110, 115, 116, 130, 209 through 242, 247, 250 through 254, 289, 291, 292, 300 through 306.
3. United States History. Includes History 257 through 286, 288, 331, 332, 391.
4. History of areas of the world other than the United States and Europe. Includes History 105, 106, 111, 112, 117 through 121, 140 through 142, 243, 244, 255, 256, 287, 360. (History 200, 362, 392, 393, and 394, have subjects that vary. They will be included in whichever special area is appropriate for the particular section of the course.)

To graduate with a major in history, students must have a cumulative grade point index of at least 2.0 in history courses taken at Queens College. Transfer students majoring in history must take a minimum of 18 credits in the History Department, regardless of the number of history credits earned at other institutions.

Students majoring in history must consult with the concentration advisers in order to insure that their programs satisfy department requirements. A concentration form should be filed with the department during the junior year. Introductory surveys (History 100 through 116) should be taken by majors as soon as possible and should normally precede more advanced courses in each of the areas covered. Those who plan to do graduate work in any field of history should consult the Chair or department members as early as possible and should pay special attention to the language requirements for advanced study.

History majors seeking to qualify for secondary school social studies licenses should study the relationships between history and education requirements when planning their courses. For guidance, consult history and secondary education advisers.

Students interested in Latin American history may take the joint major in Latin American Area Studies and history. For requirements, see Latin American Area Studies in this *Bulletin*.

Department honors will be granted to majors who have a 3.5 grade-point average in history.

The Minor

The minor in history consists of 18 credits in history, of which at least 6 credits must be in United States history and at least 6 credits in history other than that of the United States. Transfer students majoring in history must take a minimum of 12 credits in the History Department. To be graduated with a minor in history, students must have a cumulative grade-point index of at least 2.0 in history courses taken at Queens College.

Courses**1. Survey of Western Civilization from Ancient Tunes to 1715. 3 hr.; 3 cr :**

The broad outline of Western history from the golden age of Greece through the seventeenth century, with emphasis on institutional, intellectual, and artistic development. Readings will include primary source material. Fall, Spring

2. Survey of Western Civilization, from 1715 to the Present. 3 hr.; 3 cr :

The broad outline of Western history from the eighteenth century to recent times, with emphasis on institutional, intellectual, and artistic development. Readings will include primary source material. Fall, Spring

100. Europe in the Middle Ages. 3 hr.; 3 cr :

Europe from the end of the ancient world through the late Middle Ages. Fall, Spring

101. Modern Europe, 1500-1815.3 hr.; 3 cr :

European history from the late Middle Ages through the Napoleonic era. Fall, Spring

102. Modern Europe, 1815 to the Present. 3hr.; 3 cr :

European history from the Congress of Vienna to the atomic era. Fall, Spring

103. American History, 1607-1865. 3 hr.; 3 cr.

The United States from colonial times to the end of the Civil War. Fall, Spring

104. American History, 1865 to the Present. 3 hr.; 3 cr :

The United States from Reconstruction to the present time. Fall, Spring

105. History of Latin America to 1825. 3 hr.; 3 cr :

Survey of major developments from the era of colonization through the wars of independence. Fall

106. History of Latin America, 1825 to the Present. 3 hr.; 3 cr :

Survey from the wars of independence to the present; special attention to political concepts, foreign imperialism, social and economic problems. Spring

107. History of England to 1603. 3 hr.; 3 cr :

English political, religious, and social institutions from early times to the death of Elizabeth I. Fall

108. History of Great Britain since 1603. 3 hr.; 3 cr :

English history from the death of Elizabeth I to the present. Spring

109. History of Russia to 1855.3 hr.; 3 cr :

From the Kievan period to the death of Nicholas I. Fall, Spring

110. History of Russia since 1855. 3 hr.;3 cr.

From the accession of Alexander II to the present time. Fall, Spring

111. History of Africa. 3 hr.; 3 cr :

Survey of African history south of the Sahara; emphasis on the rise and decline of medieval African kingdoms, the effects of the slave trade on the indigenous peoples, and the growth of African nationalism under colonial rule. Fall

112. Introduction to East Asian History. 3 hr.; 3 cr :

A topical survey of the major characteristics of Chinese and Japanese civilizations.

113. Ancient History. 3 hr.; 3 cr :

The ancient world from the earliest civilization of Egypt and Mesopotamia to the decline of the Roman Empire. Fall, Spring

114. History of the Jewish People 1.3 hr.; 3 cr.

The ancient period. Emphasis on the interpretation of literary and archaeological evidence in the light of modern scholarship. Fall

115. History of the Jewish People 11. 3 hr.; 3 cr.

The Jewish Middle Ages from the decline of the Palestinian center to the beginnings of civic emancipation (ca. 200 A.D. to 1789). Fall, Spring

116. History of the Jewish People 111.3 hr.; 3 cr.

The varieties of the Jewish experience since 1789; religious and secular, political and cultural. Fall, Spring

117./Arabic 160. The History and Civilization of Islam. 3 hr.; 3 cr :

Explores the institutions and intellectual traditions of the civilization of Islam from the days of the Prophet Muhammad through the modern period.

Note: English 95 or its equivalent is the minimum corequisite for all courses (see pp. 38, 124). offered *either* Fall or Spring; see *Class Schedule* may be offered; see *Class Schedule*

118. The Caribbean: A Historical Survey. 3 hr.; 3 cr :

This course traces the social, economic, and political development of the Caribbean countries from pre-Columbian times to the present, emphasizing the nature and role of slavery and foreign domination. Fall, Spring

119. The Spanish Caribbean in the Twentieth Century. 3 hr.; 3 cr :

A comparative study of the history, societies, and migrations of the peoples of the Dominican Republic, Puerto Rico, and Cuba in the twentieth century.

120. History of Mexico. 3 hr.; 3 cr :

Survey from pre-Columbian times to the present. Fall, Spring

121. History of Brazil. 3 hr.; 3 cr :

The major developments from colonial times to the present.

125. World Civilizations to 1715. 3 hr.; 3 cr :

A survey of the political, social, and cultural history of world civilizations to 1715. Not open to students who have taken History 1.

126. World Civilizations since 1715. 3 hr.; 3 cr :

A survey of the political, social, and cultural history of world civilizations from 1715 to the present. Not open to students who have taken History 2.

130. History of Christianity. 3 hr.; 3 cr :

A survey of the history of Christianity from its origins to the present, primarily in Europe, and with attention to its interaction with state, society, and civilization.

140. China to 1500. 3 hr.; 3 cr :

Survey from earliest times to the eve of the first contacts with the West. Fall

141. China after 1500. 3 hr.; 3 cr :

The initial Western impact and China's response. Spring

142. History of Japan. 3 hr.; 3 cr :

The major cultural and political trends in Japan from the earliest times. Fall

200. Selected Studies in History. 3 hr.; 3 cr :

Topic to be discussed varies; announced in advance. May be repeated for credit provided the topic is not the same. Fall, Spring

201. Ancient Egypt. 3 hr.; 3 cr :

The first two millennia. A broad survey of Egyptian political, social, cultural, and religious institutions from their origin to the end of the middle kingdom. Fall

202. Ancient Egypt: The Empire and After. 3 hr.; 3 cr :

The history of Egypt from the establishment of the Empire until the coming of the Greeks. Spring

203. The Origins of Civilization in the Near East. 3 hr.; 3 cr :

A broad survey of the political, social, cultural, and religious institutions of ancient West Asia from the Sumerians until the Biblical Patriarchs.

204. The Ancient Near East: The Assyrian Empire. 3 hr.; 3 cr :

The history of ancient West Asia during the first millennium B.C. Spring

205. Greece from the Sea-Peoples to Alexander the Great. 3 hr.; 3 cr :

From the Sea-Peoples' migration-invasions through the Persian Wars, the city-state, the Peloponnesian War, the destruction of Greek democracy, and the rise of Macedonia. Fall

206. The Hellenistic World to the Roman Conquest. 3 hr.; 3 cr :

The conquest of Persia, the wars of the Diadochi, and the political and social institutions of the Hellenistic world with emphasis on the Hellenistic East. Spring

207. The Rise of the West: The Roman Republic. 3 hr.; 3 cr :

The early civilization of Italy and the foundation, growth, and expansion of Rome, with emphasis on the history of the republic, the decline of republican institutions, and the emergence of authoritarian government. Fall

208. History of the Roman Empire. 3 hr.; 3 cr :

The development of imperial institutions, the imperial bureaucracy, the spread of Oriental religions, the decline of classical civilization, and the transition to the Middle Ages. Spring

209. The Byzantine Empire, 324-1025. 3 hr.; 3 cr :

The history of the Byzantine Empire to the end of the Golden Age; the founding of Constantinople; the transfer of the Imperial Capital to the East; Christianization of the Empire; barbarian invasions; wars with the Persians and the Arabs; expansion and cultural renaissance.

210. The Byzantine Empire, 1025-1453. 3 hr.; 3 cr :

From the Empire's apogee to its fall: the Crusades and the dismemberment of the Empire; last recovery; conquest by the Ottoman Turks.

211. Western Europe in the Early Middle Ages. 3 hr.; 3 cr :

A study of the civilization of the West from the Barbarian invasions to the High Middle Ages. Fall

212. Western Europe in the High Middle Ages. 3 hr.; 3 cr :

The institutions and culture of the West at the height of medieval civilization. Spring

213. An Intellectual History of the Renaissance. 3 hr.; 3 cr :

An analysis of the views on human nature and society by such major Renaissance thinkers as Petrarch, Pico, More, Erasmus, Machiavelli, and Montaigne. Fall

214. Studies in the Italian Renaissance. 1300-1600. 3 hr.; 3 cr :

A study of Italian Renaissance civilization including artistic, political, and intellectual developments. Spring

215. Europe in the Age of Reformation, 1517-1648. 3 hr.; 3 cr :

The growth of religious unrest, the Protestant Reformation, the Catholic or Counter-Reformation, and the wars of religion, to the Peace of Westphalia. Fall

216. The Old Regime: European Society and States. 3 hr.; 3 cr :

The political, social, economic, and intellectual structures of Europe and their transformation from the late seventeenth century to the end of the eighteenth century (1789).

217. Europe in the Era of the French Revolution and Napoleon. 3 hr.; 3 cr :

The causes and unfolding of the French Revolution, its impact on France and Europe during the years of revolution and war, 1789-1815. Spring

218. Liberalism, Nationalism, and Social Change: Europe, 1815-1870. 3 hr.; 3 cr :

Political, economic, and social institutions in Europe from the Congress of Vienna to the close of the Franco-Prussian war. Spring

219. Fascism, Nazism, and Stalinism. 3 hr.; 3 cr :

A comparative historical analysis of three totalitarian systems with attention to their genesis, ideology, techniques of repression and terror, and foreign policies. Fall, Spring

220. Dynasties to Dictators: Europe, 1870-1939. 3 hr.; 3 cr :

The coming of war; World War I, 1914-1918; the problems of peace; Communism and Nazism; democracies in crisis; the Great Depression; the Road to War. Fall

221. The Second World War. 3 hr.; 3 cr :

Outbreak of War; Blitzkrieg; Battle of Britain and the invasion of Russia; Pearl Harbor and the War in Asia; the Resistance and Holocaust; the search for peace. Spring

222. Europe since 1945. 3 hr.; 3 cr :

Western European recovery; the East European revolutions and the development of communist regimes; the Cold War and nuclear armament; the problems stemming from the end of colonial empires, population increase, and economic development. Fall, Spring

223. Anarchism. 3 hr.; 3 cr :

The history of anarchism with emphasis on such modern thinkers as Bakunin and Kropotkin, as well as anarchism in action in Russia and Spain, and the anarchist movement in the United States. Fall, Spring

224. Utopias. 3 hr.; 3 cr :

A historical analysis of the great utopias from Plato to Skinner, and the application of utopian ideas to communitarian experiments. Readings will include Plato's *Republic*, More's *Utopia*, Bellamy's *Looking Backward*, Morris's *News from Nowhere*, Huxley's *Brave New World*, Orwell's *1984*, and Skinner's *Walden Two*. Fall, Spring

225. England under the Tudors and Stuarts. 3 hr.; 3 cr :

Selected topics in the history of England during the Tudor and Stuart periods. Fall

226. England under the Hanoverians. 3 hr.; 3 cr.

Selected topics from the Glorious Revolution to 1815. Fall

227. Victorian England. 1815-1901. 3 hr.; 3 cr.

The impact of industrialization, changing attitudes toward the state, the individual, poverty, morality, the family and the church, the emergence of new classes, new parties, and new social ethic. Spring

228. Twentieth-Century Britain. 3 hr.; 3 cr :

The Labor Party and the Welfare State, the decline of the Liberals, the economy and the Empire, the impact of war, "appeasement," party politics, the Irish question, and the women's movement. Spring

229. English Constitutional History.. 3 hr.; 3 cr.

The English constitution from the Norman Conquest to the present. Spring

230. Ireland from the Norman Conquest to 1690. 3 hr.; 3 cr :

An investigation of Celtic culture and its near destruction by the English in the sixteenth and seventeenth centuries. Fall

231. Ireland since 1690. 3 hr.; 3 cr :

A study of Irish nationalism from the Battle of the Boyne to the present troubles in the North.
Spring

232. France since 1815. 3 hr.; 3 cr :

The history of France from the Battle of Waterloo to the present.

233. History of Modern Italy. 3 hr.; 3 cr :

From the eighteenth century to the present; particular attention to the origins of the Risorgimento, the achievement of Italian unity, the domestic and foreign policy of united Italy during pre-Fascist and Fascist periods.

234. The Hapsburg Empire, 1526-1918. 3 hr.; 3 cr :

A survey of the peoples of the Danube and the monarchy that ruled through five centuries. Fall

235. Central Europe from 1648 to the Unification of Germany. 3 hr.; 3 cr :

A study of institutions and events, with emphasis on the decline of the Holy Roman Empire, the development of princely absolutism, and struggle for supremacy in Germany and growth of Nationalism. Fall

236. Germany from 1870 to the Present. 3 hr.; 3 cr :

Emphasis on Germany in world politics, industrial transformation and social change, the nature and origins of National Socialism, and the development of East and West Germany since 1945. Spring

237. The Holocaust. 3 hr.; 3 cr :

Centered on the Nazi attempt to exterminate the Jewish population of Europe, the course covers the background of German-Jewish relations, the Nazi movement, Nazi measures against the Jews culminating in the death camps, and the Jewish response. Supplemented by documentary films.
Fall, Spring

238. The Industrial Revolution. 3 hr.; 3 cr :

The origins of the industrial revolution, and the political and social impact of technological and scientific innovation. Fall, Spring

239. History of Southeastern Europe, 1354-1804. 3 hr.; 3 cr :

Institutions, politics, economy, society, and culture of Southeastern Europe under Ottoman rule.

240. History of Southeastern Europe, 1804 to the Present. 3 hr.; 3 cr :

The rise of nationalism, the dissolution of the Ottoman empire, and the formation of the Southeastern European states.

241. Modern Greek History, 1821-1923. 3 hr.; 3 cr :

The formation of the modern Greek state: politics, economy, society; nationalism and the international relations of Greece.

242. Modern Greek History, 1923 to the Present. 3 hr.; 3 cr :

Political, social, economic, and intellectual development in post-1923 Greece, as well as the Greek state in world politics.

243. The History of Puerto Rico. 3 hr.; 3 cr :

A survey of Puerto Rican history from preColumbian times to the present.

244. History of the Far East in Modern Times. 3 hr.; 3 cr :

Emphasis on relations between Occident and Orient since 1800. Spring

247. Women in Modern European History. 3 hr.; 3 cr :

A study of the myths and realities of women's roles in European history, from the eighteenth century to the present; including their roles in the home and family, in the public spheres of education, work, and politics.

249. The Jews in Greco-Roman Palestine. 3 hr.; 3 cr :

A study of Palestinian Jewry from its re-establishment in 539 B.C. to its decline in the third century A.D. Attention will focus on changing Jewish political status, on the contacts with Greco-Roman civilization, and on the development of Rabbinic Judaism.

250. The Jews in the Medieval Islamic World. 3 hr.; 3 cr :

A study of the flourishing Jewish communities of the medieval Muslim world. Attention will focus on Jewish economic life, political status, social relations with non-Jews, communal organizations, and intellectual creativity.

251. The Jews in Medieval Christendom. 3 hr.; 3 cr :

A study of medieval Jewish life in the Roman Catholic world. Attention will focus on the development of northern European Jewry, its alliance with the political powers, its communal organization, and its religious and intellectual vitality.

252. Medieval Spanish Jewry. 3 hr.; 3 cr :

A study of the large and important Spanish Jewish community from its roots in the Roman world through its status under Christian rule, Muslim domination, and renewed Christian control. The pattern of development of the community will be studied, followed by an analysis of its eventual decline and expulsion in 1492.

253. Modern Western European Jewry. 3 hr.; 3 cr :

Analysis of the re-establishment of Jewish communities in western Europe during the sixteenth and seventeenth centuries, followed by consideration of the broad societal changes that resulted in the emancipation and modernization of western European Jewry.

254. The Jews in Eastern Europe. 3 hr.; 3 cr.

The history of medieval eastern-European Jewry, from the thirteenth century on, followed by consideration of the early modern period, including the persecutions of 1648-49, the effort at rebuilding Jewish life, and the development of Hasidism. The course will conclude with the rapid modernization of the late nineteenth century.

255. History of Zionism. 3 hr.; 3 cr :

A study of the emergence of the Zionist movement and its impact on the creation of the State of Israel. The political, cultural, and religious aspects of Zionism will be analyzed. Fall, Spring

256. History of Modern Israel. 3 hr.; 3 cr :

The history of Israel from the founding of the state to the present; emphasis on the circumstances leading to the establishment of the Jewish state and on the domestic and foreign policy of Israel. Fall, Spring

257. American Jewish History. 3 hr.; 3 cr :

This course will examine the major developments in the history of the Jews in America. Topics covered will include: the influence of the several waves of immigration from Europe, the mutual effects of American and Jewish culture on one another, the evolution of American Jewish institutions and identity, and the impact of prejudice in American Jewish life.

258. Colonial History of America. 3 hr.; 3 cr :

The English colonies in North America from the first discoveries to 1763; the European background; early settlement and expansion; colonial institutions; and the development of English colonial policy. Fall, Spring

259. The American Revolutionary War. 1763-1789. 3 hr.; 3 cr :

American history from Revolutionary era to establishment of the federal union. Fall, Spring

260. The United States in the Early National Period: 1789-1824. 3 hr.; 3 cr :

Federalism and the emergence of political parties; the settlement of the Midwest and the Louisiana Purchase; the War of 1812 and the Era of Good Feeling. Spring

261. The Age of Jackson. 3 hr.; 3 cr :

The Jackson era, its origins and effect on American life.

262. Civil War and Reconstruction. 3 hr.; 3 cr.

The origins of the Civil War; the antebellum South, North, and Midwest; secession and conflict; the aftermath and Reconstruction. Fall, Spring

263. The New America: 1878-1808. 3 hr.; 3 cr.

The end of the frontier; industrial capitalism and the transformation of agriculture; the labor movement; urbanization and the agrarian revolt. Fall

264. Progressivism, Power, and Prosperity: 1898-1928. 3 hr.; 3 cr :

The progressive movement, foreign relations and imperialism, World War I and its consequences. Fall

265. The New Deal and World War II: 1929-1945. 3 hr.; 3 cr :

Political, economic, and social developments, 1929 to 1945. Fall, Spring

266. Contemporary America: 1945 to the Present. 3 hr.; 3 cr :

Political, economic, and social developments of post-World War II years. Fall, Spring

267. Diplomatic History of the United States to 1895.3 hr.; 3 cr :

The diplomacy of expansion and national security; the political, economic, social, and intellectual aspects of national life as sources of foreign policy. Fall

268. Diplomatic History of the United States, 1895-1945. 3 hr.; 3 cr :

American foreign policy toward the Far East, Latin America, Europe, and Africa. Spring

269. Diplomatic History of the United States since 1945. 3 hr.; 3 cr :

American foreign policy in the post-World War II period, Fall

270. History of Women in the United States. 3 hr.; 3 cr :

A study of women in American history, including their roles in the home, on the frontier, in education, the workplace, politics, war, and religion.

272. Studies in American Intellectual History. 3 hr.; 3 cr :

The historical development of ideas in the United States; the relation of ideas to society; the role of the intellectual in society. Fall

273. American Labor History 10 World War. 3hr.; 3 cr :

The development of the labor movement, its ideology and its relation to social movements and to the economic structure of society, from Jeffersonian America to the first World War.

274. American Labor History from World War I to the Present. 3 hr.; 3 cr :

Special attention is given to emergence of the CIO during the New Deal, the role of the Left, the Cold War, multinational corporations, the shift to the service and public sector, automation, the increase of women in the work force, the movement of industry to the Sun Belt, new working-class ideologies, and political approaches.

275. Business in American Life. 3 hr.; 3 cr :

A survey of major developments in the history of businessmen, firms, and organizations from colonial history to the present. Emphasis is placed on the relation between the business sector and other elements of American society. Fall, Spring

276. The Immigrant in American History. 3 hr.; 3 cr :

The European background of immigration and the role of immigrants in American social, political, and economic life. Fall, Spring

277. Afro-American History I. 3 hr.; 3 cr :

A survey of Negro life and history in the United States up to the first World War, with emphasis on the years after the Civil War. Fall

278. Afro-American History II. 3 hr.; 3 cr :

The role of the Negro people in the economic, political, and social development of the United States since 1914. Spring

279. History of the American City. 3 hr.; 3 cr.

Studies in the intellectual, social, technological, and demographic forces that have determined the growth of American cities. Spring

280./Urban Studies 251. Urban Planning in the American Past. 3 hr.; 3 cr :

How Americans designed and built towns and cities; an examination of the city-building process, emphasizing landmark urban plans.

282. American Constitutional History to 1865. 3 hr.; 3 cr :

The history of the Constitution of the United States, its sources in the colonial era, and its evolution through decisions of the Supreme Court and constitutional controversies through the Civil War. Fall

283. American Constitutional History since 1865. 3 hr.; 3 cr :

The continuing evolution of the Constitution since the Civil War and Reconstruction, changing conceptions of the federal system and rights guaranteed by organic law. Spring

284. History of New York State. 3 hr.; 3 cr :

From its beginnings as a Dutch colony to the present. Special attention to original materials, biographers, diaries, and travels that describe New York from generation to generation. Fall

28.5. History of the City of New York. 3 hr.; 3 cr :

From frontier settlement to world metropolis. Special attention to original materials, letters, diaries, official records, and other primary sources. Spring

286. History of the Borough of Queens. 3 hr.; 3 cr,

This course is devoted to the historical development of Queens, colonial times to the present. Each student must have a 3.0 grade average and will conduct an original investigation and submit a substantial documented report. Fall, Spring

287. War in History. 3 hr.; 3 cr :

The history of warfare from antiquity to the modern period; the role of warfare as a universal historical phenomenon.**

288. American Military History. 3 hr.; 3 cr :

The development of American military institutions from James town to the present.

289. Subversion and Terrorism in the Modern World. 3 hr.; 3 cr :

An analysis of the role of intelligence, subversion, and armed resistance in modern politics. The use of institutional violence, either physical or mental, by governments or rebels to effect or prevent political changes. Also the development of "people's war" and "revolutionary warfare." Fall

291. The Emergence of Science in Antiquity and the Middle Ages. 3 hr.; 3 cr :

The emergence of a recognizable science and technology in primitive societies; ancient Babylonian, Egyptian, and Greek science, with emphasis on ancient medicine; the foundations of modern science in the Middle Ages.

292. The Rise of Modern Science. 3 hr.; 3 cr :

The scientific revolution of the seventeenth century, concentrating on the astronomical work of Copernicus, Kepler, Galileo. and Newton; Darwinian evolution; the conquest of epidemic diseases; the development of nuclear weapons.

300. Studies in Medieval History. 3 hr.; 3 cr :

Examinations of a variety of medieval institutions (e.g., the church) and areas (e.g., the Moslem Mediterranean, medieval Scandinavia) not covered in other medieval history courses. Topics will vary and course may be repeated for credit with permission of the instructor.

301. Studies in the Enlightenment. 3 hr.; 3 cr.

The ideas of the Enlightenment, their intellectual antecedents, and their impact on European society.

302. Studies in European Intellectual History since 1800. 3 hr.; 3 cr :

Movement and role of ideas in the nineteenth and twentieth centuries, emphasis on political, social, and scientific ideas significant in molding Western thought.

303. Russian Intellectual History. 3 hr.; 3 cr.

The main currents of Russian intellectual history in modern times.,

304. Nazi Germany. 3 hr.; 3 cr :

From beer hall to the bunker, an analysis of the origins and nature of Nazism; the leading personalities; domestic and foreign policies; popular support and resistance.

306. The Air War in Europe, 1939-45. 3 hr.; 3 cr.

The use of air power as a strategic weapon in Europe during World War II. Spring

331. American Radicalism in the Twentieth Century. 3 hr.; 3 cr :

A history of the major radical movements of the twentieth century. The Communist Party, the Socialist Party, the Industrial Workers of the World, and the New Left of the 1960s will be examined. Spring

332. Anti-Radicalism in Twentieth-Century America. 3 hr.; 3 cr :

A study of the political and cultural ramifications of anti-radicalism in shaping society and culture in twentieth-century America. This course will deal with the impact of anti-radicalism on the arts, communication, education, labor, and reform movements. Fall, Spring

360. History of Medicine. 3 hr.; 3 cr :

Ancient medicine: Egyptian, Babylonian, Indian, Chinese, and Peruvian. Historical impact of specific diseases: typhus, leprosy, syphilis, malaria; the relation of society, disease, and health; the attitude of society regarding illness, death, and hygiene; changes in influence of epidemic diseases on the course of history

362. Studies in Diplomatic History. 3 hr.; 3 cr.

Selected topics in the history of diplomacy. Subject matter may vary with each semester and section.

390. European Historiography. 3 hr.; 3 cr :

For history majors. Designed to introduce students to the development of the historical method. Supervised readings, research, and group discussions in connection with special topics in this field.

391. American Historiography. 3 hr.; 3 cr :

For history majors. Designed to introduce students to the development of the historical method. Supervised readings, research, and group discussions in connection with special topics in this field.

392. Colloquium. 3 hr.; 3 cr :

Prereq.: Open to students with at least 18 credits in history or by special permission of department. An intensive study in a selected field of history. The subject to be studied will vary from semester to semester and will be announced in advance. May be repeated for credit provided the subject is not the same. Fall, Spring

393. Tutorial. 3 hr.; 3 cr :

Prereq.: Permission of department. Students undertake and complete an individual research problem in their field of special interest under the direction of an instructor in the History Department. Fall, Spring

394. Seminar in History. 3 hr.; 3 cr :

An intensive study in a selected field of history. The subject to be studied will vary from semester to semester and will be announced in advance. This seminar may be repeated for credit provided the subject is not the same. Fall, Spring

HOME ECONOMICS

Chair: Elaine Ludman

Deputy Chair and Graduate Adviser: Jacqueline Newman

Dept. Office: Remsen 306, 520-7219

Professor: Newman;

Associate Professor: Ludman;

Assistant Professors: Kant, Lowe, Malroux, Petersen;

Adjunct Assistant Professors: Norman, Travers;

Lecturer: Miller;

Adjunct Lecturers: Braverman, Brown, Harker, Jerome, Koplow, Lyons, Merola, Ross, Weiner;

Laboratory Technician: Newman;

Administrative Assistant: Manus

The Home Economics Department is accredited by the Council for Accreditation of the American Home Economics Association. The professional programs offered by this accredited unit include concentrations in Family Management and Consumer Studies, Foods and Nutrition and Dietetics, Home Economics Teacher Education, and Textiles and Clothing.

Home economics coursework synthesizes knowledge from the physical sciences, the social sciences, and the humanities, and applies this knowledge to an interdisciplinary study of individual and family life. Courses in the department are designed for men and women who want to enter the profession of home economics, those who want to relate some phase of home economics to their major, and those who want to fulfill a general cultural interest in one or more courses in the field. A minor in home economics is available. The department divides its courses into two parts.

Basic Courses

All courses in this group are open to non majors. These are elementary courses and include Home Economics 101,104, 106, 121,125, 142, 143, 147, 151,153, 156, 157, 158, 159, and 161.

Courses Open to Majors

Other courses in the department build on further science or further interpretation of the field, and are open to department majors and other students who satisfy the prerequisites. The minimum grade of C in a course is required before a student may register in any course for which it is a prerequisite.

The Major

Home economists are employed in such diverse areas as dietetics and nutrition, food service, teaching, business and industry, consumer and social welfare agencies, extension agencies, merchandising, fashion and textiles, research, and communications. Because each home economist is a trained professional who shares certain common understandings with all other home economists, all students majoring in the department take a common core of basic courses. These include Home Economics 106, 147, 151, 153, 161 or 263 and 264, and 380; Art 1; Chemistry 16 and 17 or 19 and 59; and either Biology 11, 20, 22, or 102. In addition to the body of common knowledge requirements, students complete one of the following areas of specialization:

- 1) *Family Management and Consumer Studies:* Home Economics 101,142, 203, 248, 252, plus one elective from the areas of equipment, textiles, or field work.
- 2) *Food and Nutrition:* Home Economics 101,104, 175,203,307. (Note: Food and Nutrition majors must take Home Economics 263 and 264 and Chemistry 19 and 59, or equivalents, as part of the core.)
- 3) *Textiles and Apparel:* Home Economics 121,125, 128, 157 or 158, 227, 228,325 and 327; Economics 101.
- 4) *Secondary School Teaching:* Students seeking to qualify for a New York State provisional teaching certificate can do so by completing a competency-based program which, in addition to the core, includes Home Economics 101,121,125, 142, 159, 203,228,335, and Secondary Education 201,221,222, 366, and 376.
- 5) *ADA Plan V:* The department also offers an approved program for students who wish to go beyond the required coursework in foods and nutrition in order to satisfy the professional certification requirements of the American Dietetics Association. As the ADA Plan V program requires numerous courses in the Home Economics Department and in other departments beyond those outlined above for the general Food and Nutrition area,

students should consult an adviser at the earliest possible point in their academic career to ascertain specific requirements.

The Minor

A minor in home economics is available in the area of Textiles and Clothing or Foods and Nutrition. Students who want to have the minor noted on their transcript must register with the department. The minor in Textiles and Clothing consists of Home Economics 121, 125, 128, and 227 and at least six credits selected from among the following courses: 228, 322, 325, 327, 358, or 621. The minor in Foods and Nutrition consists of Home Economics 101, 263, 264, and at least six credits selected from among Home Economics 104, 175, 203, 307, and 379. Students who wish to take a major in Home Economics and a co-major in elementary education should be sure to consult an EECE adviser.

FIT Study Option

Queens College home economics majors who are interested in fashion design or merchandising may have the opportunity to study these specializations at the Fashion Institute of Technology for one semester and earn 16 to 18 transfer credits. Queens College cannot guarantee that the program will be available every semester, but will attempt to make appropriate arrangements for a semester's study for qualified students. Interested students should consult the department office for information as soon as possible in the semester prior to the term in which FIT study is desired.

Fashion Design (Fall only)

To qualify, if the program is available, the student must have completed with a grade of B or higher:

Home Economics 125, 226 or 228, and 327

In addition, the following courses must be completed:

Home Economics 121

and one or more of the following courses:

Home Economics 157, 158, 227, 325 and:

Art 151

Semester at Fashion Institute of Technology to include the following courses:

AP 105. Apparel Design

AR 105. Fashion Art and Design

CL 111. Fashion in Contemporary Living

and five to seven credits of electives.

Merchandising

Home Economics 121, 125, 151, 227

In addition, one or more of the following courses must be completed:

Home Economics 156, 157 or 158, 228, 322, 327

and one course from the following:

Computer Science 12

Economics 101

Psychology 226

Semester at Fashion Institute of Technology to include the following courses:

FM 111. Introduction to the Fashion Business; 3 cr :

AC 111. Promotion and Advertising; 3 cr :

FM 118. Consumer Motivation; 3 cr :

and six to nine credits of electives.

Note: Queens College will guarantee to accept credits for these courses if prior permission is obtained from the department. Queens will attempt to make prior arrangements for qualified students. All fees and tuition are paid to FIT at its rates.

Courses

BASIC COURSES

101. The Science of Foods. 2 class hr., 3 lab. hr.; 3 cr :

Chemical and physical properties of foods that affect handling, preparation, and storage. MAT charge, \$40. Fall, Spring

104. Social, Cultural, and Economic Aspects of Foods. 3 hr.; 3 cr :

Multidisciplinary study of world food patterns and nutritional implications in various cultures. Fall

Note: English 95 or its equivalent is the minimum corequisite for all courses (see pp. 38. 124). - offered *either* Fall or Spring; see *Class Schedule*
++ -*may be* offered; see *Class Schedule*

106. Introduction to Home Economics. 3 hr.; 3 cr :

Provides an introduction to the field, its history and philosophy. Special emphasis will be placed on the distinct areas of the field and the ways in which these specializations are related and integrated. This course is open to majors and non majors. As it provides an introduction to the field, it should be taken as early in their College program as possible by those who anticipate majoring in home economics. Fall, Spring

121. Textiles. 3 hr.; 3 cr :

A study of textile fibers, fabrics, and finishes. Testing and identification of fabrics. MAT charge, \$10. Fall, Spring

125. Clothing Construction I. 1 class hr., 2 lab. hr.; 2 cr :

Instruction in fundamental techniques, use of equipment, and commercial patterns. MAT charge, \$20. Fall, Spring

128. Apparel Analysis. 2 hr.; 2 cr :

Investigation, analysis, and evaluation of processes used in the development and manufacture of apparel products as they relate to consumer satisfaction and performance. Students are advised to take Home Economics 125 as a pre- or corequisite.

142. Child Care and Home Nursing. 3 hr.; 3 cr.

Child development and home health practices as they relate to family living.

143. Household Equipment. 2 lec. hr.; 2 cr :

The physical characteristics of materials, as related to their uses; principles of operation; national safety standards. Field trips included.,

147. Family Relations. 3 hr.; 3 cr :

Interpersonal relations in contemporary American marriage and family life. Topics include dating, courtship, sex attitudes and behavior, family pre-planning, communication, marital conflict, the unmarried, elements of a successful marriage. Fall, Spring

151. The Family and Consumer Studies. 3 hr.; 3 cr :

A study of consumer issues as they affect the family, with special emphasis on cultural, social, psychological, and economic factors influencing consumer behavior; consumer rights and responsibilities; public policy issues. Fall, Spring

153. Family Resource Management. 3 hr.; 3 cr.

The effective management of resources for individuals and families. Fall, Spring

156. Interior Decoration and Home Furnishings. 3 hr.; 3 cr :**157. History of Costumes and Furnishings:****Ancient Egypt to the French Revolution. 3 hr.; 3 cr :**

Fall

158. History of Costumes and Furnishings:French Revolution to the Present.3 hr.; 3 cr :

Spring

159. Design for Home Living. 3 hr.; 3 cr :

The study and application of fundamental design in the selection of home furnishings and accessories. Fall

161. Nutrition. 3 hr.; 3 cr :

Fundamental principles of normal nutrition and their application to the selection of adequate diets for individuals and families. Fall, Spring

175. Institutional Management. 3 hr.; 3 cr :

Current procedures in the administration and organization of dietary departments; emphasizes the duties of the food-service director. Spring

203. Meal Planning and Meal Management. 2 class hr., 3 lab. hr.; 3 cr :

Prereq.: Home Economics 101 or permission of department. Understanding the meaning of foods in family meals, and the basic principles of meal planning, preparation, and service with effective use of money, time, and energy. MAT charge, \$40. Fall, Spring

220. Household Textiles. 3 hr.; 2 cr :

Prereq.: Home Economics 121. A study of household textiles with emphasis on design, finishes, and selection. Instruction in application and use. 226. Clotting Construction 11. 1 class hr., 2 lab. hr.; 2 cr :

Prereq.: Home Economics 125. Continuation of Home Economics 125. Students are required to supply their own materials.

227. Interdisciplinary Aspects of Textiles and Clothing. (formerly Home Economics 127) 3 hr.; 3 cr

Prereq.: Junior standing. A survey of sociocultural, scientific, and aesthetic aspects of clothing and textiles.

228. Individual and Family Clothing Problems. 3 hr.; 3 cr :

Prereq.: Home Economics 121 and 125. Identifying special problems in clothing construction and design and solving these problems through experimentation and research. Spring

248. Problems in Marriage and the Family. 3 hr.; 3 cr :

Prereq.: Home Economics 147. An exploration of current factors that precipitate family crisis, and the effect of crises on the family as a group. Fall

252. Current Problems in Family and Consumer Studies. 3 hr.; 3 cr :

Prereq.: Home Economics 151. Investigation of consumer problems of individuals and families. Spring

262. Nutrition for the Child. 2 lec., 1 conf. hr.; 2 cr :

Prereq.: Home Economics 263. Nutrition and child feeding as they relate to growth and health of the child. The lunch period (2 to 3 hours on one day of the week) will need to be free for observations of lunch programs in schools.

325. The Apparel Industry. 3 hr.; 3 cr :

Prereq.: Economics 101; Home Economics 121 and 227. An overview of the domestic and international apparel industry, including its historical evolution and current trends. Types of enterprises, merchandising practices, and relationships within and among sectors of this industry will be explored.

327. Apparel Design. 4 hr.; 3 cr :

Prereq.: Home Economics 121 and 125. The design process as it is applied in the apparel industry. The utilization of design principles, techniques for designing including sketching, draping, and pattern drafting, and a study of the role of the apparel designer. A field trip will be required.

COURSES OPEN TO MAJORS**263, 264. Nutrition. 3 hr.; 3 cr :**

each sem. Prereq.: For Home Economics 263, Chemistry 59; for Home Economics 264, Home Economics 263. A study of energy, protein, mineral, and vitamin requirements; the utilization of nutrients in the body; and the application of nutritional principles. Fall, Spring

307. Experimental Food Study. 2 lec., 3 lab. hr. plus conf.; 4 cr :

Prereq.: Home Economics 101 and Chemistry 59. Techniques in food experimentation and the completion of an individual study including interpretation and evaluation of results. MAT charge, \$40. Fall, Spring

322. Survey of Recent Developments in Textiles. 3 hr.; 3 cr :

Prereq.: Home Economics 121 or equivalent and permission of department.

335. Home Economics and the Media. 3 hr.; 3 cr.

Prereq.: Home Economics 106. A survey of the contributions of the various media to home economics.

337. Nutrition Education. 2 hr.; 2 cr :

Prereq.: Home Economics 263. An overview of nutrition education that will explore the settings in which nutrition education is carried out, introduce nutrition students to learning theory, and review techniques and resources for teaching nutrition. Students will learn to assess the needs of different learner groups and select and evaluate appropriate nutrition education materials.

350. Practicum in Personal and Family Finance. 2 hr. seminar plus 2 hr. lab.; 3 cr :

Prereq.: Home Economics 151. Students will apply their understanding of family management and consumer finance to the solution of specific consumer problems of individuals and families by learning to organize and operate a service for dispensing financial information and counseling clients.

351. Seminar in Family Management and Consumer Behavior. 3 hr.; 3 cr :

Prereq.: Home Economics 151. Consumer behavior studied from the perspective of the home economist. An examination of the effect of corporate marketing strategies on the family as a consuming unit. This course is designed for the consumer affairs professional who will be acting as: 1) an interpreter of family interests within the corporate environment and 2) a spokesperson for the corporation to consumers.

354. Workshop in Home Management. Work totaling 45 hr.; 1 cr.

Prereq.: Home Economics 153.

358. Research in Historic Costume. 358.1 358.3-1, 2, or 3 hr.; 1, 2, or 3 cr.

Prereq.: Home Economics 121, 125, and 158 and permission of the department. Development of an independent research project in the conservation, analysis, dating, and/or restoration of historic costume materials. Students may register for 1, 2, or 3 credits depending on the scope of the project.

364. Special Research Projects in Foods and Nutrition. 3 hr.; 3 cr :

Prereq.: Home Economics 263. Students will participate in developing and carrying out research in field settings. Such factors as health status, food habits, and/or nutrition needs will be studied. Using the data gathered, instruction in library research and the use of the computer and various techniques of analysis will be included,

365. Seminar in Nutrition. 1 hr.; 1 cr :

Prereq.: Home Economics 264. Presentation of current topics in nutrition and related areas by students, faculty, and specialists in foods and nutrition.

367. Nutrition in Disease. 3 hr.; 3 cr :

Prereq.: Chemistry 79 and Home Economics 263, 264. (264 may be taken as corequisite with permission of instructor.) Study and practice in the application of dietary principles to those pathological conditions for which adaptation is important. Spring

368. Advanced Nutrition. 3 hr.; 3 cr :

Prereq.: Biology 43; prereq. or coreq.: Home Economics 264. Special problems in nutrition, including needs during the different stages of life, current research, international nutrition, public health aspects, laws, dissemination of information, and nutrition quackery. Spring

371 through 376. Field Work Courses.

Prereq.: Junior or senior standing and permission of department. Field work courses provide professional experience for majors in approved institutions, agencies, firms, or community activities in areas related to home economics. (One or two semesters; the two semesters may be taken concurrently.) MAT charge, \$30. Fall, Spring

371. Field Work in Institutional Management. 371.1-3 hr.; 1 cr.; 371.2-6 hr.; 2 cr :

372. Field Work in Nutrition. 372.1-3 hr.; 1 cr.; 372.2-6 hr.; 2 cr :

373. Field Work in Clothing and Textiles. 373.1-3hr.; 1 cr : ; 373.2-6 hr.; 2 cr :

374. Field Work in Foods. 374.1-3 hr.; 1 cr : ; 374.2-6 hr.; 2 cr :

375. Field Work in General Home Economics. 375.1-3 hr.; 1 cr : ; 375.2-6 hr.; 2 cr :

376. Field Work in the Community. 376.1-3 hr.; 1 cr : ; 376.2-6 hr.; 2 cr :

377. Quantity Food Production. 2 lec., 3 lab. hr.; 3 cr :

Prereq.: Home Economics 101 and 175. Standards, principles, methods, and experiences in quantity food production. Laboratory hours are in off-campus facilities. Students must set aside one morning per week (7 am to 1 pm) for work and travel time. Students will be required to take out liability insurance coverage when registering. MAT charge, \$30. Fall

379. Quantity Food: Purchasing and Equipment. 3 hr.; 3 cr :

Prereq.: Home Economics 101 and 175. Principles and methods of purchasing quantity foods and equipment, including specification requirements, record keeping, and cost control. Fall

380. Seminar in Home Economics. 1 hr.; 1 cr.

Prereq.: Junior standing with a minimum of 18 credits in home economics. An overview of the field of home economics: scope, trends, new developments. Fall

390. Studies in Home Economics.

390.1-1 hr.; 1 cr : ; 390.2-2 hr.; 2 cr : ; 390.3-3 hr.; 3 cr :

Prereq.: Permission of department. The topic for each semester will be announced in advance.

May be repeated for credit provided the topic is not the same. The following graduate courses are open to qualified undergraduate students with permission of the department.

621. Textile Testing and Evaluation. 3 hr.; 3 cr :

Prereq.: An undergraduate course in textiles. Application of standard textile tests used in research and by the textile industry for evaluation of selected fabrics.

634. Home Economics in Adult and Occupational Education. 3 hr.; 3 cr :

636. Writing for the Professional Home Economist. 3 hr.; 3 cr :

Prereq.: Completion of 20 or more credits in home economics. The preparation of home economics-related copy for press and news releases, promotional material, newspapers, magazines, and business publications.

638. Housing for Family Living. 3 hr.; plus field trips; 3 cr :

HONORS IN THE MATHEMATICAL AND NATURAL SCIENCES

Coordinator: P.C. Munding

Office: Remsen 120, 520-7547

Committee: Berkowitz (Chemistry and Biochemistry), Brown, B. (Psychology), Brown, T. (Computer Science), Emerson (Mathematics), Finks (Geology), Munding (Biology), Genack (Physics), Bayne-Smith (Health & Physical Education), Kant (Home Economics)

Honors Studies in the Mathematical and Natural Sciences is intended for students who have demonstrated exceptional ability in mathematics and science at the high school level and plan to continue these studies at Queens College. Honors Studies is designed to provide research skills, enrich the academic life of participants, and to encourage interaction among students who have similar interests. Students will be expected to enroll in the Honors Science Seminar in the first two semesters of participation and in individual study and research projects thereafter.

Eligibility

Students with interests and demonstrated ability in mathematics and science are invited to apply for admission into Honors Studies. Although most students enter during their freshman year, sophomore entry will be permitted. All applications for admission will be reviewed by the faculty committee.

Courses

101. Science Honors Seminar. 2 hr.: 2 cr.

Prereq.: By permission of the Honors Committee only. Examination of the scientific method, introduction to library and computer research skills, and discussion of selected modern research problems in the mathematical and natural sciences.

102. Science Honors Seminar. 2 hr.; 2 cr :

Prereq.: By permission of the Honors Committee only. Discussion of selected modern research problems in the mathematical and natural sciences.

291-293. Science Honors Research. 291.1 3 hr.; 1 cr., 291.2-6 hr.; 2 cr ;, 291.3-9 hr.; 3 cr :

Prereq.: By permission of the Honors Committee only to students who have completed Science Honors Seminars 101 and 102. (Sophomores may register for no more than 2 credits each semester.) Introduction to the methods and techniques of research in the mathematical and natural sciences. Each student works on an individual research project of defined scope under the supervision of a member of the faculty in the Division of Mathematics and Natural Sciences. Students will be expected to write a report based upon progress made in the laboratory or upon study of the literature in a specific field of scientific research.

HONORS IN THE WESTERN TRADITION

Director: William P. Kelly

Office: Delany 305,997-3180

Secretary: Denise Pagano

Honors in the Western Tradition (HWT) is intended for students who wish to gain an understanding of the fundamental works of literature, religion, and philosophy that have shaped the Western tradition. It is particularly meant for students who wish to do so without sacrificing the possibility of majoring in a traditional field. In order to allow sufficient time to study these major works with some care and to see their relationship to each other, Honors in the Western Tradition offers the planned sequence of courses listed below. Each course in the sequence is taught as a special section.

English 381. Literature of the Bible

English 140. Introduction to Poetry

Philosophy 140. History of Ancient

Philosophy Classics 250. Ancient Epic and Tragedy

HWT 151. Medieval Thought

HWT 201. Early Modern Thought

HWT 251. Pre-Enlightenment and Enlightenment Thought

HWT 301. Nineteenth-Century Thought.

HWT 351. Senior Seminar

Any student who has been admitted to the College and has passed the CUNY Assessment Tests in writing and reading may enter HWT. Retention requires maintaining a B (3.0) average in courses. Although most students enter the courses in their freshman year, sophomore entry is permitted.

The sequence satisfies the college wide requirements in English composition and the following Liberal Arts and Sciences Area Requirements: Humanities 1, Tier 1 and Tier 2, Humanities III, and Pre Industrial and/or Non-Western Civilization. In addition, completion of the entire sequence will satisfy one of the social science course requirements. Any social science course on the LASAR list may be used to complete the social science requirement.

The Minor

A minor in the Western Tradition consists of any six courses (18 credits) from among the offerings, one of which must be the Senior Seminar.

Courses

HWT 101 and 102 are open only to Townsend Harris High School seniors:

101. 102. Freshman Humanities Colloquium. 3 hr.; 3 cr :

each sem. Prereq.: Passing grade on the CUNY Assessment Test. Selected readings from the classic texts of the Western Tradition, from the Bible and the Greeks to the present. The course will emphasize reading, writing and student discussion. Townsend Harris High School graduates who elect to matriculate at Queens College and who continue in the Honors in the Western Tradition may use HWT 101 and 102 in lieu of English 140 and one of the HWT senior seminars to complete the ten-course sequence in HWT. For Townsend Harris graduates who do not choose to complete the sequence in Honors in the Western Tradition, HWT 101 and 102 will satisfy the Hum. I, Tier 1 and Pre-Industrial and/or Non-Western Civilization components of LASAR.

HWT 151. Medieval Thought. 3 hr.; 3 cr.

Prereq.: By permission only. Christian thought and literature in the late ancient and medieval periods as reflected in selected writings from the New Testament, Augustine, Aquinas, Dante, and some of their contemporaries.

HWT 201. Early Modern Thought. 3 hr.; 3 cr.

Prereq.: By permission only. Renaissance literature, Reformation theology, and early modern philosophy as reflected in selected writings by Machiavelli, Luther, Montaigne, Shakespeare, Descartes, Hobbes, and some of their contemporaries.

HWT 251. Pre-Enlightenment and Enlightenment Thought. 3 hr.; 3 cr :

Prereq.: By permission only. The impact of the new science and philosophy on Western thought as reflected in selected writings by Spinoza, Pascal, Locke, Leibniz, Swift, Voltaire, Rousseau, Hume, and some of their contemporaries.

HWF 301. Nineteenth-Century Thought. 3 hr.; 3 cr :

Prereq.: By permission only. Nineteenth-century philosophy, theology, and literature as reflected in selected writings by Kant, Goethe, Hegel, Flaubert, Marx, Kierkegaard, Tolstoy, Dostoevsky, Nietzsche, and some of their contemporaries.

HWF 351. Senior Seminar. 3 hr.; 3 cr :

Prereq.: By permission only. Discussion of selected works from the Western Tradition. Works covered will range from ancient times to the present, and will include literature, philosophy, history, religion, etc. May be repeated for credit provided the subject is not the same.

Note: English 95 or its equivalent is the minimum corequisite for all courses (see pp. 38, 124). - offered *either* Fall or Spring; see *Class Schedule*
++ -*may be offered*; see *Class Schedule*

HWT 375, 376. Honors Seminar for College Teaching. 4 hr.; 4 cr :

Prereq.: Permission of Director. Students participate in teaching the Freshman Humanities Colloquium with two other instructors: A Queens College professor and a Townsend Hams High School teacher. Includes planning and conducting seminar sessions, holding conferences, commenting on students' papers, and attending a weekly workshop.

INTERDISCIPLINARY AND SPECIAL STUDIES

Assistant Provost: M. Hrach Zadoian Office: Kiely 707, 997-5782

The Interdisciplinary Major

The interdisciplinary major is designed for students who wish to develop their own concentration area in a subject not covered by any one existing department or program. Students who are interested in an interdisciplinary major should confer with the Director for Interdisciplinary Studies, who will provide guidance in developing an appropriate proposal for approval. The proposed concentration must have a distinct, coherent interdisciplinary theme and the course work required for it should provide substantial expertise in that theme. Since an interdisciplinary concentration requires competence in more than one discipline, the major involves a minimum of 36 credits and may require the approval of several departments.

Interested students should seek guidance at the Interdisciplinary Office, Kiely 707. ACE students interested in an interdisciplinary major should see Mr. Robert Weller, the Director of ACE, Kiely 134.

Courses and Special Programs

Interdisciplinary and Special Studies

Each semester the program offers a great variety of courses in a wide range of subjects. These courses are staffed by teachers from the various departments, but offer the advantages of smaller class sections, flexible scheduling, and curricular experimentation. *The courses, except when otherwise specified, are open to every student in good standing at the College, freshman through senior.*

Tutorials

A tutorial enables a motivated, advanced student to undertake independent study of a topic under the direct supervision of a faculty member. To take a tutorial a student *must first* find a faculty member willing to supervise and grade the work, and must obtain the faculty member's approval of the topic and of the work to be performed.

A tutorial card can be obtained at the Interdisciplinary & Special Studies Office, Kiely 707. The card must be completed, signed by the student, the supervising faculty member, and the Chair of the respective department. The card is then returned to the Interdisciplinary & Special Studies Office, which issues the priority permission card needed to *register*. Students must register for a tutorial during the scheduled registration period in order to obtain credit.

Tutorials cannot duplicate the topic of an existing course. No more than one tutorial can be taken in a given semester. No more than 12 credits in tutorials can be accepted toward the B.A. degree.

Courses

INTERDISCIPLINARY AND SPECIAL STUDIES

Special Studies 94. Art of Puerto Rico and the Hispanic Caribbean. 3 hr.; 3 cr :

This course is a survey in the visual arts of the Greater Antilles. It will cover the development of the arts in Puerto Rico, Dominican Republic, and Cuba from Pre-Columbian times to the twentieth century. We will trace and define Caribbean art through the use of slides, films, and museum visits.

SPST 195. Interdisciplinary and Special Studies. (

formerly Special Studies 95) 195.1-195.4 - 1-4 hr.; 1-4 cr.

Students may earn degree credit for work done in colloquia, seminars, and special topics. The courses include subject material not found in approved departmental curricula. Students may enroll in SPST 195 more than once provided the topics are different.

SPST 196. Tutorial. (formerly Tutorials 96) 196.1-196.4 - 1-4 hr.; 1-4 cr.

Students may arrange to earn degree credit for work done with a faculty member in an area of joint interest by means of a mutually agreed-upon educational contract for one semester. Tutorials ~~earn~~ earn 1, 2, 3, or 4 course credits. Students may enroll in tutorials more than once, but no more than one per semester.

SPST 198. Independent Study for the CUNY B.A.

(formerly Independent Work 98) 198.1-198.16 - 1-16 hr.; 1-16 cr.

Prereq.: Acceptance into the CUNY B.A. Program. Students enrolled in the CUNY B.A. Program may earn a flexible number of independent work credits. Consult the CUNY B.A. ~~Bulletin~~ Bulletin.

SPST 295. Interdisciplinary and Special Studies. 295.1-295.4-1-4 hr.; 1-4 cr.

Prereq.: Sophomore standing. An intermediate level, variable title, experimental or interdisciplinary course. The course may be repeated for credit.

SPST 296. Tutorial. 296.1-296.4 - 1-4 hr.; 1-4 cr. Prereq.: Junior standing.

For tutorials to be given at an intermediate level. See SPST 196.

SPST 395. Interdisciplinary and Special Studies. 395.1-395.4 - 1-4 hr.; 1-4 cr.

Prereq.: Junior standing. An advanced level, variable title, experimental or interdisciplinary course.

SPST 396. Tutorial. 396.1-396.4 - 1-4 hr.; 1-4 cr.

Prereq.: Senior standing. A tutorial on a topic at an advanced level of study, comparable to a Senior seminar. See SPST 196.

SPST 399. Honors Project. (formerly Honors Project 399) 399.1-399.6 - 1-6 hr.; 1-6 cr.

Prereq.: Upper junior standing and grade point average of 3.3 or above.

Student undertakes an advanced project under the supervision of a full-time member of the faculty. The total number of credits which can be applied to the baccalaureate degree under 399 is twelve. Exceptions to the credit limits may be granted to students whose grade-point average is 3.6 or above upon approval of the department Chair and the director of Interdisciplinary and Special Studies. Interested students should consult Assistant Provost Hratch Zadoian, Kiely 711.

ETHNIC STUDIES**310. Ethnic Studies. Six Ethnic Groups in New York City. 3 hr.; 3 cr :**

Prereq.: Junior standing. This course focuses on the sociological, historical, and cultural perspectives of six major ethnic groups in New York City: Afro-Americans, Greek-Americans, Irish-Americans, Italian-Americans, Jewish-Americans, and Puerto Rican-Americans. Factors of migration and immigration will be explored for each group. The course is open to all students with an interest in the social sciences and is strongly recommended for education majors specializing in bilingual/multicultural education.

Interdisciplinary Studies - Minors

The following units of "Studies" are designed for students who wish to minor in one of these Ethnic/Interdisciplinary Studies. Students must also complete a major in order to graduate from Queens College.

IRISH STUDIES

Director: Catherine McKenna

Administrative Committee: Bird, Mahon, McKenna, Waters

Office: Jefferson 306, 997-4526

The general aim of Irish Studies is that of any of the humane disciplines - literature, history, philosophy - that constitute the curriculum of a first-rank liberal arts college. In particular, it is aimed at an understanding of the historical and cultural development of the Irish people, their language, literature, social institutions; the significance of their contribution - intellectually, spiritually, artistically - to Western civilization; their experience as one of the first post-colonial nations; their experience as an emigrant diaspora. As such, Irish Studies is intended for all students interested in the study of a rich and varied culture, and is of special interest to those students of Irish antecedents, for whom it will provide a new or renewed awareness of their place - historical and contemporary - in a pluralistic society. For students majoring in English, comparative literature, communication arts and sciences, or political science, a wide selection of courses in Irish Studies may provide a logical corollary to their principal interest. Students interested in an interdisciplinary major in Irish Studies (through Interdisciplinary and Special Studies) should consult with the Director of Interdisciplinary and Special Studies and the Director of Irish Studies.

The Minor (18 credits)

A student may meet the requirements for graduation as an Irish Studies minor by maintaining an index of 2.5 in the following courses:

	<i>credits</i>
1 English 366. Introduction to Irish Literature	3
2 History 230. Ireland from the Norman Conquest to 1690	3
History 231. Ireland since 1690	3
3 <i>One course from among the following:</i>	3
English 365. Celtic Myth and Literature	
English 367. Modern Irish Literature	
English 368. Irish Writers	
4 <i>Two free choices from among the following:</i>	6
	<i>credits</i>
Irish Studies 101,102, 103, 105, 390	
English 265. Introduction to Folklore	
*English 365. Celtic Myth and Literature	
*English 367. Modern Irish Literature	
*English 368. Irish Writers	

18

In special circumstances, and with the approval of the Director, an appropriate department or Special Studies course not listed above may be offered in fulfillment of requirement 4.

Courses

101. Elementary Irish 1. 3 hr.; 3 cr :

An introduction to modern Irish. The course concentrates on the basic patterns of the spoken language and provides the student with the vocabulary and grammatical forms commonly used in daily conversation.

102. Elementary Irish 11. 3 hr.; 3 cr :

Prereq.: Irish Studies 101 or permission of instructor. A continuation of Elementary Irish I.

103. The Irish in America. 3 hr.; 3 cr :

A chronological survey of the Irish experience in America from the Colonial period to the present. The course examines the social, political, religious, and cultural interaction of the Irish with established American society and with other emigrant groups who had preceded and followed them. Special emphasis is given to the role of women in American-Irish society, and to the part played by Irish immigrants in labor, politics, religion, and education.

105. Early Christian Ireland, 450-800. 3 hr.; 3 cr :

A study of the development of Ireland's Christianized civilization from the origins in the fifth century to the Carolingian Renaissance.

390. Seminar in Irish Studies. Hr. to be arranged; 3 cr :

Prereq.: Upper junior or senior standing. Advanced study of special problems to be taken on a tutorial basis during upper junior or senior year.

*If not offered in fulfillment of requirement 3.

ITALIAN-AMERICAN STUDIES

Director: Richard Gambino

Office: Jefferson 306, 997-4527

Italian-American Studies at Queens College was founded in 1973 out of a conviction that the ethnic experience in America is a key to a full understanding of American culture and history.

The purpose of Italian-American Studies is to offer courses on all dimensions of Italian participation in American life, both historical and contemporary. The approach is an interdisciplinary one, and draws upon the fields of history, political science, psychology, literature, sociology, art, and music. Within the curriculum, stress is placed not only on developing an understanding of Italian-Americans and their culture, but also on the relations of Italian-Americans to other groups - and, in fact, to all elements and facets of American society.

In addition to the courses designated specifically as offerings of Italian-American Studies, students are encouraged to take certain departmental courses related to Italian and Italian-American culture. Students are urged to consult lists of Italian-American offerings, which are distributed on campus each semester, or call Italian-American Studies.

The Minor

The Italian-American Studies minor consists of 21 credits of coursework plus a foreign language requirement. The foreign language requirement consists of Italian 111, 112, and 113, or the equivalent level of language proficiency in Italian. Students electing a minor in Italian-American Studies will receive certificates attesting to their successful completion of the prescribed curriculum upon their graduation from Queens College.

Core Curriculum (21 cr.)

Group I (12 cr.)

Twelve credits from among the following courses:

IAS 100. Italian-Americans: An Interpretation of a People. 3 hr.; 3 cr :

IAS 101. The Heritage of Italy's South. 3 hr.; 3 cr :

IAS 202. The Italian-American Experience Through Literature. 3 hr.; 3 cr :

and

IAS 300. Seminar in Italian-American Studies. 3 hr.; 3 cr :

or

Ethnic Studies 310. Six Ethnic Groups in New York City. 3 hr.; 3 cr :

Group II (9 cr.)

Nine credits from among the following:

History 233. History of Modern Italy. 3 hr.; 3 cr :

History 276. The Immigrant in American History. 3 hr.; 3 cr :

Political Science 211. Urban Politics. 3 hr.; 3 cr :

Political Science 217. Voting Behavior in the American Polity. 3 hr.; 3 cr :

Political Science 219. Pressure Groups and the Political Process. 3 hr.; 3 cr :

Romance Languages.

All courses offered in Italian beyond Italian 113 and all courses in Italian literature or culture in translation.

Sociology 214. The Family. 3 hr.; 3 cr :

Courses

IAS 100. Italian-Americans: An Interpretation of a People. 3 hr.; 3 cr :

An interdisciplinary study of Italian-Americans, stressing the period from 1880 to the present, using works of history, sociology, and literature.

IAS 101. The Heritage of Italy's South. 3 hr.; 3 cr :

An analysis of the contribution that the Mezzogiorno has made to Italian culture since the mid-thirteenth century, and an exploration of the ways in which an awareness of such a contribution affects Italian-Americans' search for identity.

IAS 202. The Italian-American Experience Through Literature. 3 hr.; 3 cr :

Prereq.: English 120 or completion of LASAR Humanities I, Tier 1. Reading, analysis, and discussion of selected works, mostly of the twentieth century.

IAS 300. Seminar in Italian-American Studies. 3 hr.; 3 cr :

Prereq.: Junior standing and two courses from Italian-American Studies. An interdisciplinary course focusing on topics that vary from semester to semester.

Note: English 95 or its equivalent is the minimum corequisite for all courses (see pp. 38, 124). -
offered *either* Fall or Spring; see *Class Schedule*
++-*may be offered*; see *Class Schedule*

PUERTO RICAN STUDIES

Program Director and Undergraduate Adviser: Jesse M. Vazquez

Instructors: Cintron, Rodriguez, Moncada, Nazario, Romero, Torre, Vazquez

Office: Kissena 355, 520-7519

Puerto Rican Studies at Queens College offers a variety of pertinent and challenging courses in the social science spectrum. Emphasizing interdisciplinary approaches to learning, these courses focus on the Puerto Rican experience as it has developed in the United States as well as on the island of Puerto Rico. Special attention is paid to the historical and cultural developments that have shaped this experience.

Courses dealing with the psychological, political, and cultural aspects of the Puerto Rican and Latino experience broaden the perspectives of the student who plans to teach or enter the "helping" (social work, psychology, counseling, and legal) professions in New York City, which has a population of over one million Puerto Ricans. Puerto Rican Studies is a participant in the coordinated program developed for students interested in bilingual/multicultural education. These courses strengthen ethnic identity and provide a knowledge of the Puerto Rican and Latino experience.

The Minor

The minor in Puerto Rican Studies consists of 24 credits. The minor concentration is composed of a required core (Group I), elective courses (Group II), and a special studies course (Group III). The student is required to select 9 credits from Group I, 12 credits from Group II, and 3 credits from Group III. In addition, the student must complete a minimum of three semesters in Spanish (through 113) or its equivalent.

Required Core Sequence

Group I (9 credits)

History 243. The History of *Puerto Rico*

Puerto Rican Studies 203. Puerto Rican and Hispanic Ethnic Identity

Spanish 210. Survey of the Literature of Puerto Rico

or

Special Studies 94. Art of Puerto Rico and the Hispanic Caribbean

Elective Core Sequence

Group II (12 credits)

Puerto Rican Studies 201. The Puerto Rican and Hispanic Child in the Urban Setting

Political Science 242. Puerto Rican Political and Social Movements

Puerto Rican Studies 220. Development of Puerto Rican Literature in the United States

History 119. The Spanish Caribbean in the Twentieth Century

Puerto Rican Studies 204. Caribbean Religions

Puerto Rican Studies 208. The Puerto Rican and the Latin American Woman

Sociology 261. Puerto Rican and Latin American Immigration

Ethnic Studies 310. Six Ethnic Groups in New York City

Special Studies

Group III (3 credits)

Puerto Rican Studies 202. Field Experience in the Bilingual Hispanic Setting

Puerto Rican Studies 380. Tutorial in Puerto Rican Studies

Bilingual/Multicultural Education Minor

Students interested in a specialization (minor) in Bilingual/Multicultural Education are required to take a sequence of courses in Bilingual Education (6 credits), Puerto Rican Studies (12 credits), and Linguistics (12 credits). This interdisciplinary concentration, together with an approved major in education, will prepare the student for teaching in bilingual/multicultural as well as monolingual classroom settings. Before registering for this specialized sequence of courses, the student must be approved by a designated adviser for Bilingual Education in the School of Education (Powder maker Hall 177).

EECE 604. Introduction to Bilingual/Multicultural Education

EECE 621. The Teaching of Reading in the Native Language
 EECE 649. Methods, Materials, and Evaluation in Bilingual Education
 History 119. The Spanish Caribbean in the Twentieth Century
 Puerto Rican Studies 201. The Puerto Rican and Hispanic Child in the Urban Setting
 Puerto Rican Studies 202. Field Experience in the Bilingual Hispanic Setting Plus 3 optional credits in Puerto Rican Studies
 Linguistics 101. Introduction to Language
 Linguistics 206. Bilingualism
 Linguistics 240. Introduction to English as a Second Language
 Linguistics 341. Methods and Materials of English as a Second Language
 These courses are not restricted to bilingual education minors, and are open to all students who expect to work with the bilingual community.

Courses

All of the following courses are offered through Puerto Rican Studies, Interdisciplinary and Special Studies, and other academic departments. The courses designated as Special Studies 94 and 97 are currently being offered through Interdisciplinary and Special Studies. Once approved, these courses will be offered through the Puerto Rican Studies or other academic department, and will be included in the minor concentration.

Puerto Rican Studies 201.

The Puerto Rican and Hispanic Child in the Urban Setting. 3 hr.; 3 cr :

This course will deal primarily with Puerto Rican and other Latino children in the urban community. Special attention will be given to the socio-psychological dilemma of the child growing up between two cultures. Our approach is interdisciplinary in that we will focus upon psychological, anthropological, and sociological events that deeply affect the development and experience of Hispanic children in the urban metropolis.

Puerto Rican Studies 202.

Field Experience in the Bilingual Hispanic Setting. 2 hr., 3 hr. fieldwork; 3 cr :

Prereq.: Spanish I 13 or permission of instructor. This course gives the student an opportunity to participate in an assigned and supervised field experience in a bilingual school program or social service agency serving the Latino community. The student will be required to gather information, observe, and participate in one of the many agencies that seek to serve the Puerto Rican and Latino community. The student will examine the role of language and culture in the delivery of social and educational services.

Puerto Rican Studies 203. Puerto Rican and Hispanic Ethnic Identity. 3 hr.; 3 cr :

Explores Puerto Rican and Latino identity as a source of individual self-concept and group cohesion. Focuses on assimilation, acculturation, accommodation, autonomy, and the continuation and survival of culture and community in urban American society.

Puerto Rican Studies 204. Caribbean Religions. 3 hr.; 3 cr :

This course is designed to examine the various religious expressions in Cuba, Haiti, Santo Domingo, and Puerto Rico, with a focus on a comparative analysis of Santería, Espiritismo, Christianity, and Voodoo (African origins and Christian rituals). Puerto Rican Studies 208. The Puerto

Rican and the Latin American Woman. 3 hr.; 3 cr :

This course will study the roles, status, thoughts, and actions of the Latin American woman, from Pre-Columbian times to the twentieth century. It will focus on women's struggle to understand and reshape their role in a rapidly changing society, and will analyze the traditional sex roles prescribed by society, religion, and women's image in historical and contemporary society.

Puerto Rican Studies 220.

Development of Puerto Rican Literature in the United States. 3 hr.; 3 cr :

Prereq.: English 110 and Spanish 112. A survey of the contemporary Puerto Rican literary form that emerged as a unique expression of the experience of the writers in the United States. We will trace this development from the writers in exile to the first- and second-generation New York Puerto Rican writers of poetry, drama, novels, and the essay.

Political Science 242. Puerto Rican Political & Social Movements. 3 hr.; 3 cr :

A survey of political and social organizations and movements in Puerto Rico and the United States. This course seeks to analyze the sociopolitical conditions that gave rise to these various movements and groups and their impact on the evolution of the Puerto Rican people.

Puerto Rican Studies 380. Tutorial in Puerto Rican Studies. 3 hr.; 3 cr :

Prereq.: Junior/senior standing and permission of the director. The student will agree to work on a specific project under the guidance and supervision of a faculty member in Puerto Rican Studies.

BILINGUAL/MULTICULTURAL EDUCATION COURSES**EECE 604. Introduction to Bilingual/ Multicultural Education. 2 hr.; 2 cr :**

This course will trace the historical role bilingualism has played in the educational process, with particular emphasis on recent events in the United States. It will survey types of programs, models, and trends while exploring the sociological and political aspects of bilingual/multicultural education. Recommended for education majors.

EECE 621. The Teaching of Reading in the Native Language. 2 hr.; 2 cr :

This course will examine the methods and techniques in the selection of culturally relevant literature for the Hispanic child; survey existing native-language reading programs; develop an understanding of the current methodologies for teaching reading in the native language (Spanish) to Spanish-dominant and English-dominant children. This course will be taught in Spanish and is open to all students.

EECE 649. Methods, Materials, and Evaluation in Bilingual Education. 2 hr.; 2 cr :

This course will include an examination and assessment of resources currently available in bilingual/multicultural education, including audio-visual aids, printed materials, diagnostic tests, and evaluation instruments, and will utilize the cultural institutions in the Hispanic community as an educational resource. The course will also focus on the adaptation of other existing curricula to meet the needs of the bilingual Hispanic child. This course will be taught in Spanish and English and is open to all students.

Interdisciplinary Studies - Majors

JEWISH STUDIES

Director: Elishera Carlebach

Administrative Committee: Acker, Alteras, Carlebach, Goldsmith, Heilman, Schwarcz

Program Coordinator: Claire Semel

Office: Jefferson Hall 311,997-4530

The aim of Jewish Studies is to provide students with an understanding of the history, philosophy, religion, politics, sociology, anthropology, folklore, languages, and literature of the Jewish people. The program is intensive yet flexible, tailored to a wide range of interests normally included in the broad concept of Jewish studies. Students who wish to discuss particular curriculum problems should confer with the Director or any member of the Jewish Studies Committee:

Hebrew: J. Acker, A. Alcalay, R Doron

History: I. Alteras, E. Carlebach

Philosophy: E. Schwarcz

Sociology: S. Heilman

Yiddish: T. Bird, E. Goldsmith

Students should also consult the course offerings in Hebrew language and literature and in Yiddish language and literature (see Classical and Oriental Languages).

Jewish Studies majors or minors must file a concentration form with the program office at their earliest convenience.

The primary emphasis in the program is to offer majors or minors a basic core curriculum and then give them an opportunity to pursue intermediate and advanced courses in any two of four disciplinary areas subsumed by Jewish Studies.

1. Jewish Social and Intellectual History
2. The Anthropology, Sociology, Political Life, and Folklore of Jews
3. Jewish Religious and Philosophical Thought
4. Jewish Languages and Literatures

The Major

Majors in Jewish Studies are required to take 36 credits, distributed as follows:

- I. Core Curriculum - 9 cr.
- II. Area Studies Courses - 15 cr.
- III. Related Departmental Courses - 9 cr.
- IV. Senior Seminar - 3 cr.

They are also required to demonstrate competence in Hebrew or Yiddish through level 4. The language requirement is independent of the 36 credits required for the major.

I. Core Curriculum (9 cr.)

Students majoring in Jewish Studies will be required to take 3 core curriculum courses, two from Part A and one from Part B.

A. Jewish History

(Choose 2) (6 cr.)

History 114. History of the Jewish People I

History 115. History of the Jewish People II

History 116. History of the Jewish People III

B. Jewish Philosophy and Religion

(Choose 1) (3 cr.)

Philosophy 250. Plato and the Bible

Philosophy 251. Aristotle and Maimonides

Philosophy 252. Existentialism and Modern Jewish Philosophy

Religious Studies 103. Introduction to Judaism

II. Area Studies Courses (15 cr.)

In addition to the Core Curriculum as noted above, students will select five intermediate and advanced courses (at the 200 level or above) from any two of the four disciplinary areas. In so doing, the student will acquire a more intensive understanding of the major areas of research and scholarship within the field of Jewish Studies. Courses relevant to the areas are:

*1. Jewish Social & Intellectual History
History*

- 237. The Holocaust
- 249. The Jews in Greco-Roman Palestine
- 250. The Jews in the Medieval Islamic World
- 251. The Jews in Medieval Christendom
- 252. Medieval Spanish Jewry
- 253. Modern Western European Jewry
- 254. The Jews in Eastern Europe
- 255. History of Zionism
- 256. History of Modern Israel
- 257. American-Jewish History

*2. The Anthropology, Sociology, Political Life, and Folklore of Jews
Sociology*

- 241. The American-Jewish Community
- 242. Modern Israel: Sociological Aspects
- 348. Orthodox Jews in America

Music

- 144. Jewish Music.

*3. Jewish Religious and Philosophical Thought
Philosophy*

- 124. Philosophy of the Holocaust
- 250. Plato and the Bible
- 251. Aristotle and Maimonides.
- 252. Existentialism and Modern Jewish Philosophy.

Jewish Studies

- 202. Jewish Ethics
- 301. Jewish Mysticism and Hasidism

Religious Studies

- 103. Introduction to Judaism

4. Jewish Languages and Literatures Jewish Languages

Hebrew

- 150. Modern Hebrew Literature in Translation
- 160. Masterpieces of Hebrew Literature in Translation
- 190. Topics in Hebrew Culture and Literature in Translation
- 101. Elementary Hebrew I
- 102. Elementary Hebrew II
- 203. Intermediate Hebrew I
- 204. Intermediate Hebrew H
- 305. Advanced Modern Hebrew
- 307. Classical Hebrew
- 311. Hebrew Conversation
- 315. Hebrew Grammar and Composition
- 317. Skills and Art of Translation
- 335. Biblical Aramaic: Daniel and Ezra
- 390. Studies in Language, Literature, and Culture
- 361. History of the Hebrew Language
- 362. Hebrew Root Studies

Yiddish

- 140. History of the Yiddish Language
- 156. Jewish Thought and Modern Yiddish Literature
- 161. The Culture of East European Jewry
- 162. Jews in the Soviet Union, 1917 to the Present
- 167. The Development of Yiddish Culture in the United States
- 172. Hasidism and Jewish Mysticism
- 101. Elementary Yiddish I
- 102. Elementary Yiddish II

- 203. Intermediate Yiddish I
- 204. Intermediate Yiddish II
- 210. Intermediate Conversational Yiddish
- 305. Advanced Yiddish
- 390. Studies in Yiddish Language, Literature, and Culture

Jewish Literatures

Hebrew

- 321. Biblical Literature I: Genesis
- 322. Biblical Literature II: Exodus
- 323. Biblical Literature III: Leviticus/ Numbers
- 324. Biblical Literature IV: Deuteronomy
- 325. Biblical Literature V: Joshua & Judges
- 326. Biblical Literature VI: Samuel I and II
- 327. Biblical Literature VII: Kings I and II
- 328. Biblical Literature VIII: Major Prophets
- 329. Biblical Literature IX: Minor Prophets
- 330. Biblical Literature X: Megillot
- 331. Biblical Literature XI: Psalms
- 332. Biblical Literature XII: Wisdom Literature
- 340. Talmudic Literature I
- 341. Talmudic Literature II
- 345. Medieval Literature I
- 346. Medieval Literature II
- 351. Modern Israeli Drama
- 352. Modern Hebrew Poetry I
- 353. Modern Hebrew Poetry II
- 354. The Modern Hebrew Essay.
- 356. Contemporary Israeli Literature I
- 357. Contemporary Israeli Literature II
- 358. The Modern Hebrew Press

Yiddish

- 150. An Introduction to Yiddish Literature
- 330. Yiddish Literature from the Beginnings to Mendele
- 331. Mendele and His Contemporaries
- 332. Peretz, Sholem Aleichem, and Their Contemporaries
- 336. Soviet Yiddish Literature
- 338. Polish and Rumanian Yiddish Literature, 1917 to Present
- 340. American Yiddish Literature, 1880-1915
- 341. American Yiddish Literature, 1915 to the Present
- 345. Yiddish Literature in Israel since World War II
- 154. Yiddish Drama
- 352. The Yiddish Theatre in Eastern Europe
- 353. The Yiddish Theatre in the United States
- 356. The Yiddish Novel in the Twentieth Century
- 357. Yiddish Poetry in the Twentieth Century
- 176. The Literature of the Holocaust
- 174. The East Side in American Literature in Yiddish and in English
- 355. Yiddish Historical Fiction and Drama

III. Related Departmental Courses (9 cr.)

In the area where the student has taken the greatest number of intermediate and advanced Jewish Studies courses, he or she must take 9 additional credits on the 200-course level or above. The courses shall be chosen in consultation with a Jewish Studies adviser. The related departments for each area are as follows:

1. History Department
2. Anthropology or Sociology Department
3. Philosophy or Religious Studies
4. Hebrew, Yiddish, Comparative Literature, or English. (Students concentrating in Jewish literatures must study the literature of two different languages.)

IV. Senior Seminar (3 cr.)**Jewish Studies 365. Senior Seminar. 3 hr.; 3 cr.**

Prereq.: 27 credits in the major; senior standing.

The Minor (21 cr.)**I. Core Curriculum (9 cr.)**

Students will choose two courses from the Core Curriculum Part A, and one course from the Core Curriculum Part B.

II. Intermediate and Advanced Courses (12 cr.)

Students will choose four courses from the Area Studies course list, with at least two courses in one area.

III. Language Requirement

Students are required to demonstrate competence in Hebrew or Yiddish through level 3.

Foreign Study: Students intending to major or minor in Jewish Studies are encouraged to study in Israel. Students who wish to participate in a study abroad program as a part of the curriculum should contact the program office in Jefferson Hall 311 for advice.

Courses**202. Jewish Ethics. 3 hr.; 3 cr.**

Prereq.: Sophomore standing. A study of ethical principles in the Bible, Talmud, and post-Talmudic literature; rational prerequisites in ethical judgment; personal morality and social ethics; the ethics of justice and the ethics of love, with special attention to Jewish ethical teachings on racism, capital punishment, divorce, birth control, abortion, and euthanasia.

301. Jewish Mysticism and Hasidism. 3 hr.; 3 cr :

Prereq.: Junior standing. A survey of Jewish mystical thought from the early Rabbinic period (Merkavah mysticism) through the classical period of the *Zohar* and Lurianic *Kabbalah* to Hasidism and neo-Hasidic movements in our day.

365. Senior Seminar. 3 hr.; 3 cr :

Prereq.: 27 credits in the major, senior standing. Intensive study in a selected field of Jewish Studies. The subject to be studied will vary

Note: English 95 or its equivalent is the minimum corequisite for all courses (see pp. 38, 124). +- offered *either* Fall or Spring; see *Class Schedule*

++-may be offered; see *Class Schedule*

from semester to semester and will be announced in advance. As part of the seminar, students will undertake and complete an individual research problem in their field of special interest under the direction of an instructor in their area of Jewish concentration.

LABOR STUDIES

Director: Raymond S. Franklin

Coordinating Committee: Franklin, Mantsios, Rodberg, Savage

Office: T-3,997-3070

The major in Labor Studies is designed to provide students with a curriculum that focuses on the world of work. The purpose of the program is to give students a rigorous framework for analysis of the labor force, workers' organizational affiliations, and the dynamics of labor-management relations. Drawing on the various social science disciplines, the Labor Studies major offers an interdisciplinary approach to the study of labor and related subjects. The curriculum also combines a core sequence of courses with an opportunity to develop a specialization within a particular discipline.

A degree in Labor Studies prepares students to pursue careers in labor relations, including employment with labor organizations and private industry, as well as with federal, state, and local government agencies. A Labor Studies major also provides excellent preparation for law school or graduate study.

Non majors may enroll in Labor Studies courses to supplement their own field of concentration, e.g., economics, sociology, political science, urban studies, history.

The Labor Studies major consists of 36 credits: 18 credits in a core sequence, 9 in a specialization, and 9 in approved electives. Courses in the core sequence provide a foundation for all Labor Studies majors. These courses are aimed at developing an understanding of the following: the history of the labor movement; the impact of technology on labor and industry; changes in the labor process; labor relations and their economic context; shifts in the composition of the labor force; the social and political role of labor unions; the legal framework of labor management relations; theories of work, the workplace, and the labor movement.

In addition to the required core sequence, students must complete 9 credits within a specialization. Presently there are two specialization tracks to choose from: one in economics, the other in sociology. Each track provides students with an opportunity to develop their analytical skills from the perspective of the academic discipline selected. The specialization tracks offer an introduction to the discipline, a background in quantitative analysis, and an opportunity to study an aspect of labor within a particular discipline.

Students complete their Labor Studies major by selecting three labor-related courses from a list of approved electives.

The Major

Core Courses (required of all majors)

Labor Studies 101. Introduction to Labor Studies

Economics 101. Introductory Economics I

Labor Studies 240. Labor Unions and Industrial Relations

History 274. American Labor History from World War I to the Present

Labor Studies 310. Labor Law: An Institutional Approach

Labor Studies 320. Perspectives on the Labor Movement

Track A (Students take either Track A or Track B)

Economics 102. Introductory Economics II

Economics 249. Statistics as Applied to Economics

and one of the following:

Economics 213. Economics of the Labor Force

or

Economics 214. Economics of Organized Labor

Track B

Sociology 101. General Introduction to Sociology

Sociology 205. Social Statistics I

and one of the following:

Sociology 228. Industrial Sociology

or

Sociology 224. Organizational Sociology

Electives

Students will complete 9 credits from the following courses:

History 273. American Labor History to World War I

History 275. Business in American Life
Psychology 226. Psychology in Business and Industry
Political Science 225. Politics and Administration of Industrial Regulation
Economics 240. Economics of Business Organization
and one of the following:
Sociology 219. Class, Power, and Inequality
Economics 219. Economics of Class, Race, and Sex
Urban Studies 101. Urban Issues: Poverty and Affluence
Political Science 222. Power in America.

Students may also fulfill the elective requirement by completing certain courses in the alternate track of core requirements, i.e., Economics 213,214, Sociology 224, 228, if not taken to fulfill core requirements.

The Minor

Students who minor in Labor Studies will take a minimum of 18 credits in Labor Studies: Introduction to Labor Studies (LS 101), Labor Unions and Industrial Relations (LS 240), Theories of Labor and the Labor Movement (LS 320), and three other courses listed as either core or elective requirements for the Labor Studies major.

Labor Studies Courses

101. Introduction to Labor Studies. 3 hr.; 3 cr.

The course will introduce students to the field of labor studies. It will cover such topics as: the social organization of work, labor as a factor of production, changes in the composition of the labor force, labor segmentation, and the impact of technology on work and workers.

240. Labor Unions and Industrial Relations. 3 hr.; 3 cr :

Prereq.: LS 101. This course will examine labor-management relations in the contemporary U.S., considering both the internal dynamics of management, and the structure, government, and goals of labor unions. Particular emphasis will be given to comparing and contrasting labor relations in unionized and non-unionized workplaces, and in different sectors of the economy (manufacturing, services, and government). Topics to be covered include: the development of management's industrial relations policies, the impact of the changing international economy on labor, the dynamics of collective bargaining, decision making processes within unions, and problems of union democracy.

310. Labor Law: An Institutional Approach. 3 hr.; 3 cr :

Prereq.: LS240. The course will examine primary (case) and secondary (commentary) materials on the legislative, administrative, and contextual aspects of labor law, particularly as they pertain to collective bargaining and union organization. The course will be divided into three parts:

- 1) U.S. Law and Labor Relations (including an examination of institutional and sociological aspects of law, a review of Constitutional and common law basis for labor law, a survey of the history and current status of labor law and labor relations, and a comparative overview of labor law and labor relations);
- 2) The legislative, judicial, and administrative aspects of labor law, including issues concerning jurisdiction, procedure, and the interpretation of contracts;
- 3) Current problems in labor law, with an emphasis on practical application.

320. Perspectives on the Labor Movement. 3 hr.; 3 cr.

Prereq.: LS 240. This course will examine theories of industrial relations systems; the philosophy and political perspectives of labor unions; and the current discussion concerning the state and future of the labor movement. Issues examined will include the meaning of work, its changing nature, and the consequent implications for industrial relations and the trade unions.

LATIN AMERICAN AREA STUDIES

*Administrative Committee Chair and
Undergraduate Adviser: George Priestly
Office: Kissena Hall 310, 520-7334*

This major is designed to provide a detailed knowledge of the development, institutions, language, and customs of Latin America. It is intended for two categories of students. Those who intend after graduation to go into careers such as inter-American relations, commerce, banking, or journalism will ordinarily take the Latin American Area Studies concentration. Those intending to go on to do graduate work should choose a joint major, combining Latin American area studies with economics, Romance languages, history, anthropology, political science, or education. Prospective majors should consult with the Chair or undergraduate adviser.

The courses listed below are offered as a means of acquainting the student with the physical environment of the area, its people, their languages and literature, contributions to civilization, educational and scientific institutions, arts and music, economic and political problems, history, and relations with one another and with other states. All courses are conducted in English, except those dealing with languages and literature.

Area Courses

Anthropology 106, 205, 206, 231,243, 397
Art 200, 244, 343
Economics 212, 383,391,392
History 105, 106, 242, 243, 392, 393, 394
Linguistics 191
Music 235
Political Science 236, 239, 243, 259, 291, 292
Sociology 239, 391,392
Portuguese 43, 111, 112, 205, 206, 223, 224, 381,382
Spanish 43,207, 235,312, 370, 371,372, 373

See appropriate department listing for description, credits, and scheduling information. Visiting professors make it possible to offer other courses not listed here. Subjects in Special Problems, offered by the different departments, and courses in Special Studies and tutorials for 1, 2, or 3 credits under the Honors Program, allow additional flexibility in arranging a varied program suitable to the needs and interests of the student.

The Major

Students majoring in Latin American area studies alone are required to take 30 credits from the area and language courses listed. The 30 credits must include Spanish 312 or 370, Economics 212 and 383, and Latin American Area Studies 201 and 381. Candidates whose native language is not Portuguese must pass Portuguese 111 and 112 with not less than a B, or take and pass a reading proficiency examination.

Students majoring in Latin American areas studies, either alone or in combination with another department, are required to take Latin American Area Studies 381 in their senior year or, with permission, in their junior year.

Joint Majors

Latin American Area Studies and Anthropology

Students taking the joint major in Latin American area studies and anthropology are required to take Anthropology 101, plus 15 additional credits chosen from among Anthropology 201,205, 206, 231, 240, 311. They must also take 24 credits in other area and language courses, including Latin American Area Studies 381.

Latin American Area Studies and Economics

Students taking the joint major in Latin American area studies and economics must take at least 24 credits in the Economics Department, which must include Economics 101,102, 205,206, 212, and 249. Transfer students must take at least 12 hours of economics at Queens College. All students must have at least a C average for the economics courses taken at Queens and, in addition, a C in

each of the required courses listed above. All majors must see a department adviser before enrolling in courses beyond Economics 101 and 102.

In addition, 24 credits must be taken from any other area courses and language courses, and must include Spanish 235 and Latin American Area Studies 381. Candidates whose native language is not Portuguese must pass Portuguese 111 and 112 with not less than a B, or take a reading proficiency examination.

Latin American Area Studies and Education

Students may combine the major in Latin American area studies with courses in education in preparation for teaching Spanish, Portuguese, or the social sciences.

Present New York State requirements for certification in the teaching of Spanish and Portuguese are 24 credits of study at the college level in these languages and 20 credits in education. For certification in the teaching of the social sciences, 48 credit hours are required: 12 in history, including at least 6 in the history of the United States; 24 in social sciences, specifically in Latin American area studies; and 12 credits of free electives in social sciences. In addition, 20 credits in education are required.

Latin American Area Studies and History

Students taking the joint major in Latin American area studies and history must take 24 credits in the History Department. At least 9 of these credits must be from History 105, 106, 242, and 243. In addition, 24 credits must be taken from any other area courses and language courses, and must include Latin American Area Studies 381. Candidates whose native language is not Portuguese must pass Portuguese 111 and 112 with not less than a B, or take a reading proficiency examination.

Latin American Area Studies and Political Science

Students taking a joint major in Latin American area studies and political science must take 24 credits in the Political Science Department. The specific course requirements are three of the following: Political Science 100, 101, 103, 104, and 105; 239 and 259; and a seminar. They must also take 24 credits in other area and language courses and must include Latin American Area Studies 381. Candidates whose native language is not Portuguese must pass Portuguese 111 and 112 with not less than a B, or take a reading proficiency examination.

Latin American Area Studies and Romance Languages

Students taking the joint major in Latin American area studies and Romance languages must take 24 credits from among the area courses listed and 24 elective credits in Spanish and Portuguese, including Spanish 312, 370, 371, 372, 373, and Latin American Area Studies 381. Candidates whose native language is not Portuguese must pass Portuguese 111 and 112 with not less than a B, or take a reading proficiency examination.

Seminars and Special Courses

201. Contemporary Society and Film in Latin America. 3 hr.; 3 cr :

Prereq. or coreq.: English 120 and sophomore standing. A critical examination of both contemporary Latin American society and film. Organized in five thematic blocks, the course challenges the conventional wisdom about modern Latin America and critically assesses four types of film (commercial, educational, documentary, and propaganda) as texts about society. There are readings, written assignments, and class discussions. Fall, Spring

381. Latin American Seminar. 3 hr.; 3 cr :

Prereq.: Permission of the Committee Chair. Designed primarily for seniors majoring in Latin American area studies, but non majors with a special interest in such studies may be admitted. Consists of a survey and synthesis of the principal problems of Latin America, stressing the broader aspects and relationships of the materials previously studied. The purpose of the course is to correlate and to bring into final perspective the materials previously studied in the Latin American concentration. It is under the general supervision of the administrative committee. Each student is required to prepare and present a research paper. Fall, Spring

391. Latin American Special Problems. Hr. to be arranged; 3 cr :

Prereq.: Permission of the Committee Chair. Makes provision for intense study in a special field chosen by the student with approval of the Chair of Latin American Area Studies. Open only to upper juniors and seniors whose previous work indicates special ability to profit from directed, individual work done outside the class. Fall, Spring

Note: English 95 or its equivalent is the minimum corequisite for all courses (see pp. 38, 124). offered *either* Fall or Spring; see *Class Schedule* *may be* offered; see *Class Schedule*

JOURNALISM

Director: Elaine Maimon

Co-Director: Joann Lee

Advisory Committee: Bittman, Dickstein, Dohan, Liebman, Maimon, Morton, Picken, Yavetz

This 21-credit journalism minor is a complement to existing offerings on the media in the Departments of CAS, English, and Sociology. Those attracted to journalism will find that this minor enhances basic reporting and writing skills, while providing a comprehensive overview of the news media as an industry.

The journalism minor links the academic major with career interests by teaching students to report the news from the perspective of their major. Those majoring in science, for instance, might take the journalism minor to explore possibilities for science reporting, while economics majors will learn to write clearly for the general public about complicated monetary issues.

The five news courses in this minor are different from other courses at Queens College in two important ways:

- 1) they emphasize the news: understanding, reporting, editing, and broadcasting;
- 2) they are taught by individuals whose primary experience is in the news media. Such individuals will function as journalists-in-residence, bringing expertise and career contacts directly from the newsroom to the classroom.

Internship and Mentor Opportunities

Those admitted into the minor will be eligible for internships which provide opportunities for students to learn first hand about the real world of journalism. Practicing journalists will also be invited to act as mentors for students interested in journalism careers.

A. Course Sequence

The requirements for the journalism minor are as follows:

Journalism 100. News Media

Journalism 101. News Reporting and Writing I

Journalism 200. News Reporting and Writing II

Journalism 201. News Editing

Journalism 202. Broadcast Journalism

B. Two electives (6 credits)

selected from the following:

CAS 102. Introduction to Media

CAS 109. Freedom of Speech

CAS 244. Media Analysis and Criticism

CAS 266. Electronic Print and the Publishing Industry

CAS 345. Media Information Systems

English 220. Introduction to Editing

English 225. Newspaper and Article Writing

English 303. Essay Workshop

Sociology 218. Mass Communication and Popular Culture

The first course in the sequence, Journalism 100, is a gateway course open to all students. It is designed to sharpen students' abilities to understand not only news events, but issues of ethics and coverage that shape the news environment. The remaining four core courses are designed for students with intensive interest in learning about the world of reporting and writing. Students admitted into these courses will cover stories in the field and write to deadline. They will meet with news professionals and visit news organizations. They will learn basic skills in copy editing and broadcast news writing.

Courses

100. News Media. 3 hr.; 3 cr :

Prereq.: English 95. This course will provide an overview of the industry, including a discussion of ethics, the role of journalism in society, an exploration of the role of business in journalism, and an analysis of the differences among various branches of the media. Students will also be introduced to basic reporting skills.

101. News Reporting and Writing 1.3 hr.; 3 cr.

Prereq.: B or better in Journalism 100 or permission of Director. Prereq. or coreq.: English 110. The purpose of this course is to teach the fundamentals of news reporting and writing. Will feature visits to new organizations and guest speakers (reporters and news management), providing firsthand accounts of their experiences as professionals in the world of journalism.

200. News Reporting and Writing 11. 3 hr.; 3 cr :

Prereq.: Journalism 101. Continuation of the development of reporting and writing skills introduced in News Reporting and Writing I. Course includes deadline writing, field reporting, rewriting from wires, and guest lectures by seasoned professionals.

201. News Editing. 3 hr.; 3 cr :

Prereq.: Journalism 101. The course will cover three specific aspects of the editing process: copyediting skills, news judgment, and verification of information. On the skills level, students will be taught how to write headlines, to detect and correct errors, and to do simple line editing.

202. Broadcast Journalism. 3 hr.; 3 cr :

Prereq.: Journalism 101. The course focuses on the anatomy of television and radio news stories; writing, reporting, and audio and video skills needed to put the story together; actual field coverage.

THE LIBRARY

Acting Chief Librarian: Lois Schneider

Professor: Kaufmann;

Associate Professors: Brady, Bryant, Cohen, PENCHANSKY, Simor, Taler;

Assistant Professors: Chiang, DeLuise, Macomber, Ponte, Rorick, Sanudo, Schneider, Swensen, Wall;

Instructors: Gomez, Li;

Lecturers: Katz, Ronnermann, Silverman;

Library Systems Head: Chitty;

Department Secretary: Friedman

A formal course in basic library research methods is offered by the library faculty each semester. Upon request, course related bibliographic instruction in a variety of discipline areas, both graduate and undergraduate, is also available for class groups. These include, where relevant, instruction in online and print access to multiple data bases. Orientation tours are also offered on a regular schedule, day and evening, during the first month of the semester. These are open to all library users. More specialized orientation is also offered to all new faculty annually.

The Benjamin S. Rosenthal Library, which holds the principal collections, also houses the Art Library and the Art Center at Queens College. The Music Library is located in the Music Building. (For additional information, see Facilities.)

See Special Sequences and Courses on page 202.

LIBRARY AND INFORMATION STUDIES

Chair and Director: Marianne A. Cooper

Graduate Adviser: Karen R Smith

Dept. Office: Rosenthal 254, 997-3790

Professor: Surprenant;

Associate Professors: Blake, Cooper, Tjoumas;

Assistant Professors: Kibirige, Smith;

Adjunct Professor: Cohen;

Department Secretary: Mathios

Library and Information Studies offers a graduate program leading to the degree of Master of Library Science (M.L.S.), as well as a post-master's certificate. The purpose of the program is the professional preparation of all types of librarians. Library science consists of a comprehensive, interdisciplinary body of knowledge concerning the creation, communication, location, evaluation, selection, acquisition, analysis, organization, preservation, management, dissemination, and use of information (data, concepts, ideas, images) and documents of all types (books, periodicals, microforms, sound recordings, video-recordings, films, manuscripts, pictures, machine-readable records) that may be used to store and convey this information. Its purpose is to serve the informational needs and interests (artistic, business, economic, educational, recreational, scientific, and technical) of individuals, groups, and institutions.

No undergraduate work in library science is required.

For further details consult the Graduate School of Library and Information Studies.

Courses

The following graduate courses are open to qualified undergraduate students with permission of the School and the Office of Graduate Studies and Research. Other courses may be made available.

701. Fundamentals of Library and Information

Science. 2 hr. plus conf. or supervised lab.; 3 cr :

Overview of the curriculum, historical introduction to librarianship and information science as a profession; professional literature; role and structure of libraries and information agencies in the conservation and dissemination of knowledge to various clientele; nature of research in library and information science. Fall, Spring

702. Information Sources and Service:

General. 2 hr. plus conf. or supervised lab.; 3 cr :

Study and application of general reference, bibliographic, and other information sources (manual and automated); techniques and procedures for serving the needs of various clientele; criteria for evaluating these sources and services and for developing appropriate collections. Fall, Spring

703. Introduction to Technical Services. 2 hr. plus supervised lab.; 3 cr :

The focus will be on the principles of providing access to items using the current cataloging code and the provision of subject access to items through subject headings' lists and classification systems. Study and practical exercises in all areas of technical services. Fall, Spring

Note: English 95 or its equivalent is the minimum corequisite for all courses (see pp. 38, 124). - offered *either* Fall or Spring; see *Class Schedule*

++ *-may be offered*; see *Class Schedule*

LINGUISTICS

Chair: Robert Vago

Graduate Adviser: Herbert W. Seliger

Professors: Cairns, Fiengo, Seliger, Stevens, Vago;

Associate Professor: Hall;

Assistant Professor: Klein;

Adjunct Assistant Professors: Behrens, Dowd;

Adjunct Lecturers: Bevington, Mandelbaum, Meltzer, Petrova, Stanchina;

Department Secretary: Lidowsky

Dept. Office: Kissena 347, 520-7161

The main goal of the Linguistics Department is to contribute to the basic, liberal education of Queens students; this holds for students who major in linguistics as well as for the numerous non majors who take linguistics courses. Courses are designed to demonstrate many of the subtle properties of various aspects of human language; we hope thereby to impart to the student a deeper appreciation and understanding of human nature.

Requirements for the Undergraduate Major in Linguistics

There are two major tracks, the General and Applied. Each major track requires 39 credits within the Linguistics Department. 24 credits are within the core courses taken by all majors, and 15 (including electives) are in the tracks. No course may be used for the Linguistics major with a grade lower than C-, and no Linguistics course may be used to satisfy a prerequisite with a grade lower than B-.

Introductory Core Courses:

Linguistics 101,102, 110, 120.

200-Level Core Courses

Linguistics 205,210, 220.

300-Level Core Course

Linguistics 306.

Applied Track

Linguistics 206, 240, 340.

General Track

Either Linguistics 310 or Linguistics 320,360.

Electives

Applied Linguistics students must elect two and General Linguistics students three Linguistics courses not otherwise required in the student's track. At least one of these must be a 300-level course.

Minor in Applied Linguistics

The student who wants to teach English as a second language may prepare as a teacher of English to speakers of other languages either on the elementary school level or on the secondary school and adult level. The student primarily interested in teaching on the elementary school level will be expected to complete the usual major in elementary education with a minor in Applied Linguistics, which must include the following courses:

Linguistics 102, 110, 120, 206, 220, 240, 341,342.

Note: Students who want a City license or State certificate to teach should seek advice concerning an appropriate distribution of courses.

Communication and Linguistics Joint Major

Students may see an adviser in either department.

Advisement

Students who want to major or minor in linguistics should see the department secretary for assignment to a permanent adviser who will help them complete their concentration form and answer any questions they might have about linguistics.

Courses

101. Introduction to Language. 3 hr.; 3 cr :

A survey of the scientific study of language: structure, language and society, language history, first and second language acquisition, and other related topics. Fall, Spring

102. Introduction to Linguistic Analysis. 3 hr.; 3 cr :

This course is designed to train students to develop and evaluate hypotheses about linguistic data, in the areas of phonology (sound structure of language), syntax (sentence structure), and morphology (word structure). Fall, Spring

110. Phonetics. 3 hr.; 3 cr :

Prereq.: Linguistics 101 or 102. Theories of speech production. Phonetic properties of language. Practice in hearing, producing, and transcribing speech sounds. Fall

116. The Structure of English Words. 3 hr.; 3 cr :

The structure of the English vocabulary; how words are formed; rules for determining the meaning, spelling, and pronunciation of English words. There are several writing assignments in this course. Fall, Spring

120. Syntax I. 3 hr.; 3 cr :

Prereq.: Linguistics 102 The syntactic structure of human language, Part I. Fall

191. Special Problems. 191.1 - 191.3:1-3 hr.; 1-3 cr.

Topics to be announced. May be repeated once for credit provided the topic is different.

203. Languages of the World. 3 hr.; 3 cr :

Prereq.: Linguistics 101 with an A- or better, or both Linguistics 101 and 102 with B- or better in both. A survey of selected aspects of several languages, drawn from different families. There are several writing assignments in this course. Fall

204. Writing Systems. 3 hr.; 3 cr :

Prereq.: Linguistics 101 with an A- or better, or both Linguistics 101 and 102 with B- or better in both. A survey of the histories and structures of writing systems employed by human languages. There are several writing assignments in this course. Spring

205. Sociolinguistics. 3 hr.; 3 cr :

Prereq.: Linguistics 101 with an A- or better, or both Linguistics 101 and 102 with B- or better in both. Introduction to the study of the relationship between language and society. Socio-cultural factors which influence language form, use, and history. There are several writing assignments in this course. Fall

206. Bilingualism. 3 hr.; 3 cr :

Prereq.: Linguistics 101 with an A- or better, or both Linguistics 101 and 102 with B- or better in both. Psychological and social aspects of bilingualism. There are several writing assignments in this course. Spring

210. Phonology. 3 hr.; 3 cr :

Prereq.: Linguistics 101 with an A- or better, or both Linguistics 101 and 102 with B- or better in both, plus Linguistics 110 with B- or better. The sound pattern of language, with implications for applied linguistics. Spring

220. Syntax II. 3 hr.; 3 cr :

Prereq.: Linguistics 101 with an A- or better, or both Linguistics 101 and 102 with B- or better in both, plus Linguistics 120 with B- or better. Syntactic structure of human language, Part II. Continuation of Linguistics 120. Spring

240. Introduction to Applied Linguistics. 3 hr.; 3 cr :

Prereq.: Linguistics 101 with an A or better, or both Linguistics 101 and 102 with B- or better in both. The application of linguistic science, primarily to teaching in language related areas. Includes a survey of research in linguistic, psychological, and sociolinguistic aspects of second language acquisition. There is a substantial writing commitment in this course. Spring

291. Special Problems. 291.1 -291.3: 1-3 hr.; 1-3 cr.

Prereq.: Sophomore standing. Topics to be announced. May be repeated once for credit provided the topic is different.

306. Semantics and Pragmatics. 3 hr.; 3 cr :

Prereq.: Linguistics 220. A survey of properties of meaning in language (semantics) and communication strategies people use when they talk to each other (pragmatics). There is a substantial writing commitment in this course. Spring

310. Phonological Theory. 3 hr.; 3 cr :

Prereq.: Linguistics 210 with *B-* or better. Theory of phonological analysis, with implications for applications. There is a substantial writing commitment in this course. Fall

320. Syntactic Theory. 3 hr.; 3 cr :

Prereq.: Linguistics 220 with *B-* or better. Theory of syntactic analysis. There is a substantial writing assignment in this course. Fall

331. Historical Linguistics. 3 hr.; 3 cr :

Prereq.: Linguistics 210 with *B-* or better. Principles of language change. There are several writing assignments in this course.

340. Methods and Materials of English as a Second Language. 3 hr.; 3 cr :

Prereq.: Linguistics 240 with *B-* or better. Methods and materials of teaching English to speakers of other languages. There are several writing assignments in this course. Fall

360. Issues in Linguistic Research. 3 hr.; 3 cr :

Prereq.: Linguistics 205,210, 220 and permission of the department. This course focuses on contemporary issues in any of the major branches of linguistics. This course may be repeated for credit when topics vary sufficiently. There is a substantial writing commitment in this course. Spring

391. Special Problems. 391.1 -391.3:1-3 hr.; 1-3 cr.

Prereq.: Junior or senior standing. Topics to be announced. May be repeated once for credit provided the topic is different.

392. Tutorial. 392.1-392.3-1-3 hr.; 1-3 cr.

Prereq.: Junior or senior standing. Intensive study in a special field, chosen by the student, under the direction of a member of the faculty, and resulting in a written report. Fall, Spring

MATHEMATICS

Chair: Jack Diamond

Assistant Chair for Evening Studies: Nick Metas

Deputy Chair: Steven Kahan

Graduate Adviser: Nick Metas

Dept. Office: Kiely 237, 997-5800

Einstein Professor: Sullivan; *Professors:* Braun, Dodziuk, Emerson, Freilich, Goldberg, Hechler, Hershenov, Kahane, Kramer, Kulkarni, Lieberman, Mendelson, Ralescu, Strait, Swick, Tischler, Weintraub, Weiss;

Associate Professors: Cowen, Diamond, Itzkowitz, Mailer, Mansfield, Roskes, Rothenberg, Sisser, Steinberg, Sultan;

Assistant Professors: Jiang, Metas;

Lecturers: Chen, Don, Eisen, Goodman, Hoffman, Kahan, Kleinman, Perry, Schwartz, Sims;

Laboratory Supervisor: End;

Department Secretaries: Green, Mills

The Department of Mathematics offers a program for those students who have any of the following interests or objectives: the teaching of mathematics in secondary schools; natural science and, in particular, mathematical physics; mathematical statistics or actuarial mathematics; college teaching; applied mathematics.

See pages 38-39 for information on basic skills requirements in mathematics.

The Major

Students majoring in mathematics may choose either the standard major, the applied mathematics option, or the mathematics education option. All students must have completed Mathematics 111 and 112 or the equivalent.

The Standard Major

All students majoring in mathematics must take courses 201 and 202 (or 207), 310 (or 208 or 320), and either 130 or 135 or 137. In addition, they must take Physics 121 and 122, or Physics 103 and 104, or Physics 145 and 146, or Physics 116, 117, and 118, or Economics 225 and 226. They must also take six of the courses among those listed below in Groups A and B, at least four of which must be chosen from Group A. Furthermore, at least one of the Group A courses must be either Mathematics 317, 333, 613, or 617.

Group A

Mathematics 230, 317, 320, 333, 337, 338, 345, 346, 395, 396, and all 600-level mathematics courses. Math 320 may not be counted as a Group A course if it has been used to satisfy the requirement above.

Group B

Mathematics 220, 223, 224, 241, 242, 245, 247, 248, 249, 217 (only for evening students who have not taken Math 223), 328, 518, 524.

All majors must file an approved concentration form by the end of the upper sophomore semester.

The six additional courses required for the major must be part of this concentration form.

With the permission of the Chair or the Assistant Chair for Evening Studies, courses in physics may be substituted for some of the courses in mathematics listed in Group A or B.

Evening students may take any 200-, 300-, 500-, or 600-level course without permission.

For majors centering on a specific career objective, it is recommended but not required that elective courses be chosen from those listed below:

High School Teaching: Mathematics 317 (or 617) and Mathematics 618 and 241, plus courses chosen from Mathematics 310, 333 (or 613), 518, 524, 619, 621, 626, 636. Courses in computer science and physics are strongly recommended.

College Teaching: Mathematics 310, 320, 337, 338 (or 333 or 613), 609, 612, 614, 618, 619, 621, 624, 625, 626, 628, 631, 634, 636.

Mathematical Physics: Mathematics 220, 223,224, 328, 333 (or 613), 345, 346, 614, 624, 628, and a number of physics courses beyond Physics 146.

Computer Science: Mathematics 220, 223,224, 230, 241,242, 245, 247, 248, 249, 310, 328,333 (or 613), 614, 621, 623,624, 625,626, 628,633,634, 636.

Statistics: Mathematics 241,242, 621, 624, 633, 635, and 614.

Actuarial Work: Mathematics 241,242, 247, 255,371,372,621,623,624, 625, 633; Accounting 101 and 102. (These courses will adequately prepare the student for the, first three actuarial examinations.)

The Applied Mathematics Option

All students electing the applied mathematics option must take: Mathematics 201 and 202 (or 207); Either Mathematics 130 or 135 or 137; Either Mathematics 241 or 611; Computer Science 101. (Computer Science 201 is also strongly recommended.) They must also take six courses from Group I, at least two of which must be numbered 300 or higher, and must follow one of the tracks in Group II below:

Group I

Mathematics 208,220, 223, 224, 230, 242, 245, 247, 248, 249, 310, 328,333, 613, 614, 619, 621,623,624, 625,628, 633,634, 635,636.

Except for students in the Operations Research track, students cannot use all three of the courses 247, 248, 249 in fulfilling the Group I requirement.

Group II

Biology track: Biology 101,102, and Chemistry 115, 116 (or equivalent).

Computer Science track: Any two courses chosen from Computer Science 103,301,341,641,645.

Economics track: Economics 101, 102, 225,226.

Physics track: Physics 145, 146 and two courses to be chosen from 213, 238, 311, 312, 611, 612, 615, and Mathematics 345,346.

Psychology track: Psychology 101, 107, 213, and two courses to be chosen from Psychology 311-315. Students should include either Mathematics 242 or Mathematics 633 among the courses chosen from Group I.

Operations Research track: Three additional courses from Group I, to make a total of nine; the nine courses must include Mathematics 247 (or 248), 623, and 633.

A series of courses making up a meaningful program in an area in which mathematics has significant application. This series must be approved by the student's faculty adviser.

Each student taking the applied mathematics option must visit the Mathematics Department office by the end of the upper sophomore year in order to be assigned a faculty adviser, who will meet with the student at least once a year to coordinate the student's program. *With the approval of this faculty adviser*, a student may 1) substitute one course from the Mathematics Department (numbered above 300) for one of the courses in Group I, and 2) replace one of the required courses in Group I with an additional course from Group II (in the same track) or with one of the following additional courses:

Biology track: Biology 250, Physics 213 *Economics track:* Economics 382

The Mathematics Education Option

All students electing the mathematics education option must take the following courses: Mathematics 130, 135, or 137; Mathematics 201; Mathematics 509 or 626; Mathematics 241 or 611; Mathematics 518; Mathematics 220; Computer Science 101 and 103; Secondary Education 361 and 371. Five additional courses chosen from Lists X and Y below, of which at least three must be from List X:

List X

Mathematics 310, 317 (or 617), 333 (or 613), 503,524, 609, 612, 618, 619, and 626 (if this course is not used to satisfy the requirement above). Mathematics 310 is recommended for those who expect to teach calculus. Also especially recommended are 317 (or 617), 333 (or 613), 618, and 619.

List Y

Mathematics 202, 223, 230, 242, 245, 247, 248,320, 385, and all 600-level courses. Mathematics 202 is usually required for entry into master's degree programs in mathematics.

A year of college physics is recommended.

Each student taking the mathematics education option should consult the Secondary Education Department of the School of Education about requirements for professional education courses leading to teacher certification. In addition, the student must visit Professor Elliott Mendelson of the Mathematics Department by the end of the upper sophomore year. Professor Mendelson will meet with the student at least once a year to coordinate the student's program.

Special Requirements

A student who has received two grades of D+ or lower in mathematics courses may not proceed with further courses in mathematics without written permission from the Chair or Assistant Chair for Evening Studies. A course in which a grade of D+ or lower is obtained cannot be used as one of the six elective courses without written permission from the Chair or Assistant Chair for Evening Studies.

It is recommended but not required that students who expect to work for higher degrees in mathematics secure as early as possible a reading knowledge of at least two of the following languages: French, German, and Russian.

The Minor

A minor in mathematics is offered to any student who completes at least 15 credits in a coherent program of mathematics courses. This shall include Mathematics 201 and at least four other courses numbered 130 or higher, at least two of which must be numbered 200 or higher, with the exception of Mathematics 371,372, and 385. Unless permission of the department is obtained, Mathematics 190 cannot be included as part of the minor. (Elementary Education students should consult that department for their special requirements for a minor in mathematics.) The student's program must be approved by the Mathematics Department; a concentration form must be filed with and approved by the department by the end of the student's lower junior semester. An overall index of at least 2.0 in courses numbered 130 or higher is required, and no course in which a grade below C- is obtained will be recognized as fulfilling the requirements for a minor.

Departmental Honors

Departmental honors are awarded to several students each Spring semester. In addition, the Eva and Jacob Paulson Memorial Award for distinction in mathematics is presented to one student; the Thomas A. Budne Memorial Award is given for special talent and creativity in mathematics; the Claire and Samuel Jacobs Award is given to the student who has achieved the best results in mastering calculus; the Samuel Jacobs Memorial Award is given for advancement in the study of calculus; the Doris and Paul Tang Memorial Award for distinction in probability and statistics is presented to one student; the Arthur Sard Memorial Award is presented to an outstanding student in mathematics; the Banesh Hoffman Memorial Award is presented to an outstanding senior in mathematics. To be eligible for these awards, a student must have a good index in mathematics and must have taken certain courses beyond the minimum requirements for a major. For further information, see the Chair.

Courses

All students planning to take a course in calculus should follow the results of the mathematics placement examination. Mathematics 12 and 14 do not prepare students for calculus; they are designed for non mathematics and nonscience students who want to take a course in mathematics appreciation or in probability and statistics.

In order to register for Mathematics 10,21,22, 100, 101,102, 103, 111,112, 118, or 201, a student must pass the appropriate prerequisite course with a grade of C- or better. This requirement will be enforced vigorously; it can be waived only upon approval of the department Chair.

4. Elementary Algebra. 4.24-4 hr.; 2 cr ; 4.25-5 hr.; 2 cr ; 4.26-6 hr.; 2 cr :

Prereq.: Placement examination or permission of department. (Students will register in 4-, 5-, or 6-hour sections, depending on their need for additional review and drill.) Topics include integer arithmetic, first degree equations and inequalities, rational expressions and equations, exponent rules, factoring, graphing straight lines, systems of linear equations, radical expressions, quadratic equations, verbal problems, basic concepts of plane geometry.

6. Intermediate Algebra. 6.13-3 hr.; 1 cr : 6.14-4 hr.; 1 cr :

Prereq.: Mathematics 4 or knowledge of elementary algebra and geometry. Topics include negative and fractional exponents, scientific notation, radical expressions and equations, slope, parallel and perpendicular lines, equations of a line, systems of linear equations, verbal problems. Successful completion of this course satisfies the basic skills requirement in mathematics and prepares the student for Mathematics 10, 12, 14, 21, and 76. Fall, Spring

Note: English 95 or its equivalent is the minimum corequisite for all courses (see pp. 38, 124).

+ '-offered *either* Fall or Spring; see *Class Schedule*

++ -may be offered; see *Class Schedule*

***10. Precalculus. 10.23-3hr.; 2 cr : 10.24-- 4 hr.; 2 cr :**

Prereq.: Mathematics 6 or knowledge of intermediate algebra. This course provides a background in those topics that are needed to be successful in calculus. Topics include graphing techniques, systems of equations, functions, logarithms, and trigonometry. Mathematics 10 will prepare students for Mathematics 21, 100, 101, or 111, depending on the individual's progress. Fall, Spring

***12. Ideas in Mathematics. 3 hr.; 3 cr :**

Prereq.: Mathematics 6 or two and one-half years of high school mathematics including intermediate algebra. A liberal arts mathematics course for non mathematics, nonscience majors. Will explore several areas of mathematics to give the student an appreciation of the significance of mathematics, both in terms of its applications and of its place in the history of civilization. Subject matter drawn from virtually the entire spectrum of modern mathematics, including such areas as calculus, probability, game theory, number theory, set theory, logic, non-Euclidean geometry, topology, and group theory. Not open to students who have received credit for Mathematics 201 (unless permission of the Chair is obtained). (This course may be counted toward the LASAR Scientific Methodology and Quantitative Reasoning requirement.) Fall, Spring

***14. Elementary Statistics. 3 hr.; 3 cr :**

Prereq.: Mathematics 6 or two and one-half years of high school mathematics including intermediate algebra. An introduction to mathematical probability and statistics for the general student. Not open to mathematics, physics, or chemistry majors, or to students receiving credit for Mathematics 241, 611, 621, or 633. (This course may be counted toward the LASAR Scientific Methodology and Quantitative Reasoning requirement.) Fall, Spring

19. Mathematics for Elementary School Teachers. 3 hr.; 3 cr :

Prereq.: Mathematics 6 or the equivalent. This course is designed to make prospective elementary school teachers aware of the beauty, meaning, and relevance of mathematics. Topics are taken from those areas of mathematics that are related to the elementary school curriculum, and emphasis is placed on clearing up common misunderstandings of mathematical concepts and results. (This course may be counted toward the LASAR Scientific Methodology and Quantitative Reasoning requirement.) Fall, Spring

***21. Calculus with Applications to the Social Sciences I. 3 hr.; 3 cr :**

Prereq.: Two and one-half years of high school mathematics including intermediate algebra, or Mathematics 6. The first part of a two-semester sequence (Mathematics 21 and 22) intended to introduce the fundamental ideas and techniques of the calculus to nonscience students. Special emphasis is given to applications. Credit is given for each course satisfactorily completed; a student need not take the entire sequence. Topics include functions and graphs; derivatives and differentiation techniques; the marginal concept in economics; optimization methods: compound interest; exponential and logarithmic functions. Not open to students who are taking or who have passed Mathematics 100, 101, or I 11. (This course may be counted toward the LASAR Scientific Methodology and Quantitative Reasoning requirement.) Fall, Spring

22. Calculus with Applications to the Social Sciences 11.3 hr.; 3 cr :

Prereq.: Mathematics 21. A continuation of Mathematics 21. Topics include integrals and integration techniques; applications of integrals to statistics via probability densities; consumer's and producer's surplus; elementary differential equations; functions of several variables; optimization methods; Lagrange multipliers; multiple integrals. Spring

76. Mathematics of Finance. 3 hr.; 3 cr :

Prereq.: Mathematics 6 or knowledge of intermediate algebra. Topics include simple interest, compound interest, mortgages, bonds, depreciation, annuities, and life insurance.

100. Calculus and Analytic Geometry**(with review of algebra and trigonometry). 5 hr. plus lab. insu.; 3 cr :**

Prereq.: Mathematics 6 or knowledge of intermediate algebra. Mathematics 100 covers the same calculus material as Mathematics 101 but at a slower pace. In addition, Mathematics 100 gives a brief review of intermediate algebra and trigonometry as it is needed in calculus. Not open to students who are taking or who have passed Mathematics 21, 101, or 111. Not offered 1993-95.

101. Calculus and Analytic Geometry. 3 hr.; 3 cr :

Prereq.: Three years of high school mathematics including intermediate algebra and trigonometry, or Mathematics 10. The first part of a three-semester sequence (Mathematics 101, 102, 103), covering the same material as Mathematics I 11 and 112. Credit is given for each course satisfactorily completed; a student need not take the entire sequence. Not open to students who are taking or who have passed Mathematics 21, 100, or 111. (This course may be counted toward the LASAR Scientific Methodology and Quantitative Reasoning requirement.) Fall, Spring

102. Calculus. 3 hr.; 3 cr :

Prereq.: Mathematics 100 or 101. A continuation of Mathematics 101. Not open to students who are taking or who have passed Mathematics 21 or 111 (unless permission of Chair is obtained). Fall, Spring

103. Calculus. 3 hr.; 3 cr :

Prereq.: Mathematics 102. Mathematics 111 does not satisfy the prerequisite. A continuation of Mathematics 102. Not open to students who are taking or who have passed Mathematics 21 or 112. Fall, Spring

111. Calculus and Analytic Geometry. 4 hr.; 4 cr :

Prereq.: Three years of high school mathematics including intermediate algebra and trigonometry, or Mathematics 10. The first part of a two-semester sequence (Mathematics 111 and 112) intended for students who want to study mathematics, physics, chemistry, or engineering. Credit is given for each course satisfactorily completed; a student need not take the entire sequence. Students who want a less rapid introduction to calculus should take Mathematics 101. Topics include sets, inequalities, straight lines, circles, functions, limits, continuity, the derivative, formulas of differentiation, implicit differentiation, velocity, acceleration, maxima and minima, Rolle's theorem, the mean value theorem, points of inflection, curve sketching, antiderivatives. Not open to students who are taking or who have passed Mathematics 21, 100, or 101. (This course may be counted toward the LASAR Scientific Methodology and Quantitative Reasoning requirement.) Fall, Spring

112. Calculus. 4 hr.; 4 cr :

Prereq.: Mathematics 111. Deals with several aspects of differential and integral calculus. Among the topics studied are the definite integral, applications of the definite integral, the differentiation of logarithmic, exponential, and inverse trigonometric functions, integration, indeterminate forms, improper integrals, infinite series, and expansions of functions. Applications to problems of geometry and physics. Not open to students who are taking or who have passed Mathematics 21 or 102. Fall, Spring

117, 118. Honors Calculus 1, II. 4 hr.; 4 cr :

each semester. Prereq.: Permission of Chair. An intensive course that is the first year of a two-year sequence (Mathematics 117, 118, 207, 208) that will cover elementary and advanced

calculus. A rigorous treatment of calculus from a modern point of view is given. The best mathematics students are urged to take this course. Students taking this course can receive advanced placement credit for calculus courses taken in high school. Not open, without permission of the department Chair, to students who have passed Mathematics 100, 101, or 111. 117-Fall; 118-Spring

130. Linear Algebra with Applications 1. 4 hr.; 4 cr :

Prereq.: One semester of calculus. An introduction to linear algebra with emphasis on techniques and applications, intended for students in the physical and social sciences as well as mathematics majors with a strong interest in applied mathematics. Topics to be covered include solutions of systems of linear equations, vector spaces, bases and dimension, linear transformations, matrix algebra, determinants, eigenvalues, and applications. Not open to students who are enrolled in or who have completed Mathematics 135 or 137. Fall, Spring

135. Linear Algebra and Geometry 1.3 hr.; 3 cr :

Prereq.: Mathematics 103 or 112, or permission of Chair. An introduction to linear algebra with special emphasis on applications to classical analytic geometry of 2 and 3 dimensions. Among the topics covered are axioms for a (real) vector space, dependence, spanning, bases, dimension, lines, planes, inner product and normed spaces, systems of linear equations, linear transformations, matrices, and determinants. Not open to students who are enrolled in or who have completed Mathematics 130 or 137.

*Students who are required to satisfy the Queens College mathematics basic skills requirement cannot do so by receiving transfer credit for a course having Math 6 as a prerequisite at Queens. Math 6 must be taken or the QC placement test must be passed.

137. Honors Linear Algebra. 3 hr.; 3 cr :

Prereq.: Permission of Chair. An intensive course in linear algebra for superior mathematics students, Not open to students who are enrolled in or who have completed Mathematics 130 or 135.-1',

190. Studies in Mathematics. 190.1 - 190.6-1-6 hr.; 1-6 cr.

Prereq.: Permission of Chair. Topic announced in advance. May be repeated for credit if topic is not the same.

201. Calculus. 4 hr.; 4 cr :

Prereq.: Mathematics 103 or 112. A continuation of the work of Mathematics 103 or 112. The topics include polar coordinates, vectors, solid analytic geometry, vector-valued functions, double and triple integrals, functions of several variables, partial derivatives. Wherever possible, applications are made to problems of geometry and physics. Not open to students who are taking or who have passed Mathematics 22 (unless permission of the Chair is obtained). Fall, Spring

202. Advanced Calculus. 4 hr.; 4 cr :

Prereq.: Mathematics 201 and, as prerequisite or corequisite, Mathematics 130 or 135 or 137 (or permission of Chair). Vector-valued functions, higher-order derivatives, maxima and minima of functions of several variables, integrals over paths and surfaces, vector analysis. Fall, Spring

207, 208. Honors Calculus III, IV. 4 hr. lec., 1 hr. conf., and independent work; 5 cr :

each sem. Prereq.: Mathematics I 18 or Mathematics 201 and permission of Chair, Continuation of Honors Calculus I and II (Mathematics 117, 118), including topics of advanced calculus. 207-Fall; 208-Spring

217. Engineering Mathematics. 3 hr.; 3 cr :

Prereq.: Mathematics 201 and a first course in physics. Covers ordinary differential equations, Laplace transforms, and Fourier series. Intended for students planning to continue in engineering. Students taking this course may not receive credit for Mathematics 223. Fall, Spring

220. Discrete Mathematics. 3 hr.; 3 cr :

Prereq.: One semester of calculus or permission of the instructor. Topics taken from the subjects of logic and switching circuits, set theory, combinatorics, graph theory, and their applications. Fall

223. Differential Equations with Numerical Methods I. 3 hr.; 3 cr :

Prereq.: Mathematics 201. First order linear, separable, and exact equations; second order linear equations; series solutions; existence and uniqueness theorem; numerical solutions; applications. Students receiving credit for this course may not receive credit for Mathematics 217. Fall, Spring

224. Differential Equations with Numerical Methods II. 3 hr.; 3 cr :

Prereq.: Mathematics 223, and either Mathematics 130 or 135 or 137. Linear systems of equations; stability of linear systems, orbits, phase portraits, periodic solutions, stability; boundary value problems; applications. Fall

230. Linear Algebra with Applications 11. 3 hr.; 3 cr :

Prereq.: Mathematics 130 or 135. A second course in linear algebra. Topics include a continuation of matrices and linear transformations, canonical forms, invariants, equivalence relations, similarity of matrices, eigenvalues and eigenvectors, orthogonal transformations and rigid motions, quadratic forms, bilinear maps, symmetric matrices, reduction of a real quadratic form and applications to conic sections and quadric surfaces. Not open except by permission of the Chair to students who are enrolled in or who have completed Mathematics 137. Fall

241. Introduction to Probability and Mathematical Statistics. 3 hr.; 3 cr :

Prereq. or coreq.: Mathematics 22 or 103 or 112. An introduction to the basic concepts and techniques of probability and statistics with an emphasis on applications. Topics to be covered include the axioms of probability, combinatorial methods, conditional probability, discrete and continuous random variables and distributions, expectations, confidence interval estimations, and tests of hypotheses using the normal, t, and chi-square distributions. Students taking this course may not receive credit for Mathematics 14, except by permission of the Chair. Not open to students who are taking or who have received credit for Mathematics 611. Fall, Spring

242. Methods of Mathematical Statistics. 3 hr.; 3 cr :

Prereq.: Mathematics 241. A study of those methods of mathematical statistics that are most frequently used in the natural and social sciences, as well as actual science. Topics include estimation testing of statistical hypotheses, nonparametric tests, analysis of variance, correlation and regression analysis, and other methods of statistical analysis. Fall

245. Mathematical Models. 3 hr.; 3 cr :

Prereq.: Mathematics 22 or 102 or 112, and permission of instructor. Construction, analysis, and assessment of mathematical models as they arise in the physical, biological, and social sciences. Specific topics to be announced in advance. May be repeated for credit with permission of the Chair. Spring 1994

247. Linear Programming and Game Theory. 3 hr.; 3 cr :

Prereq.: Mathematics 130 or 135 or 137 or the equivalent. Methods for handling optimization problems that arise in management, engineering, physical sciences, and social sciences. Topics include convex geometry, the Simplex Algorithm, duality theory, and the Von Neumann minimax theorem of game theory. Fall, Spring

248. Nonlinear Programming. 3 hr.; 3 cr :

Prereq.: Mathematics 201 and either Mathematics 130 or 135 or 137. Iterative methods for solving nonlinear optimization problems; techniques for handling problems with and without constraints; termination criteria and convergence analysis. Spring

249. Extensions of Linear Programming. 3 hr.; 3 cr :

Prereq.: Mathematics 247. Topics include goal programming, integer programming, network analysis, and dynamic programming. Additional topics may be chosen from fractional programming, quadratic programming, convex programming, separable programming, and heuristic programming. A large number of realistic applications will be given. Fall

255. Mathematical Applications of Computer Programming. 2 hr.; 2 cr :

Prereq. or coreq.: Mathematics 103 or 112. Solution of problems arising in calculus, using BASIC or another suitable programming language. No prior computer experience or knowledge of a

computer language is necessary. Not open to students who are taking or who have received credit for Mathematics 624 or Computer Science 361. Fall, Spring

290. Studies in Mathematics. 290.1-290.6-1-6 hr.; 1-6 cr.

Prereq.: Permission of Chair. Topic announced in advance. May be repeated for credit if topic is not the same.**

310. Elementary. Real Analysis. 3 hr.; 3 cr :

Prereq.: Mathematics 201. Rigorous introduction to functions of a real variable. Topics include real numbers and the completeness property; limits of sequences; elementary topological concepts; continuity and uniform continuity; sequences and series of functions, derivatives; Taylor's Theorem; the Riemann integral. Fall, Spring

317. Foundations of Analysis. 3 hr.; 3 cr :

Prereq.: Mathematics 201. Language of logic and set theory; relations and functions; Peano systems; iterative processes; the natural numbers; integers and integral domains; rational numbers and fields; completeness and the real numbers; alternative characterizations of the real numbers; Archimedean order. Undergraduate students may elect Mathematics 617 in place of Mathematics 317. Students may not take both courses. Spring

320. Introduction to Point Set Topology. 3 hr.; 3 cr :

Prereq. or coreq.: Mathematics 201. Presents the basic concepts and some of the fundamental results of point set topology. Spring

328. Introduction to Partial Differential Equations. 3 hr.; 3 cr :

Prereq.: Mathematics 217 or 223, Topics covered include partial differential equations, Fourier series, and boundary value problems. Spring

333. Introduction to Algebraic Structures. 3 hr.; 3 cr :

Prereq.: Mathematics 201. Theory of groups, including cyclic and permutation groups, homomorphisms, normal and factor groups. Theory of rings, integral domains, field of quotients, maximal and prime ideals, rings of polynomials, field extensions. Students may not take both Mathematics 333 and 613. Fall

337. Abstract Algebra I. 3 hr.; 3 cr :

Prereq.: Permission of Chair. The first part of an intensive two-semester sequence for students intending to do advanced work related to mathematics. Definitions, examples, and basic properties of groups, rings, fields, and vector spaces. (Credit may be received for Mathematics 337 without completing Mathematics 338, Credit may not be received for both Mathematics 337 and either Mathematics 333 or 613. It is suggested that students needing a slower presentation of abstract algebra register for Mathematics 333 or 613 instead.) Fall

338. Abstract Algebra II. 3 hr.; 3 cr :

Prereq.: Mathematics 337. Further study of the concepts introduced in Mathematics 337. Topics may include Sylow theory of finite groups, structure theory of finitely generated abelian groups, ideal theory and unique factorization domains, Galois theory of fields with applications to constructions by straightedge and compass and to solvability of polynomial equations. Spring

345. Theoretical Mechanics. 3 hr.; 3 cr :

Prereq. or coreq.: Mathematics 202. Also desirable for the student to have had Physics 237.

346. Theoretical Mechanics. 3 hr.; 3 cr :

Prereq.: Mathematics 345.

371. Actuarial Mathematics I. 1 hr.; 1 cr :

Prereq. or coreq. :Mathematics 201 and either 130 or 135 or 137. This course is designed to prepare the student for the General Mathematics portion (Part I) of the actuarial examinations. Class meetings are arranged so that the course is completed by the time of the November Actuarial Examination. Fall

372. Actuarial Mathematics II. 1 hr.; 1 cr :

Prereq. or coreq.: At least two of the following courses: Mathematics 242,621, and 633.

This course is designed to prepare the student for the Probability and Statistics portion (Part II) of the actuarial examinations. Class meetings are arranged so that the course is completed by the time of the May Actuarial Examination. Spring

385. Mathematical Foundations of the Secondary School Curriculum. 3 hr.; 3 cr :

Prereq.: Mathematics 201 or permission of instructor. Designed to give prospective secondary school mathematics teachers an understanding of the mathematics they will be teaching. An examination will be made of the thought underlying the secondary curriculum, from a consideration of the nature of mathematics and mathematical thought to the construction of simple mathematical models drawn from secondary school topics. Fall 1994

390. Studies in Mathematics. 390.1-390.6-1-6 hr.; 1-6 cr. Prereq.: Permission of Chair.

Topics announced in advance. May be repeated for credit if topic is not the same.

391,392. Special Problems. 391.1-391.5- 1-5 hr.; 1-5 cr. 392.1-392.5-1-5 hr.; 1-5 cr.

each sem. Prereq.: Junior or senior standing and permission of Chair. Each student works on a minor research problem under the supervision of a member of the department. Only students of exceptional mathematical ability and promise are admitted to the course.

395. Honors Seminar I. 395.3-395.6-3-6 hr.; 3-6 cr.

Prereq.: Permission of instructor. A specific area of current research interest will be studied. As the specific material covered may vary from year to year, this course may be taken for credit more than once if the subject matter changes.

396. Honors Seminar II. 395.3-395.6-3-6 hr.; 3-6 cr.

Prereq.: Mathematics 395. Continuation of Mathematics 395.

The following graduate courses are open to qualified undergraduate students.

503. Mathematics from an Algorithmic Standpoint. 3 hr.; 3 cr :

Prereq.: One year calculus. An algorithmic approach to a variety of problems in high school and college mathematics. Experience in programming is not necessary. Topics may include problems from number theory, geometry, calculus and numerical analysis, combinatorics and probability, and games and puzzles. This course aims at a better understanding of mathematics by means of concrete, constructive examples of mathematical concepts and theorems. (This course may not be credited toward the degree of Master of Arts in Mathematics, except with the special permission of the Chair.)

509. Set Theory and Logic. 3 hr.; 3 cr :

Prereq.: One year of calculus or permission of instructor. Propositional logic and truth tables. Basic intuitive ideas of set theory: cardinals, order types, and ordinals. May not be credited toward the Master of Arts degree in Mathematics.

518. College Geometry. 3 hr.; 3 cr :

Prereq.: Mathematics 130 or 135 or 137. Advanced topics in plane geometry, transformation geometry. Not open to candidates for the Master of Arts degree in Mathematics. Fall

524. History of Mathematics. 3 hr.; 3 cr :

Prereq. or coreq.: Mathematics 201. Not open to candidates for the Master of Arts degree in Mathematics. Fall

525. History of Modern Mathematics. 3 hr.; 3 cr.

Prereq.: Mathematics 524 or permission of instructor. Selected topics from the history of nineteenth and twentieth-century mathematics, e.g., topology, measure theory, paradoxes and mathematical logic, modern algebra, nonEuclidean geometries, foundations of analysis. May not be credited toward the Master of Arts degree in Mathematics.

550. Studies in Mathematics. 1-3 hr.; 1-3 cr.

Prereq.: Permission of Chair. Topic will be announced in advance. May be repeated once for credit if topic is not the same. Not open to candidates for the Master of Arts degree in Mathematics.

555. Mathematics of Games and Puzzles. 3 hr.; 3 cr :

Prereq.: Two years of calculus or permission of instructor. Elements of game theory, analysis of puzzles such as weighing problems, mazes, Instant Insanity, magic squares, paradoxes, etc. May not be credited toward the Master of Arts degree in Mathematics.

609. Introduction to Set Theory. 3 hr.; 3 cr :

Prereq.: Mathematics 201 or permission of Chair. Axiomatic development of set theory: functions, ordinal and cardinal numbers, axiom of choice, Zorn's lemma, continuum hypothesis. Fall

611. Introduction to Mathematical Probability. 3 hr.; 3 cr :

Prereq.: Mathematics 201. A first course in probability at an advanced level. Topics to be covered include axioms of probability, combinatorial analysis, conditional probability, continuous and discrete random variables, binomial, Poisson, normal, exponential and other distributions, mathematical expectation, generating functions, and Markov chains. Not open to students who have received credit for Mathematics 241 or 621. Spring

612. Projective Geometry. 3 hr.; 3 cr :

Prereq.: Mathematics 130 or 135 or 137. Study of the projective plane.

613. Algebraic Structures. 3 hr.; 3 cr :

Prereq.: Mathematics 130 or 135 or 137. Groups, rings, polynomials, fields, Galois theory. Students may not take both Mathematics 333 and 613. Spring

614. Functions of Real Variables. 3 hr.; 3 cr :

Prereq.: Course in Elementary Real Analysis or Point Set Topology (equivalent of Mathematics 310 or 320), or permission of instructor. Provides a foundation for further study in mathematical analysis. Topics include basic topology in metric spaces; continuity; uniform convergence and equi-continuity; introduction to Lebesgue theory of integration. Spring

616. Ordinary Differential Equations. 3 hr.; 3 cr :

Prereq.: Mathematics 614 or permission of Chair.
Existence and uniqueness of solutions, linear systems, Liapunov stability theory, eigenvalue and boundary value problems. Spring 1994

617. Number Systems. 3 hr.; 3 cr :

Prereq.: Mathematics 201. Axiomatic development of the integers, rational numbers, real numbers, and complex numbers. Not open to students who have received credit for Mathematics 317. Fall

618. Foundations of Geometry. 3 hr.; 3 cr :

Prereq.: Mathematics 103 or 112. Historical perspective. Axiomatics: models, consistency, and independence. Rigorous development of both Euclidean geometry and NonEuclidean geometry of Bolyai and Lobachevski. Spring

619. Theory of Numbers. 3 hr.; 3 cr :

Prereq.: Mathematics 130 or 135 or 137. The elementary theory of integers, with applications to many numerical problems. Spring

621. Probability. 3 hr.; 3 cr :

Prereq.: Undergraduate calculus and an introductory course in probability and statistics, or permission of Chair. Binomial, Poisson, normal, and other distributions. Random variables. Laws of large numbers. Generating functions. Markov chains. Not open to students who are taking or who have received credit for Mathematics 611. Fall

623. Operations Research (Probability Methods). 3 hr.; 3 cr :

Prereq.: Course in probability theory (such as Mathematics 241). An introduction to probabilistic methods of operations research. Topics include the general problem of decision-making under

uncertainty, project scheduling, probabilistic dynamic programming, inventory models, queuing theory, simulation models, and Monte Carlo methods. The stress is on applications. Spring

624. Numerical Analysis 1. (formerly Mathematics 622) 3 hr.; 3 cr :

Prereq.: Mathematics 130 or 135 or 137, and either Mathematics 255 or knowledge of a programming language; coreq.: Mathematics 201. Numerical solutions of nonlinear equations by iteration. Interpolation and polynomial approximation. Numerical differential and integration. Fall, Spring

625. Numerical Analysis II. (formerly Mathematics 629) 3 hr.; 3 cr :

Prereq.: Mathematics 624 or its equivalent, including knowledge of a programming language. Numerical solution of systems of linear equations. Iterative techniques in linear algebra. Numerical solution of systems of nonlinear equations. Orthogonal polynomials. Least square approximation. Gaussian quadrature. Numerical solution of differential equations. Spring

626. Mathematics and Logic. 3 hr.; 3 cr :

Prereq. or coreq.: Mathematics 201 or permission of Chair. Propositional calculus, quantification theory, recursive functions, Godel's incompleteness theorem. Fall

628. Functions of a Complex Variable. 3 hr.; 3 cr :

Prereq.: Mathematics 202 or permission of Chair. Topics covered include analytic functions, Cauchy's Integral Theorem, Taylor's Theorem and Laurent series, the calculus of residues, Riemann surfaces, singularities, meromorphic functions. Fall

630. Differential Topology. 3 hr.; 3 cr :

Prereq.: Mathematics 202. Differentiable manifolds and properties invariant under differentiable homeomorphisms; differential structures; maps, immersions, imbeddings, diffeomorphisms; implicit function theorem; partitions of unity; manifolds with boundary; smoothing of manifolds. Spring 1995

631. Differential Geometry. 3 hr.; 3 cr :

Prereq.: Mathematics 202. The theory of curves and surfaces and an introduction to Riemannian geometry. Fall 1994

632. Differential Forms. 3 hr; 3 cr :

Prereq.: Mathematics 202. A study in a coordinate-free fashion of exterior differential forms; the types of integrands that appear in the advanced calculus. Fall 1993

633. Statistical Inference. 3 hr.; 3 cr :

Prereq.: A semester of intermediate calculus (the equivalent of Mathematics 201) and either an undergraduate probability course that includes mathematical derivations or Mathematics 611 or 621. Basic concepts and procedures of statistical inference. Spring

634. Theory of Graphs. 3 hr.; 3 cr :

Prereq.: Mathematics 201. An introduction to the theory of directed and undirected graphs. The Four-Color Theorem. Application to other fields. Fall

635. Stochastic Processes. 3 hr.; 3 cr :

Prereq.: Mathematics 611 or 621. A study of families of random variables.

636. Combinatorial Theory. 3 hr.; 3 cr :

Prereq.: Mathematics 130 or 135 or 137. This course will be concerned with techniques of enumeration. Spring

650. Studies in Mathematics. 1-3 hr.; 1-3 cr.

Prereq.: Permission of Chair. Topic announced in advance. May be repeated for credit if topic is not the same.

THE AARON COPLAND SCHOOL OF MUSIC

Director: Hubert S. Howe, Jr.

Associate Director: Drora Pershing

Assistant Director: Henry Burnett

Assistant to the Director: Gretchen Clumpner

Graduate Adviser: Charles Burkhart

Music Office: Music Building 203

Professors: Berkowitz, Brings, Burkhart, Byrd, Eisman, Erickson, Hallmark, Howe, Kates, Mandelbaum, Maynard, Musgrave, Orenstein, Peress, Ritt, Roseman, Saylor, Schachter, Straus, Walker, Weinberg, White;

Adjunct Professors: Glazer, Glickman, Pommers;

Associate Professors: Burnett, Heath, Phillips;

Adjunct Associate Professors: Brown, Des Roches, Emmons, Iadone, Karasick, Lincer, Olian, Pardee, Rosenbaum, SteinMallow, Von Wurtzler;

Assistant Professors: Gagne, Sang, Smaldone;

Adjunct Assistant Professors: Blossom, Bottazzi, Botti, Broiles, Goltzer, Lindheimer, Matthews, Rosenbaum, Siebert, Stallman, Williams;

Instructor: Hahn;

Lecturer: Pershing;

Adjunct Lecturers: Alexander, Bower, Daghljan, Dougherty, Gilmore, Karpilovsky, O'Brien, Price, Rosenfeld, Verdery, Wilson;

College Lab Technician: Barnes;

Graduate Assistants: O'Donnell, Townsend;

Department Secretary: Peterson;

Office Assistant: Dimino Performance Faculty

Violin: Ariana Bronne, Margaret Pardee, Daniel Phillips;

Baroque Violin: Nancy Wilson *Viola:* William Lincer

Cello: Stephen Kates, Barbara Stein-Mallow

Double Bass: William Blossom, Walter Botti

Flute: Robert Dick, Renee Siebert, Robert Stallman, Keith Underwood

Oboe: Ronald Roseman

Clarinet: Edward Gilmore, David Glazer

Bassoon: Loren Glickman, Harold Goltzer

French Horn: Melissa Coren, Peter

Gordon Trumpet: Donald Byrd, Murray Karpilovsky, Edward Treutel

Trombone: Simon Karasick, Erwin Price

Tuba: William Troiano, Lewis Waldeck

Percussion: Brad Alexander, Raymond Des Roches, Richard Horowitz

Harp: Susan Jolles, Aristid Von Wurtzler

Guitar (classical): Frederic Hand, William Matthews, Ben Verdery

Piano: Ana Maria Bottazzi, William Daghljan, Donald Pirone, Morey Ritt, Gerald Robbin

Organ: Paul Maynard

Harpichord: Raymond Erickson, Paul

Maynard Recorders: Daniel Waitzman

Viola da Gamba: Judith Davidoff

Lute: Joseph Iadone, Patrick O'Brien

Voice: Shirlee Emmons, Marcie Lindheimer, Jane Olian, Robert C. White, Jr.

The Aaron Copland School of Music offers a liberal arts music major and a major in performance, an additional sequence in music education, and a cultural music major; music minors in music literature or theory; and a concentration in composition. The curriculum is planned to develop the interdependent skills of performing, listening to, and understanding music, and thus to provide the thorough training so necessary for graduate study and an eventual career in the profession.

The School gives all students of the College a finer appreciation of music by broadening their experience in listening and participating. Courses in appreciation and the rudiments of music are available for the general student without previous training in music; other courses and performing ensembles are open to qualified non majors.

The School presents public concerts and recitals by ensembles, students, and faculty, artists-in-residence (the Lyric Piano Quartet is currently in residence), and guest artists; lectures by faculty members or guests; and occasionally workshops by performance faculty or guest artists. College ensembles include a symphony orchestra, opera workshop, various chamber groups and ensembles, including early and contemporary music groups, and several choirs. There is in addition a College-community choir, the Queens College Choral Society. Opera productions and musicals are produced in cooperation with the Department of Drama, Theatre, and Dance. Most of these events are free and all are open to the public.

The Aaron Copland School occupied new quarters in 1991. The music building includes a recital hall with tracker organ, a smaller recital hall, classrooms surrounding a central enclosed atrium, practice rooms and rehearsal studios, a library planned for the better accommodation and use of the music library's extensive holdings and collections, expanded electronic music studio, music education facilities, and a recording studio. Classrooms and rehearsal studios are equipped with grand pianos, practice rooms, and faculty offices with studio upright pianos.

The Major

Prospective music majors are advised to consult the *Music Students' Handbook*, available in the Music Office. There are specific programs for students who intend to major in music according to one of the following major fields.

1. THE STANDARD MUSIC MAJOR

Students preparing for a career as a performer, conductor, composer, arranger, musicologist, or teacher in a conservatory, university, or other institution not requiring State certification will take the following courses: Music 101, 247, 248, 249, 171, 173; 172, 174; 271, 273; 272, 274; 373, 374, 270, 276, 277, 377, 378. They are advised to elect additional courses in music literature and history, composition, and conducting, according to their needs.

Academic Requirements

B.A. Music Majors:

All College wide B.A. requirements, including Basic Skills and foreign language requirements, and area requirements. The Social Science requirement must include one course (3 cr.) in the history of Western civilization from the Middle Ages to the present from among the following: History 100-104, 211-218, 220, 225, 234-236, 301-302. In addition, one course from the Humanities II category in Art, or Drama, Theatre, and Dance.

2. THE PERFORMANCE MAJOR

Bachelor of Music program is planned for the advanced student in instrumental or vocal performance and is comparable to conservatory training. Admission is by competitive audition in the major instrument. Students accepted into the program receive private instruction in the major instrument and take the music curriculum described above, but need take only one course from Music 270 (Conducting), 276 (Instrumentation), and 370 (Composition)*; they take Music 282 (Instrument Repertory) and 255 (Chamber Music), if applicable to their instrument. In addition, piano majors take Music 283 (Keyboard Accompaniment) and two semesters of Music 286 (Practical Accompanying), or one semester each of Music 286 and 284 (Continuo Playing). Voice majors take also Music 213 (Art Song) and Music 280 and 281 (Diction in Vocal Music), and two semesters each of two languages, French, German, or Italian.

Academic Requirements

Mus. B. Students:

College wide basic skills requirements in English, mathematics, and physical education; for instrumental majors, two semesters of a foreign language, which may be fulfilled by two years of high school study.*2 The language requirement for Mus. B. voice majors remains as above. In addition, for all Mus. B. students:

- one course (3 cr.) from Humanities 1;
- one course (3 cr.) from Humanities II in Art, or Drama, Theatre, and Dance;
- one course (3 cr.) in the history of Western civilization (see approved list under the Standard Music Major above);
- one course (3 cr.) selected from Humanities I or the list of courses in the history of Western civilization, or the list of courses in Natural Sciences/Mathematics

3. THE MUSIC MAJOR WITH MUSIC EDUCATION SEQUENCE

Students who intend to teach music in public schools or other institutions requiring State certification must take all of the courses listed in section 1 above, plus Secondary Education 201,221,222, 367, and 377 and Music 166, 268, 269, and 370. They are required to select a concentration in either instrumental or choral music education. The required instrumental sequence includes Music 376, 161-162, 163, 164, 167, and 168. The required choral sequence includes Music 265, required for those whose keyboard skills are found upon examination to be less than adequate, and Music 266. Those who want to obtain the broadest possible professional preparation may elect to take both sequences.

Standards for admission to student teaching:

- a. A minimum grade-point average of 2.7 in music major courses exclusive of electives, Bachelor of Music courses, and performance and ensemble courses (171 174, 271-274, 373-374, 101,247-249, 270, 276, 277, 377, 378).
- b. A 3.0 average in music education courses - Music 265,266, 268,269, 161166; a grade orb in Secondary Education 367.
- c. Satisfactory completion of all grade of *inc.* in music and music education courses by completion of Secondary Education 367.

4. THE CULTURAL MUSIC MAJOR

Students interested in music from a cultural standpoint, but who do not intend to be professional musicians or teachers, will take Music 101,247,248,249, 171,173; 172, 174; 271,273; and 12 additional elective credits in music history and literature, for a total of 36 credits in music. In addition, these students are advised to take Classics 140; Philosophy 101, 110; at least one course selected from History 211, 218,222, 301,302; three credits in the History of Art; and at least one course selected from Comparative Literature 101, 203,204, 211,212, 213,214. Cultural majors must have an approved concentration on file at least three semesters before graduation. The concentration must be approved by an adviser.

Music majors must have an approved concentration on file with the School in order to be permitted to register for Music 274. (See also under no. 5 on page 168, Music Listening Examination.)

Music Minor

The Music School offers several minors structured to fit the student's individual goals and interests. These focus on theory, or literature. Interested students should take the qualifying examination. A detailed description of the minor programs and the name of the faculty adviser are available in the Music Office.

4¹/₂ Year B.A.-M.A. Degree

Advanced students with superior grades who are interested in the 4 1/2 year B.A.M.A. combined program should consult the graduate adviser; a qualified student may apply for this program in the junior year and, if accepted, would start graduate courses at the beginning of the senior year.

'All music majors who have not already met the foreign language requirements are strongly advised to do so in either German, French, or Italian.

*2 Mus. B. students enrolled prior to September 1981 must complete all three of these courses, i.e., Music 270, 276, and 370.

Undergraduate Composition Concentration

Music 329 (Composer's Workshop) and Music 330 (Undergraduate Tutorial in Composition) are the basis for the undergraduate composition concentration. These courses are designed to serve undergraduate students who have already demonstrated a commitment to and a skill in musical composition. Students may take Music 329 without 330, but may not take 330 without 329.

Duly enrolled Queens College music majors may be admitted to the composition concentration by permission of the School of Music on the basis of compositions submitted for approval. A committee of faculty members who are active composers shall determine the admissibility of each applicant after examining the submitted compositions. Admissibility *does not* assume advanced standing in the theory sequence. Interested students may apply by submitting compositions at any time.

Requirements

1. After admission to this course sequence, all requirements of the straight or education music major in either the B .A. or the Music B. program shall apply except as specifically noted below.
2. Once admitted to the composition concentration, students will take Music 329 (Composer's Workshop) every semester.
3. In order to complete the sequence, each student will, on at least one occasion, prepare a composition for performance at a regularly scheduled student composer's concert.
4. Students in the composition concentration may take Music 374 concurrently with Music 373. It is recommended that they take Music 374 with an instructor other than their composition teacher.
5. Students who complete at least one semester of Music 330 are exempted from Music 378 (the regular undergraduate composition course).
6. Students must receive grades of B or better in both Music 329 and 330 to remain in the composition concentration.
7. Students in the undergraduate composition concentration may apply for admission to Music 729 (the first graduate course in compositional techniques) as soon as they have both completed at least two semesters of Music 330 and achieved senior standing. Admission to Music 729 is at the pleasure of the Office of Graduate Studies and subject to review by the graduate adviser. Upon acceptance to Music 729, students will follow the graduate course sequence in composition.

Important Information for All Music Majors

1. *Theory Qualifying Examination.* All prospective music majors will be given an examination before registering. The examination consists of short tests in rudiments, ear training and sight singing, keyboard ability, and harmony and counterpoint for advanced placement. It is intended to ascertain how much skill, if any, students may have already acquired from previous training, and to place those who qualify in the course and section best suited to their needs. An audition on instrument or voice will be given in conjunction with the qualifying examination. Students who intend to major in music and who are placed in a section of Music 71 or 73 as a result of the examination are advised to elect Music 1 concurrently. The examination is given in May, in August, and in January during registration. Contact the Music Office for details on the place and date, and how to register.
2. *Scholastic Requirements:* Students enrolled in Music 71, 74, 171, 172, 173, 174, 247, 248, 271, 273, 274, and 373 are required to obtain a grade of C- or higher before proceeding to the next course in sequence. Students enrolled in Music 73 must receive a grade of B- or higher before proceeding to 173. Each of these courses may be repeated once only, subject to exception made by the Music School.
3. *Performance Activities:* All music majors are required to perform each semester in at least one large ensemble. Depending upon their major instrument and proficiency, students ~~will~~ *will be assigned* (following audition) to participate in one of the following: Orchestra, Wind Ensemble, Choir, or Glee Club. Students who audition and qualify for the Vocal Ensemble may use it to meet this requirement, with the approval of the conductor of the choir. Membership in these groups will form a part of the student's permanent departmental record. This experience is an essential part of the music major's training and background.
4. *Progress Evaluation:* Freshman, sophomore, and junior conferences will be held to evaluate students' progress in performance on their major instrument. A senior conference is included in the Senior Comprehensive Exam (see 6 below).
5. *Music Listening Examination:* A comprehensive listening examination on music literature, based on a selected list of works, is divided into four parts. These parts are to be taken in order, successively at the end of each year of study. Copies of the literature list are available in the Music School Office. Passing of the freshman and sophomore listening examinations is prerequisite for registration in Music 373 or any subsequent music course.
6. *Senior Comprehensive Examination:* To be a candidate for graduation, one must receive passing grades in all parts of the Senior Comprehensive Examination. This examination will include performance on the student's major instrument. In order to be eligible to take the examination, one must have completed all required music courses or be currently enrolled in the last semester of these courses. A minimum of three parts of the music listening examination must be completed before a student may take the Senior

Comprehensive Examination.

Courses

COURSES WITHOUT PREREQUISITE

1. Introduction to Music. 3 hr.; 3 cr :

A basic course in appreciation, designed to develop an understanding of music. Following an introduction to the basic principles of musical organization and expression, selected masterpieces of Western music are studied with regard to content, form, and style. Music 1 is prerequisite for all elective courses in Music Literature (Music 12 and Music 111 through 220).

5. Music of Black People in Africa and America. 3 hr.; 3 cr :

Survey of principal genres of black and black derived tribal, folk, popular, and art music in African and Afro-American traditions. Emphasis on musical aesthetics, forms, instruments, the function of music in its cultural context.

8. Studies in the Literature of Music. 3 hr.; 3 cr :

Topics will vary.

60. Rudiments of Music 1.2 hr.; 2 cr :

A preparatory course in rudiments designed for lay people. Covers notation, rhythm, scales and keys, formation of intervals and triads, and ear training. Fall, Spring

61. Rudiments of Music II. 2 hr.; 2 cr :

Prereq.: Music 60 or permission of the School of Music. Further instruction in notation, rhythm, scales and keys; triads, ear training, introduction to harmony and keyboard skills.

ELECTIVE COURSES IN MUSIC LITERATURE WITH PREREQUISITE

For announcements of current offerings, consult the Music School or see the listing at registration.

11. Topical Course in Music Literature. 2 or 3 hr.; 2 or 3 cr.

19. Studies in the Literature of Music.

2 or 3 hr.; 2 or 3 cr. Prereq.: Music 1 or 101.

Note: English 95 or its equivalent is the minimum corequisite for all courses (see pp. 38, 124). +/- offered either Fall or Spring; see *Class Schedule* may be offered; see *Class Schedule* Topic announced in advance. May be repeated for credit if topic is different.

111. Music of Diverse Genres and Style Periods. 3 hr.; 3 cr :

Prereq.: Music 1. An elective continuation of Music 1 to expand contact with the repertory and understanding of musical forms and procedures.

204. The Symphony up to 10 and Including Beethoven. 3 hr.; 3 cr :

Prereq.: Music 1 or 101. The origins and development of the symphony with emphasis on the symphonies of Haydn, Mozart, and Beethoven.

205. The Symphony from Schubert to the Present. 3 hr.; 3 cr :

Prereq.: Music 1 or 101.

206. The Concerto. 3 hr.; 3 cr :

Prereq.: Music I or 101. From the Baroque era to the present.

207. Chamber Music. 3 hr.; 3 cr :

Prereq.: Music 1 or 101. Comprehensive study of outstanding examples of duo sonata, trio, quartet, quintet, sextet, and larger chamber music groups from the time of Bach.

208. The String Quartet in History and Performance. 2 hr.; 2 cr :

Prereq.: Music 1 or 101. A lecture-recital course surveying the history and repertory of the string quartet from Haydn and his predecessors to the present.

209. The String Quartets of Beethoven. 3 hr.; 3 cr :

Prereq.: Music 1 or 101. Lecture-recital course presenting all the quartets of Beethoven.

210. The Violin: Its History and Literature. 3 hr.; 3 cr :

Prereq.: Music 1 or 101. Lecture-recital course focusing on selected works from Bach to the present.

211. Piano Literature of the Romantic Period (1800-1000). 2 hr.; 2 cr :

Prereq.: Music 1 or 101. Lecture-recital course: great composers from Beethoven through Brahms and Liszt.

213. The Art Song. 3 hr.; 3 cr :

Prereq.: Music 1 or 101. Detailed study of songs and songwriters from the Troubadours and Minnesingers to the present. Songs of the major composers of various countries. Frequent live performances.

214. Masterpieces of Choral Music. 3 hr.; 3 cr.

Prereq.: Music 1 or 101. Choral music from the Middle Ages to the present, including works by Machaut, Josquin des Prez, Palestrina, Schutz, Bach, Handel, Mozart, Beethoven, Verdi, and Stravinsky.

215. Introduction to Opera. 3 hr.; 3 cr :

Prereq.: Music 1 or 101. An examination of the major components of opera: plot, libretto, character, voice-types, musical forms, compositional techniques, orchestration, and production design. Examples include works from 1600 to the present by major composers representing various national styles. Extensive use is made of video-taped and live performances.

216. Twentieth-Century Opera. 2 hr.; 2 cr :

Prereq.: Music 1 or 101. The leading composers of opera from 1890 to the present.]*

217-220. Music and Its Social and Cultural Backgrounds. 2 hr.; 2 cr :

Prereq.: Music 1 or 101.

217. Music of the Middle Ages (ca. 600-1450).

218. Music of the Renaissance (1450-1600).

219. Music of the Baroque (1600-1750).

220. Music of the Rococo, Classicism, and Romanticism (1750-1900).

221. Twentieth-Century Music I (1900-1950). 3 hr.; 3 cr :

Prereq.: Music 1 or 101. Study of significant works of the first half of the twentieth century.

222. Twentieth-Century Music II (1945 to the Present). 3 hr.; 3 cr :

Prereq.: Music 1 or 101. The study of significant works composed since the end of World War II.

223. Electronic Music. 3 hr.; 3 cr :

Prereq.: Music 1 or 101. A survey of electronic music illustrated through selected examples of a variety of styles and procedures.

225. Bach. 3 hr.; 3 cr :

Prereq.: Music 1 or 101. Bach's work in its relation to his life and times. Emphasis on the analysis of his style and its evolution.

226. Mozart. 3 hr.; 3 cr :

Prereq.: Music 1 or 101. Mozart's work in its relation to his life and times. Emphasis on the analysis of his style and its evolution.

227. Beethoven. 3 hr.; 3 cr :

Prereq.: Music 1 or 101. An intensive study of Beethoven's life and work; an analysis of his style in its various phases, his creative process as revealed in his sketchbooks, and his impact on the Romantic period.

228. The Music Dramas of Richard Wagner. 3 hr.; 3 cr :

Prereq.: Music 1 or 101.

231. Russian and Soviet Music from Glinka to the Present. 3 hr.; 3 cr :

Prereq.: Music 1 or 101. Examined against the background of social and intellectual forces, the 1917 Revolution, and the relationships between Soviet aesthetics and politics. Representative works by Glinka, Tchaikovsky, the "Mighty Five," Scriabin, Prokofiev, Shostakovich, and others will be studied.

232. Jewish Music. 3 hr.; 3 cr :

Prereq.: Music 1 or 101 The development of Jewish music. Emphasis on Biblical cantillation and the liturgy of the synagogue. Other topics include Yiddish art songs and folk songs, Hebrew folk music, Hebraic elements in Western art music, contemporary trends.

233. Music in Non-European Cultures. 3 hr.; 3 cr :

Prereq.: Music 1 or 101. An introductory survey of music in the nonWestern world; the melodic and rhythmic characteristics and the style of performance will be demonstrated with appropriate examples of instrumental and vocal music.

234. Music of Asia. 3 hr.; 3 cr :

Prereq.: Music 1 or 101. Survey of musical cultures of Asia; examination of the elaborate melodic and rhythmic system, *raga* and *tala* of India, the classical "orchestral" gamelan music of Indonesia, the symbolic and philosophical implications of music in China, the classical chamber and Theatre music of Japan.

235. Latin American Music. 2 hr.; 2 cr :

Prereq.: Music 1 or 101. Native Indian music; the influence of the secular, religious, and folk music of Spain and Portugal; the emergence of a native folk style; a discussion of the major works of leading composers.

236. Music in American Civilization. 3 hr.; 3 cr :

Prereq.: Music 1 or 101. The character and types of music used or created in North America from about 1600 up to the present. Historical, social, and cultural backgrounds as well as foreign influences are studied.

237. American Folk Music: Its History and Literature. 3 hr.; 3 cr :

Prereq.: Music 1 or 101. The two mainstreams of American folk music, the Anglo-American and the Afro-American, are examined from a scholarly point of view. Reference is made to the great collections and field recordings. Student performance of examples from the established literature of vocal and instrumental folk music is encouraged.

238. The American Musical Theatre. 3 hr.; 3 cr :

Prereq.: Music 1 or 101. Survey of major American theatrical stage works, with an emphasis on the Broadway musical.

239. Jazz: Its History and Literature. 3 hr.; 3 cr :

Prereq.: Music 1 or 101. The sociological and folkloristic roots of jazz; its history and widespread influence on twentieth-century music.

240. Jazz History I1: The Great Improvisers. 3 hr.; 3 cr :

Prereq.: Music 1 or 101. The music and lives of the major contributors of improvised jazz music from 1917 to the present.

241. Contemporary Popular Music. 3 hr.; 3 cr.

Prereq.: Music 1 or 101. A survey of popular music in the United States from the beginning of the twentieth century to the present.

PRIMARILY FOR MUSIC MAJORS**101. Introduction to Music Literature. 3 hr.; 3 cr :**

Coreq.: Music 173 or permission of School of Music. (This course is designed for music majors.) Representative genres and forms in Western music from the Middle Ages to the present, directed toward the understanding of musical organization, styles and concepts, and the development of critical aural perception and analysis. Outside listening requirements and the study of musical scores are required regularly. Fall, Spring

Note: Students must have passed English 110 or its equivalent for admission to Music 247, 248, or 249.

247. Music History 1: Music from Antiquity to 1600. 3 hr.; 3 cr :

Prereq.: Minimum grade of C- required in Music 101; prereq. or coreq.: Music 174. Fall, Spring

248. Music History. 1I: Music of the Seventeenth and Eighteenth Centuries. 3 hr.; 3 cr :

Prereq.: Minimum grade of C- in Music 247 or permission of School of Music; prereq. or coreq.: Music 273. Fall Spring

249. Music History 111: Music of the Nineteenth and Twentieth Centuries. 3 hr.; 3 cr :

Prereq.: Minimum grade of C- in Music 248 or permission of School of Music; prereq. or coreq.: Music 274. Fall, Spring

COURSES IN MUSIC THEORY AND MUSICIANSHIP

May be repeated once only subject to exemption made by the School of Music.

71-75. Basic Musicianship. 2 hr.; 1 cr :

each course, Prereq.: Permission of School of Music; Theory Qualifying Examination. Designed to develop basic skills in music. Music majors who are placed in a section of Music 71 or 73 as a result of the Theory Qualifying Examination are advised also to elect Music 1.

71. Basic Musicianship: Sight Singing and Ear Training.

An intensive course in sight singing and melodic dictation. Satisfactory work in Music 71 (minimum grade of C-) or the equivalent will constitute the prerequisite for Music 171. Fall, Spring

73. Basic Musicianship: Theory.

An intensive course in music reading and introductory aspects of music theory. A minimum grade of B- will be part of the prerequisite for Music 173. Fall, Spring

74. Basic Musicianship: Keyboard Techniques.

An intensive course in musicianship at the keyboard. Satisfactory completion (minimum grade of C-) will constitute the keyboard prerequisite for Music 173. Fall, Spring

75. Piano Skills. 2 hr.; 1 cr :

Prereq.: Permission of School of Music; Theory Qualifying Examination; coreq.: Music 173 and/or 174. Primarily for music majors with little previous training in piano playing. May be required of students whose keyboard skills are deficient. May be repeated for credit with permission of the School of Music.

171. Sight Singing and Dictation 1. 2 classroom hr., 1 lab. hr.; 2 cr :

Prereq.: Admission is by a passing score on a School of Music qualifying examination. Satisfactory work in Music 71 (minimum grade of C-) or the equivalent will constitute the prerequisite for Music 171. Corequisite with Music 173. Fall, Spring

172. Sight Singing and Dictation II. 2 classroom hr., 1 lab. hr.; 2 cr :

Prereq.: Minimum grade of C- and passing work in both sight singing and dictation in Music 171. Normally taken in the same semester as Music 174. Fall, Spring

173. Harmony, Counterpoint, and Keyboard Skills 1.3 hr.; 3 cr :

Prereq.: A passing score in all phases of a School of Music qualifying examination. Students who do not qualify in all parts of this exam will be placed in appropriate sections of elementary courses, and must receive the following *minimum* grades in those courses in order to be permitted to continue to 173 and 171: 71, C-; 73, B-; 74, C-. Corequisite with Music 171. Fall, Spring

174. Harmony, Counterpoint, and Keyboard Skills 11. 3 hr.; 3 cr :

Prereq.: Minimum grade of C- in Music 173 and passing work in both written work and keyboard skills. Fall, Spring

175. Theory Survey. 3 hr.; 3 cr :

Prereq.: Permission of School of Music. Review of elementary species counterpoint, harmony, and keyboard harmony. Primarily for transfer students and freshmen entering with advanced standing. Fall

270. Conducting 1. 3 hr.; 2 cr :

Prereq.: Music 273 or permission of School of Music. Baton technique, score reading, and rehearsal techniques applied to choral and instrumental music. Fall, Spring

271. Sight Singing and Dictation I11. 2 classroom hr., 1 lab. hr.; 2 cr :

Prereq.: Minimum grade of C- and passing work in both sight singing and dictation in Music 172. Normally taken in the same semester as Music 273. Fall, Spring

272. Sight Singing and Dictation IV. 2 classroom hr., 1 lab. hr.; 2 cr :

Prereq.: Minimum grade of C- and passing work in both sight singing and dictation in Music 271. Normally taken in the same semester as Music 274. Fall, Spring

273. Harmony, Counterpoint, and Keyboard Skills III. 3 hr.; 3 cr :

Prereq.: Minimum grade of C- in Music 174 and passing work in both written work and keyboard skills. Fall, Spring

274. Harmony, Counterpoint, and Keyboard Skills IV. 3 hr.; 3 cr :

Prereq.: Minimum grade of C- in Music 273 and passing work in both written work and keyboard skills. Introduces the study of chromaticism. Fall, Spring

276. Principles of Instrumentation. 3 hr.; 3 cr :

Prereq.: Music 274 or permission of School of Music. Fall, Spring

277, 377. Analysis 1 and 11.2 hr.; 2 cr :

each sem. Prereq.: For Music 277, Music 274; for Music 377, Music 277.

Detailed analysis of selected examples of music literature from various stylistic eras, moving from the simpler to the more complex types of composition, the second semester being devoted principally to the larger genres such as *sonata* and *the fugue*. Fall, Spring

329. Composer's Workshop. 2 hr. every other week; 1 cr.

Prereq.: Permission of School of Music or admission to the Concentration Program in Composition. A course for students active in musical composition. There will be performances and critiques of student works and examination of other works of importance to contemporary composers. This course is also open to advanced performers seeking experience in the coached performance of new music.

330. Undergraduate Composition Tutorial. 1/2 hr. of private instruction; 2 cr :

Prereq.: Admission to the Concentration Program in Composition; coreq. :Music 329 must be taken concurrently every time a student takes Music 330. May be repeated for credit as many times as student remains eligible. The course includes weekly private lessons given by a faculty composer. Students may select their instructors from among faculty members who are active composers, subject to approval by the School of Music. Students seeking guidance in this regard should see the program coordinator.

370. Conducting 11. 3 hr.; 2 cr :

Prereq.: Music 270. Includes consideration of repertoire, problems of interpretation, organization of choral and instrumental groups. Required for music education majors.

371. Intensive Sight Singing and Dictation I. 2 hr.; 2 cr :

Prereq.: Permission of School of Music. An accelerated and intensive course in sight singing, dictation, and score reading for highly qualified students. Fall

372. Intensive Sight Singing and Dictation 11.2 hr.; 2 cr :

Prereq.: Music 371 or permission of School of Music. A continuation of Music 371. Completes curricular requirements in sight singing and dictation. Spring

373. Harmony, Counterpoint, and Keyboard Skills V. 3 hr.; 3 cr :

Prereq.: Minimum grade of C- in Music 274 and passing work in both written work and keyboard skills. Music majors must have an approved concentration on file and must have passed the freshman and sophomore listening examinations to be permitted to register for Music 373. A continuation of Music 274. May include advanced chromaticism, medieval music, renaissance polyphony, invention and fugue, and further work in tonal composition. Fall, Spring

374. Musical Techniques of the Twentieth Century (1900-1945). 3 hr.; 3 cr :

Prereq.: Minimum grade of C- in Music 373. Fall, Spring

375. Musical Techniques of the Twentieth Century (1945 to the Present). 3 hr.; 3 cr :

Prereq.: Music 374. Compositional techniques in the post-war era are studied through the works of leading composers. Topics include serialism, aleatory music, electronic music, and other recent developments. Designed for students who plan to study theory and/or composition on an advanced level.

376. Scoring for Orchestra and Band. 2 hr.; 2 cr :

Prereq.: Music 276 or permission of School of Music. Required only of instrumental music education majors; recommended for students interested in advanced work in theory, composition, and conducting.

378. Composition 1. 3 hr.; 3 cr :

Prereq.: Music 374 or permission of School of Music. Fall, Spring

379. Composition II. 3 hr.; 3 cr :

Prereq.: Music 378. May be taken more than once for credit.**

**380. Topical Course in Music Theory. and Musicianship. 380.2-2 hr.; 2 cr ; ;
380.3-3 hr.; 3 cr.****COURSES IN MUSIC EDUCATION****260. Elementary Classroom Instruments. 3 hr.; 2 cr :**

Prereq.: Permission of School of Music. Designed for early childhood and elementary education majors; practical experience with instruments used in classroom music.

261. Music for Children (Elementary Education). 3 hr.; 3 cr :

Prereq.: Education 344 or permission of School of Music. A requirement for students majoring in elementary education. Students who receive credit for Music 261 may not also receive credit for Music 262. Fall, Spring

262. Music for Children (Early Childhood Education). 3 hr.; 3 cr :

Prereq.: Education 344 or permission of School of Music. A requirement for students majoring in early childhood education. Students who receive credit for Music 262 may not also receive credit for Music 261. Fall, Spring

263. Music Literature for Children. 3 hr.; 2 cr.

Prereq.: Music 261 or 262. Designed for students majoring in early childhood or elementary education. A study of music literature and methods that provides an enrichment of the basic classroom music program.

265. Applied Keyboard Skills. 2 hr.; 1 cr :

Prereq.: Music 373. The use of the piano for classroom and rehearsal purposes.

266. Vocal Pedagogy. 3 hr.; 2 cr :

Prereq.: Music 166 or permission of instructor. The physiology of the vocal mechanism and techniques for teaching voice production. The development of individual skill in singing is stressed. Spring

267. Introduction to Music Education. 3 hr. plus fieldwork; 3 cr :

Open to departmental majors only. Prereq.: Sophomore standing and Music 174 (Theory II) or above. An introduction to the profession with particular emphasis on the essentials of music pedagogy as applied to school music classes. Each student will participate in a structured field experience under Music Education faculty supervision.

268. The School Choral Program. 3 hr.; 3 cr.

Prereq.: Completion of Music 166, 270, and 267. Objectives, methods, and materials for school choruses, glee clubs, ensembles, and vocal classes.

269. The School Instrumental Program. 3 hr.; 3 cr :

Prereq.: Completion of at least 3 of the 5 required group instruction courses in the instruments, i.e., Music 161, 162, 163, 167, and 168; Music 270; and Music 267. Objectives, methods, and materials for school bands, orchestras, ensembles, and instrumental classes.

368. Special Topics in Music Education. 3 hr.; 3 cr :

Prereq.: Music 268, 269, or permission of department. The topic changes each time this course is given. For an announcement of the current topic, consult the Music Office or the Class Schedule.

GROUP INSTRUCTION IN INSTRUMENTS AND VOICE

Note: These courses are designed for the entire student body as well as for the music major. With the exception of Music 165, priority is given to music education majors. Others admitted on the basis of available space.

161 through 168. Group Instruction in Instruments and Voice. 3 hr.; 1 cr :

Prereq.: Music 60 or equivalent. 161, 162. Group Instruction in Upper and Lower Strings. Fall, Spring

163, 164. Group Instruction in Single Reed and Double Reed Woodwinds.**

165. Group Instruction in Piano. Fall, Spring 166. Group Instruction in Voice.**

167. Group Instruction in Brass.**

168. Group Instruction in Percussion.**

PERFORMANCE ACTIVITIES

Note: These courses are designed for the entire student body as well as for the music major, and may be taken with or without credit. A student in the Bachelor of Arts program may accumulate a maximum of 12 credits for participating in performance groups; a student in the Bachelor of Music program may accumulate a maximum of 18 credits.

58. Glee Club. 58.0-3 hr.; 0 cr.; 58.1-3 hr.; 1 cr :

A 4-part chorus for all who enjoy singing. No previous musical training required. Fall, Spring

59. Concert Band. 59.0-2 hr.; 0 cr.; 59.1-2 hr.; 1 cr :

Prereq.: Permission of instructor.**

156. Queens College Choral Society.

(See also page 13.) 156.0-3 hr.; 0 cr.; 156.1-3 hr.; 1 cr :

A mixed College-community chorus devoted to the study and performance of large choral masterpieces such as *Messiah*, *Creation*, and *Elijah*. Fall, Spring

158. Queens College Chorus. 158.0-3 hr.; 0 cr.; 158.1-3 hr.; 1 cr :

Prereq.: Permission of instructor. A singing group designed for those with relatively little previous experience. A wide variety of musical works is selected. Admission is by audition.**

253. Symphonic Wind Ensemble. 253.0-3 hr.; 0 cr.; 253.1-3 hr.; 1 cr :

Prereq.: Permission of instructor. An all-campus performance organization for wind and percussion players. The Ensemble is designed for the study and performance of the symphonic band repertoire from a variety of periods. Members of the Orchestra's wind and percussion sections who

are not scheduled to perform in every orchestral concert are also strongly advised to enroll for Wind Ensemble.

256. Opera Studio. 256.0-2 hr.; 0 cr.; 256.2-2 hr.; 2 cr :

; 256.3-3 hr.; 3 cr :

; 256.4-4 hr.; 4 cr :

; 256.5-5 hr.; 5 cr :

; 256.6-6 hr.; 6 cr :

Prereq.: Admission to course and number of credits and hours by permission of instructor.

A participation course. Students are coached individually and introduced to a wide variety of operatic literature, including solos and ensembles. Fall, Spring

258. Concert Choir. 258.0-3 hr.; 0 cr.; 258.13 hr.; 1 cr :

Prereq.: Admission is by audition. A mixed chorus devoted to the study and performance of music from the Renaissance to the present. Fall, Spring

259. Orchestra. 259.0-5 hr.; 0 cr.; 259.1-5 hr.; 1 cr :

; 259.2-5 hr.; 2 cr :

(with instructor's permission only). Prereq.: Audition and permission of instructor. Fall, Spring

291. Jazz Band and Ensembles. 291.0-3 hr.; 0 cr.; 291.1-3 hr.; 1 cr.

Prereq.: Permission of instructor. Groups of various sizes devoted to the study and performance of appropriate literature, both published and special arrangements, including original student work. Fall, Spring

356. Vocal Ensemble. 356.0-2 hr.; 0 cr.; 356.1-2 hr.; 1 cr :

Prereq.: Permission of instructor. A small, select chamber choir that performs music from the Middle Ages to the present day. The Renaissance Band (Music 357) often joins in performances of Medieval, Renaissance, and Baroque works. The Vocal Ensemble gives public performances in the New York City area each semester. Fall, Spring

357. Renaissance Band. 357.0-2 hr.; 0 cr.; 357.1-2 hr.; 1 cr :

Prereq.: Permission of instructor. Specializes in the performance of instrumental music of the Middle Ages, Renaissance, and early Baroque on modern copies of old instruments. Fall, Spring

359. Queens College Orchestral Society. 359.0-3 hr.; 0 cr.; 359.1-3 hr.; 1 cr :

Prereq.: Permission of instructor. A College-community symphonic organization devoted to study and performance of the standard orchestral literature. Not offered 1993-95.

INSTRUCTION IN MUSICAL PERFORMANCE

Note: Music 151 to 452 are only for students in the Mus. B. program. Each course is a continuation of the preceding one. All are offered each semester.

151. Major Study in Performance I. Private studio instruction 1 hr. weekly; 3 cr :

Prereq.: Permission of School of Music through audition of the student. Study in musical performance with regard to both technique and interpretation of appropriate music literature.

152. Major Study in Performance II. One hr. weekly; 3 cr :

Prereq.: Music 151.

251. Major Study in Performance 111. One hr. weekly; 3 cr :

Prereq.: Music 152.

252. Major Study in Performance IV. One hr. weekly; 3 cr :

Prereq.: Music 251.

351. Major Study in Performance V. One hr. weekly; 3 cr :

Prereq.: Music 252.

352. Major Study in Performance VI. One hr. weekly; 3 cr :

Prereq.: Music 351.

451. Major Study in Performance VII. One hr. weekly; 3 cr :

Prereq.: Music 352.

452. Major Study in Performance VIII. One hr. weekly; 3 cr :

Prereq.: Music 451.

255. Chamber Music. 255.0-1 hr.; 0 cr.; 255.1-1 hr.; 1 cr ; 255.2-2 hr.; 2 cr :

Prereq.: Permission of School of Music. At least 4 semesters of chamber music are required of Bachelor of Music students. May be repeated for credit. Fall, Spring

257. Ensemble of Related Instruments. 257.0-1 hr.; 0 cr.; 257-1-1 hr.; 1 cr :

; 257.2- 2 hr.; 2 cr :

Prereq.: Permission of instructor. Presently available ensembles include those for brass, percussion, and guitar. May be required instead of or in addition to Music 255, for Bachelor of Music students playing appropriate instruments. May be taken more than once.

280. Diction in Vocal Music I. 2 hr.; 1 cr :

The study of the proper pronunciation for the singing of English and Italian; the International Phonetic Alphabet. Primarily designed for Bachelor of Music voice majors. Open to other students on a space-available basis.

281. Diction in Vocal Music 1I. 2 hr.; 1 cr :

The study of proper pronunciation in the singing of French and German. Other foreign languages may also be included. Primarily designed for Bachelor of Music voice majors. Open to other students on space-available basis.

282. Survey of Repertory for Major Instruments and Voice. 2 hr.; 1 cr :

Prereq.: Music 273

283. The Art of Keyboard Accompaniment. 2 hr.; 2 cr :

Prereq.: Permission of instructor. Introduction to techniques and an of accompaniment through intensive study of selected examples of vocal and instrumental literature. Emphasis on the skills of sight-reading. Should be taken before the beginning of the senior year.

284. Introduction to Continuo Playing. 2 hr.; 2 cr :

Prereq.: Music 273 and permission of instructor. Introduction to the techniques of realizing a figured bass at the harpsichord. Intended for advanced players of other keyboard instruments. May be taken by Bachelor of Music piano majors to satisfy one semester of Music 286.

285. Topical Course in Performance. 285.2-2 hr.; 2 cr ; 285.3-3 hr.; 3 cr :

Prereq.: Permission of instructor.,?

286. Practical Accompanying. 286.22-2 hr.; 2 cr.; 286.23-3 hr.; 2 cr :

Prereq.: Music 283 and permission of accompaniment coordinator. Practical experience in serving as accompanist for an ensemble (e.g., concert choir), a performance course (e.g., string repertory), or student recitals. Students will be assigned responsibilities by the accompaniment coordinator. May be repeated for credit. Must be taken for two semesters by all Bachelor of Music students majoring in piano. Music 284 may be substituted for one of the required semesters.

STUDIES IN JAZZ (see also Music 291)

292. Improvisation. 3 hr.; 3 cr :

Prereq.: Music 274. A study of the theory, practice, and styles of jazz improvisation designed to develop the techniques and skills of the performer.

293. Arranging. 3 hr.; 3 cr :

Prereq.: Music 274. Planned to develop knowledge and skill in arranging and orchestrating for the jazz band, the Theatre orchestra, the television orchestra, and other performing groups. A study of recording techniques with special electronic equipment.

294. Analysis of Jazz. 3 hr.; 3 cr :

Prereq.: Music 274. Detailed analysis of selected jazz idioms and other related popular forms. Consideration of such aspects as melody, harmony, rhythm, forms, orchestration, style.

295. Jazz Composition. 3 hr.; 3 cr :

Prereq.: Music 274. The development of skills and techniques in the use of various jazz idioms and their application to individual creative expression.

296. Composing for the Musical Theatre. 3 hr.; 3 cr :

Prereq.: Music 274. The study of composition as applied to the musical Theatre. The aesthetics and idioms of recent trends.

SPECIAL PROBLEMS**150. Independent Study in Instrument or Voice. 2 cr.**

Prereq.: Audition. May be repeated for credit, up to a maximum of 8 credits. Grade of B- in Music 150 is required to repeat. For students who wish to study instrumental or vocal performance for college credit. Grade to be determined by a Queens College music faculty jury. Fall, Spring

250. Independent Study of Japanese Instruments. 2 cr.

Prereq.: Audition and interview. May be repeated for credit, up to a maximum of 8 credits. a. Koto; 5. Shakuhachi; c. Shamisen.

390. Music Bibliography. 2 hr.; 2 cr :

Prereq.: Senior standing and permission of School. 391,392. Special Problems. 391.1-391.3-1 -3 hr.; 1-3 cr.; 392.1-392.3-1-3 hr.; 1-3 cr. Prereq.: Senior standing; scholastic record that indicates capacity for independent work; permission of School of Music. Interested students should apply before the end of the sixth week of the preceding semester. Intensive study and a definite project in a field chosen by the student under the direction of a member of the School of Music. May be taken more than once provided the topic changes. Fall, Spring

PHILOSOPHY

Chair: James N. Jordan

Assistant Chair: Harvey Burstein

Graduate Adviser: Frederick Purnell

Dept. Office: Powder maker 260, 997-5270

Professors: Gildin, Jordan, Lange, Leites, Orenstein;

Adjunct Professors: Cannavo, Krzywicki-Herbert, Mullally, Schwarcz, Wolz;

Associate Professors: Cordero, Purnell;

Adjunct Associate Professor: Lermond;

Assistant Professors: Hicks, O'Connor, O'Neill, Rosenberg;

Adjunct Assistant Professor: Scapp; *Lecturer:* Burstein;

Adjunct Lecturers: Hartunian, Mattun'i, Miceli, Ostertag, Pollack, Taha;

Department Secretaries: Lesnoy, Gerken

The Content and Point of Philosophy

To study philosophy is to strive after defensible views on the basic issues of knowledge and value. Philosophy challenges one to develop consistent and reasonable positions, mindful of the work of great philosophers, on such matters as the nature and scope of human knowledge, the grounds for moral and political principles, the character of religious belief, and the methods employed by both practical and theoretical sciences. This study encourages responsible, independent thought and action; it widens one's experience by disclosing surprising alternatives to settled opinions and habitual beliefs; it champions the view that free, critical inquiry, among persons of candor and good will, is a necessary condition of a genuinely full and worthwhile life.

A major or minor in philosophy represents the finest tradition of liberal arts studies and will be of value in any vocation that prizes this tradition - for example, law, teaching, publishing, journalism, the ministry; the special sciences such as psychology, economics, history, physics, and mathematics; and such arts as language, literature, drama, and music. Students interested in these or similar fields are invited to consider a minor in philosophy, or a second major in philosophy, as a natural complement to their main specialization. From the wide variety of philosophy offerings each semester, students may select courses of particular relevance to their other work.

Types of Philosophy Courses

Philosophy 101, while not a prerequisite to the other courses, is the basic introduction to the subject. It is designed to give beginners a grasp of the various chief issues that philosophy investigates. Philosophy 120, also at the introductory level, applies philosophical methods of investigation to problems arising from current developments in politics, medicine, urban affairs, popular culture, technology, law, and the like.

Courses 103, 108, and 109 deal in general with methods of reasoning - that is, with the standards of valid argument and inference that apply in different areas of knowledge. Philosophy 103 is an elementary introduction to modern approaches to the subject; it stresses practical applications. Philosophy 108 treats the subject from the perspective of its classical heritage stemming from the logic of Aristotle; and Philosophy 109 is the course in modern formal logic, focusing on symbolic techniques for analyzing arguments and for building logical systems.

Courses 101 through 118 and 212 through 226 are field courses in the several divisions of philosophy. Each of them goes into a cluster of vital issues that arise in connection with a specific field of study represented elsewhere in the College. Look among these for courses that closely support and amplify your other work.

Courses 140 through 148 are historical. Each of them takes up selected writings of the major figures in an important period of philosophy, not simply with an eye to their historical interest, but as containing formidable arguments that philosophers of various persuasions still explore and debate today. These courses also locate the intellectual origins of notable artistic, scientific, and social developments. Modern times have presented very few totally novel philosophical issues; most have roots deep in the past, and in getting a fix on these, one gets one's bearings on the issues in their modern shapes.

Courses 260 through 272 are advanced. Each of them investigates in depth either a particular system of philosophy or a group of closely related classical or contemporary problems of special significance.

Courses 383 through 394 are seminars and tutorials that provide directed research for advanced students.

Note: Detailed course descriptions, with instructors' names, are obtainable from the Philosophy Department several weeks prior to each registration period.

The Major

The major in philosophy normally consists of 36 credits in philosophy, plus recommended courses in related fields. As a part of the 36 credits, the following courses are required: Philosophy 109, 140, 141 or 142, 143, and 383.

Under Philosophy 383 the student prepares a senior thesis, which will be graded by a supervisor chosen in consultation with the Chair.

The entire plan of the major is subject to the approval of the department concentration adviser and should be worked out in conference with the adviser and with the advice and help of the various members of the department.

The Minor

The minor in philosophy consists of 18 credits. No more than two courses from Philosophy 101, 103, and 120 may be counted. As part of the 18 credits, two courses must be taken from the history of philosophy series, Philosophy 140 through 148. Specific courses for the minor should be selected in consultation with the department's concentration adviser.

Combined B.A.-M.A. Program

This program allows the student to finish all work for both the B.A. and M.A. degrees in four years. For information and applications, contact the department's Graduate Program Adviser.

Courses

101. Introduction to Philosophy. 3 hr.; 3 cr :

Basic problems such as knowledge, reality, meaning, value, the nature of persons and their political and cultural environment are introduced through selected readings of great philosophers. Designed for beginners in philosophy. Fall, Spring

103. The Uses of Reason. 3 hr.; 3 cr :

Introduces the student to the principles of effective reasoning used in critical and constructive thought and argument. Examples are chosen from a wide variety of professional and scientific fields, ranging from journalism and literary criticism to anthropology and physics. Some sections of this course will be limited to students enrolled in the Business and Liberal Arts minor. Fall, Spring

104. Introduction to Ethics. 3 hr.; 3 cr :

An investigation of rival theories concerning moral goodness, rightness, happiness, freedom, and responsibility. Selected readings from classical and contemporary sources. Fall, Spring

105. Film/Philosophy/Politics. 3 or 4 hr.; 3 cr.

Philosophical and cinematic analysis of significant films. Special stress given to ideological and mythic functions, narrative and visual styles, and the interaction of political, aesthetic, and semiological elements. Various specific topics such as American Depression-era films; imagination and insurrection; revolutionary cinema; films of the fifties; the politics of everyday life; film aesthetics. Consult the department for current offerings May be repeated for credit provided the topic is different. Fall, Spring

106. Ideas in Literature. 3 hr.; 3 cr :

A consideration of both the relation of philosophical writings to the critical study of works of literature and the use of philosophical concepts of literature. Readings will be selected from a wide range of periods and styles. Fall, Spring

108. Classical and Traditional Logic. 3 hr.; 3 cr :

A study of classical and traditional treatments of the nature of conception, judgment, and reasoning. Methods of constructing, analyzing, and refuting the various kinds of arguments are treated, and a basic introduction to technical philosophic vocabulary is given. Fall, Spring

109. Modern Logic. 3 hr.; 3 cr :

An introduction to logic and logical techniques. The powerful method of symbolism is extensively employed. Fall, Spring

110. Culture and the Aesthetic Experience. 3 hr.; 3 cr :

The major focus will be on the development of affectivity and aesthetic sensibility as dimensions of inquiry. Roots of the contemporary transformation of consciousness will be examined. Allied problems such as self-deception, repression, alienation, and electronic mediating will be considered. Selected readings from Marx, Freud, William James, N.O. Brown, Marcuse, and Dewey.

111. The Aesthetic Tradition. 3 hr.; 3 cr :

Survey of some fundamental issues in philosophical aesthetics from the Greeks to the present. Possible topics: theories of the beautiful; the standard of taste, art, and emotion; representation and form; aesthetic descriptions and judgments; art and society.**

116. Introduction to Philosophy of Religion. 3 hr.; 3 cr :

A philosophical examination of basic concepts in religion such as God, religious meaning, faith, and religious experience. Readings will be selected from classical and contemporary sources. Fall, Spring

118. Introduction to Oriental Philosophy. 3 hr.; 3 cr :

An examination of major trends in the philosophical and religious traditions of India, China, and Japan, including such topics as the Upanishads, Vedanta, Mahayana and Theravada Buddhism, and Zen. Fall

120. Contemporary Issues in Philosophical Perspective. 3 hr.; 3 cr :

Philosophical analysis of issues of current importance and interest. Possible topics: Man and Nature; Philosophy and the Environmental Crisis; the Nature of the Person; Law, Ethics, and Medicine; Film and Politics. If offered in multiple sections, each section may be concerned with different materials. Consult the department for current offerings. May be repeated for credit provided the topic is not the same. Fall, Spring

Note: English 95 or its equivalent is the minimum corequisite for all courses (see pp. 38, 124). - offered *either* Fall or Spring; see *Class Schedule*
++ -*may be offered*; see *Class Schedule*

121. Law, Ethics, and Medicine. 3 hr.; 3 cr :

An examination of problems currently arising at the juncture of law, ethics, and medicine, for example: abortion, euthanasia, experimentation on "human subjects," mental health services in schools, and problems regarding law and psychiatry (prison psychiatry and the insanity defense, among others).

122. Philosophy and the Challenge of the Future. 3 hr.; 3 cr :

Analysis of philosophical problems raised by radical change in society and the sciences. Issues concerning such topics as personal identity, the nature of the human, and moral agency are examined with reference to recent developments in culture and technology.

123. Freedom and Responsibility.. 3 hr. 3 cr.

An examination of issues concerning human freedom and responsibility in their political, legal, and religious dimensions; the problems of moral decision in general and in situations of crisis; attention to writings of such figures as Plato, Berkeley, Bettelheim, and Bonhoeffer.

124. Philosophy and the Holocaust. 3hr.; 3cr.

An investigation of radical evil as exhibited in the Holocaust and of the philosophical issues encountered in attempts to understand or explain it. Relevance of the Holocaust to views of human nature, moral choice, and resistance.

140. History of Ancient Philosophy. 3 hr.; 3 cr :

A study of the major thinkers of the ancient period as well as the general philosophical trends in which their views arose. Special attention is given to such thinkers as the preSocratics, Plato, Aristotle, and Lucretius. Fall.

141. History of Medieval Philosophy. 3 hr.; 3 cr.

A study of the transmission of the classical philosophical heritage to the Latin, Islamic, and Jewish cultures during the Middle Ages. Selected readings from Augustine, Anselm, Eriugena, Abelard, Avicenna, Averroes, Maimonides, Aquinas, Scotus, and Ockham. Fall

142. History of Renaissance Philosophy. 3 hr.; 3 cr :

A study of the major philosophical movements in Western Europe from 1350-1600. Topics to be investigated include Humanism, Renaissance Platonism and Aristotelianism, the philosophic implications of the Protestant Reformation, the new philosophies of nature, and the rise of modern science. Spring

143. History of Modern Philosophy 1: Descartes to Hume. 3 hr.; 3 cr :

An analysis of European philosophy in the seventeenth and eighteenth centuries. Selected readings from Descartes, Hobbes, Spinoza, Leibniz, Locke, Berkeley, and Hume.

144. History of Modern Philosophy II: Kant to Nietzsche. 3 hr.; 3 cr :

A critical survey of nineteenth-century philosophy and its immediate background in Kant; examination of German idealists, their opponents, and successors. Selected readings from Hegel, Schopenhauer, Marx, Mill, Kierkegaard, and Nietzsche. Spring

145. History of Contemporary Philosophy 1:

Phenomenology and Existentialism. 3 hr.; 3 cr :

A study of the background, central problems, and representative figures of phenomenology, existentialism, and structuralism. Selected readings from Husserl, Heidegger, MerleauPonty, Sartre, and Demda.

146. History of Contemporary Philosophy II: The Analytic Tradition. 3 hr.; 3 cr :

Logical empiricism and contemporary varieties of analytic philosophy are examined through a study of such writers as G.E. Moore, B. Russell, L. Wittgenstein, R. Carnap, G. Ryle, and P. Strawson.

147. History of American Philosophy 1: Early American Philosophy. 3 hr.; 3 cr :

An examination of the Puritan tradition, Jonathan Edwards, colonial philosophy, Jefferson, evangelical thought, transcendentalism, Emerson, Henry James, Sr., and William James.**

148. History of American Philosophy II: The Pragmatic Tradition. 3 hr.; 3 cr :

An examination of Chauncey Wright and American approaches to evolutionary theory, William James, Peirce, Royce, Santayana, Dewey, and Mead.

212. Philosophy of Knowledge. 3 hr.; 3 cr :

A consideration of philosophical problems relating to the foundation, nature, and justification of knowledge. Fall

213. Metaphysics. 3 hr.; 3 cr :

An analytical and critical examination of the nature, scope, and method of metaphysics, and of the fundamental distinctions and categories employed in the study of existence and existents.

214. Philosophy of Man. 3 hr.; 3 cr :

An examination of philosophies of man in traditional and contemporary thought. The major topics are views of mind, psyche, soul, person; the mind-body problems; organic, vitalistic, mechanistic,

hylomorphic, and other views of life; the nature of experience, the impact of scientific psychology on the philosophy of man.

219. Philosophical Perspectives on the History of Science. 3 hr.; 3 cr :

An examination of selected turning points in the history of science and their philosophical significance.

221. Philosophy of History. 3 hr.; 3 cr :

Consideration of both speculative and critical philosophies of history with emphasis on the relation of history to the sciences, historical explanation, and the principle of historical selection. Selected readings from Vico, Hegel, Marx, Coilingwood, Beard, Sartre, Foucault.

222. Political Philosophy. 3 hr.; 3 cr :

An analysis of the major political philosophers from Plato to the early twentieth century. Spring

223. Philosophy of Law. 3 hr.; 3 cr :

An introduction to those basic concepts of law and jurisprudence that have been influential in the formation of legal systems. Emphasis will be given to contemporary theory and criticism.

224. Philosophy of Mind. 3 hr.; 3 cr :

Selected problems in philosophical psychology: concepts of mind; existential psychology; the mind-body problem; the nature of imagination; belief, emotion, intention, and introspection.

225. Philosophy of the Natural Sciences.

3 hr.; 3 cr :

An analysis of the meaning, structure, and implications of modern natural sciences, and an examination of some fundamental philosophical problems concerning scientific inquiry and scientific knowledge.

226. Philosophy of the Social Sciences. 3 hr.; 3 cr :

Prereq.: Junior standing or permission of instructor. A philosophical critique of the fundamental assumptions, methodologies, and controversies in current social science. Possible topics: behaviorism and its alternatives; mainstream economics versus Marxism and quantitative sociology; functionalism and alternative conceptions in sociology and anthropology.

250. Plato and the Bible. 3 hr.; 3 cr :

A comparative examination of philosophical themes in the Bible and in Greek philosophy, focusing upon conceptions of God, creation, human nature, physical and moral evil, the meaning of history, and the nature of society. Does not satisfy history of philosophy requirements for philosophy majors and minors.

251. Aristotle and Maimonides. 3 hr.; 3 cr :

An inquiry into the impact of Aristotle's philosophy upon medieval Jewish thought and experience as represented by Maimonides. Primary attention to the relation between religion and philosophy and to problems of knowledge, mind, ethics, and society. Does not satisfy history of philosophy requirements for philosophy majors and minors.

252. Existentialism and Modern Jewish Philosophy. 3 hr.; 3 cr :

An examination of the philosophies of Mendelssohn, Hermann Cohen, Martin Buber, and Franz Rosenzweig as responses to challenges presented by Kant, Hegel, Nietzsche, Sartre, and Camus. Emphasis on themes of religion and ethics, the individual and the state, freedom and responsibility, alienation and the meaning of Jewish existence. Does not satisfy history of philosophy requirements for philosophy majors and minors.

260. Readings in Contemporary Ethical Theory. 3 hr.; 3 cr :

An advanced course in ethics involving an intense study of a limited number of texts. Emphasis is given to contemporary philosophers, but a continuous effort is made to place these thinkers in the larger context of Western philosophy.

261. Advanced Problems in Philosophy of Religion. 3 hr.; 3 cr :

An examination of some of the major problems in contemporary religious thought. Possible topics: the existence of God; the nature of faith; mysticism; the problem of evil; philosophical aspects of eschatology; the impact of science on religion.

262. Recent Continental Philosophy. 3 hr.; 3 cr :

Possible topics: the philosophy of language, the human body, theories of consciousness, Husserl's logical studies. Consult department for current offering and suggested prerequisites.

263. Marx and the Marxists. 3 hr.; 3 cr :

A critical examination of central philosophical doctrines of Marx and Engels and their various interpretations and applications by Western, Soviet, and East European Marxists. Fall

264. The Philosophy of Plato. 3 hr.; 3 cr :

A critical examination of the major dialogues of Plato. Though the main emphasis will be placed on the content of the dialogues, they are examined in the light of their setting - the Athenian world of Plato's day - and their relevance to the problems of that world.**

265. Philosophy of Language. 3 hr.; 3 cr :

A consideration of philosophical problems relating to language. Problems concerning meaning and reference, signs and symbols, verifiability and literal and nonliteral meaning are treated mainly in terms of contemporary thinkers.**

266. Problems in Logical Theory. 3 hr.; 3 cr.

Prereq.: Philosophy 109 or its equivalent. An examination of selected topics from a philosophical and logical point of view. Representative topics may be indicated by the following: ontology and the languages of logic, syntax, semantics, and pragmatics; logic set theory and mathematics; paradoxes and proposed solutions; distinctions and definitions; metatheoretical issues; and the nature of logical truth.

267. Contemporary. Metaphysics. 3 hr.; 3 cr :

Selected advanced problems from twentieth century sources. Possible topics: theories of being and reality; the status of individuals; identity and reference; universals; relations; qualities; matter; space and time.**

270. Major Philosophical Thinkers. 3 hr.; 3 cr :

An extensive study of one great philosophical author or movement. The subject of the course will vary with the instructor and year. Current information may be obtained from the department. May be repeated for credit provided the topic is different.

271. Nietzsche: Nihilism and Beyond. 3 hr.; 3 cr :

An examination of the philosophy of Nietzsche with particular reference to these key themes: the critique of Western civilization, the loss of absolutes, the will to power, the role of creativity, the transvaluation of values, the encounter with "nothingness," the "new" human, the critique of traditional morality and religion.

272. Problems in Philosophy. 3 hr.; 3 cr :

A detailed examination of a significant philosophical problem. The content of this course varies with the instructor and year. Current information may be obtained from the department. May be repeated for credit provided the topic is different.**

383. Research Paper. 3 hr.; 3 cr :

Prereq.: Senior standing and an approved undergraduate major in philosophy. Intensive research leading to the writing of a paper on a topic approved by the department; the final examination will consist of an oral defense of the paper. Fall, Spring

393, 394. Honors Seminar. 3 hr.; 3 cr :

Prereq.: Permission of department. Gives students of advanced standing an opportunity to engage in the detailed examination of the work of a major thinker or group of thinkers. The topic of the seminar varies from semester to semester and is chosen in consideration of the student's needs

and interests. The following list is representative of the seminar: Aristotle, Augustine, Aquinas, Scotus, Spinoza, Kant, Hegel, the British Empiricists, the Continental Rationalists, the American Pragmatists, the Logical Positivists, the Existentialists. The seminar involves individual work in close cooperation with a member of the department and occasional meetings.

The following graduate courses are open to qualified undergraduates with permission of the department.

620. Advanced Logic. 2 hr. plus conf.; 3 cr :

Prereq.: An introductory course in symbolic logic or its equivalent. The methodology and foundations of deductive systems: propositional and predicate calculi, axiomatics, theory of types, modal logics, multivalued logics, logic of relations, etc.**

621. Logic and Language. 2 hr. plus conf.; 3 cr :

Logical and philosophical questions concerning the structure and function of language.

651. Philosophy of Law. 2 hr. plus conf.; 3 cr :

An analysis of philosophical problems relevant to legal concepts and theories. Relation of ethics to legal concepts of rights and duties. The nature of law, the logic of evidence, and procedural principles.**

652. Philosophy of History. 2 hr. plus conf.; 3 cr :

Selected topics in the philosophy of history. Typical questions are monistic and pluralistic, materialistic and idealistic concepts of history; historicism; problems of methods and the role of ideas, explanation, interpretation, evidence, and value judgments; analysis of such basic concepts as causation, progress, and Zeitgeist.

653. Philosophy of the State. 2 hr. plus conf.; 3 cr :

A critical study of major philosophic theories of the State, with attention to the distinction between factual and valuational elements, and the analysis of the methods and language of political science.

654. Philosophy of Religion. 2 hr. plus conf.; 3 cr :

A study of selected topics in the philosophy of religion: the ideas of God, immortality, good and evil, and the nature of man in some of the major philosophies of religion, the social role and context of religion.**

PHYSICS

Chair: Kenneth R. Rafanelli

Deputy Chair: Jacob Neuberger

Graduate Advisers: J. Marion Dickey, Narciso Garcia, Azriel Genack

Pre-Engineering Adviser: Lawrence Ferrari

Physics Major Adviser: Paul Baum

Dept. Office: NSB B334, 997-3350

Professors: Cadieu, Dickey, Ferrari, Fischer, Garcia, Genack, Neuberger, Orenstein, Rafanelli;

Adjunct Professors: Heald, Strongin;

Associate Professors: Baum, Klarfeld, Lisiansky, Miksic, Rafallovich, Sokolov;

Adjunct Lecturers: Gangji, Kunzler;

Graduate Assistants: Faktorovich, Finkel, Francischelli, Frank, Hayakawa, Huang, Kudinov, Li, Z., Livdan, Nicolaides, Polkosnick;

Research Associate: Hegde;

Research Assistants: Chen, Deng, Hu, Jayanetti, Li, J., Liu, Navarathna, Rani, Samarasekara, Sunil, Tang, Wu, Xia, Zhao W., Zhao X., Zheng;

College Laboratory Technicians: Bunch, German, Kohl, Kuhner, Ozimkowski;

Department Secretary: Allen

The Major

The Physics Department offers a single track for the major, which gives a sound background in the broad spectrum of physics. Classical as well as modern physics is included in a curriculum that contains several laboratory courses. Students are encouraged to take advanced mathematics courses beyond those required for the major in physics.

After completing Physics 145 and 146, all physics majors take Physics 233,234, 237,242, 311,312, 355,360, 377 or 378, and 625. In addition, one other physics elective should be chosen from any of the following courses: 225,221,366, or, by special permission, 601,635, 701, 711, 715, and 725.

The math requirements are the calculus sequence through Math 201. A student who has started as a nonphysics major and taken 121 and 122, 103 and 104, or 116, 117, and 118, is requested to see the Chair before starting intermediate courses in physics.

The Minor

The minor program is designed to give an understanding of both modern and classical physics to interested students. The sequence consists of the following set of courses: Physics 121,122 (or 145, 146), 207, 237, 242 or 311, and one other physics elective.

Combined B.A.-M.A. Program

Truly outstanding majors are able to participate in the B.A.-M.A. program upon recommendation of the Department Chair.

Physics Education

In conjunction with the Department of Secondary Education, the Department of Physics offers a Physics Education Major. The education courses are specified by the Secondary Education Department and the physics requirements are similar to those for the minor, with the addition of General Astronomy 1.

Honors and Awards

The Department of Physics offers the Paul Klapper Physics Prize and the Physics Prize to outstanding students graduating with honors in physics. In addition, departmental honors are awarded each Spring semester to students who have excelled in either experimental or theoretical physics. The awards are based on faculty recommendations to the Chair.

Pre-Engineering Program

The Pre-Engineering Program is organized by the Physics Department and the Department gives advice to PreEngineering students. For more details refer to Engineering Combined Plans/PreEngineering on page 41.

Courses

1. Conceptual Physics. 2 lec., 2 rec., 2 lab. hr; 4 cr :

Prereq.: 1 lth-year mathematics or equivalent, or Mathematics 6. This course is designed for non-science majors. Topics include mechanics, heat, electricity and magnetism, and modern physics. The course emphasizes a conceptual understanding of the material rather than computational problem solving, although some computation will be required. The objective is to develop an analytical way of thinking. Not open to students who have received credit for Physics 103, 121, or 145.

7. Introduction 10 the Physics of Musical Sounds. 3 hr.; 3 cr :

A course for liberal arts students who have an interest in music and sound. Physical phenomena that relate to music and sound will be presented. Topics include origins and nature of sound waves, speech and hearing, musical instruments, electronic music, auditorium acoustics, recording, reproduction and transmission of sound, and selected special topics. Laboratory and demonstration devices are available for illustration of pertinent concepts. Fall, Spring

8. Energy and Electric Power in the Environment. 3 hr.; 3 cr :

Facts and scientific laws bearing on the controversy about the use of energy and electric power. Topics include effects of population and economic growth, advantages and disadvantages of various energy systems including fossil, nuclear, hydroelectric, solar, geothermal, and tidal power. The physics underlying these systems is studied as well as the environmental impact. Not open to students who have received credit for Physics 121 or 145.

9. Physical Science for Non-Science Students. 3 hr.; 3 cr :

A course on physical principles designed for non-science majors who do not have a good science background. The course develops an understanding of the atomic nature of matter through experiments rather than by problem solving. Not open to students who have received credit for Physics 121 or 145.

10. Introduction to the Physical Sciences. 3 hr.; 3 cr :

For students in the humanities and social sciences. Treats the progress that has been made in understanding the physical universe. Evolution of the major principles of physics. Not open to students who have received credit for Physics 121 or 145.

11. Physics and the Visual Arts. 3 hr.; 3 cr.

For students interested in methods used for the physical authentication of works of art. Dating techniques; radiography; photographic process, X-ray radiography, ultraviolet reflectance, infrared photography, neutron activation auto radiography; destructive and nondestructive analysis of chemical elements; specific applications to problems of forgeries and restorations.

14. Conceptual Content of the Physical Sciences. 3 hr.; 3 cr :

A discussion of the nature, purpose, and genesis of current physical theory. The treatment, largely historical and mostly qualitative, focuses on the basic conceptual elements and their interrelationships. It includes such topics as the evolution of the concepts of space and time; gravitational and inertial mass; the Newtonian structure and the Galilean principle of Special Relativity and the Einstein revision of the Newtonian Structure; quantum theory and the indeterminacy principle and the elementary particles; the Theory of General Relativity; cosmological theories. Not open to students who have received credit for Physics 121 or 145.,4'

103. Physics for Computer Science 1. 3 lec., 1 rec., 2 lab. hr.; 5 cr :

Coreq.: Mathematics 102 or 112. Basic concepts of classical physics: Newtonian mechanics, thermodynamics, and electromagnetic theory. Fall, Spring

104. Physics for Computer Science II. 3 lec., 1 rec., 2 lab. hr. (every other week); 4 cr :

Prereq.: Either Physics 103, I 18, 122, or 146. Introduction to electromagnetic waves, modern physics, solid state and digital electronics. Fall, Spring

116. General Physics. 2 lec., 2 rec. hr.; 3 cr.

Prereq. or coreq.: Mathematics 101 or 11 I. The first part of a three-semester sequence (Physics 116, 117, 118) for pre-engineers and science majors, covering the same material as Physics 145 and 146. Not open to students who have passed Physics 121 or 145.

117. General Physics. 2 lec., 2 rec., 3 lab. hr.; 4 cr :

Prereq.: Physics 116; coreq.: Mathematics 102 or 112. A continuation of Physics 116. Not open to students who have passed Physics 121 or 145.

118. General Physics. 2 lec., 2 rec., 3 lab. hr.; 4 cr :

Prereq.: Physics 117; coreq.: Mathematics 103 or 112. Physics 121 or 145 does not satisfy the prerequisites. A continuation of Physics 117. Not open to students who have passed Physics 122 or 146.

121. 122. General Physics. 2 lec., 2 rec., 2 lab. hr.; 4 cr :

each sem. Prereq. or coreq.; For Physics 121, Mathematics 102 or 111; prereq. for Physics 122, Physics 121 or 145 and either Mathematics 103 as coreq. or Mathematics 112 as prereq. First semester: the fundamental principles and laws of mechanics, thermodynamics, kinetic molecular theory, and sound. Second semester: electricity, magnetism, optics, and modern physics. Elementary calculus introduced and used when necessary. Fall, Spring

145. 146. General Physics. 2 lec., 3 rec. 2 lab. hrs; 5 cr :

each sem. Prereq. or coreq.: For Physics 145, Mathematics 102 or 112; prereq. for Physics 146, Physics 121 or 145 and either Mathematics 103 as coreq. or Mathematics 112 as prereq. For students who plan to study engineering or major in physics. The topics treated are the same as in Physics 121 or 122, with somewhat greater coverage and more applications. Fall, Spring

207. Introduction to Modern Physics for Engineers. 3 hr.; 3 cr :

Prereq.: Physics 122, 146, or 118. An introductory course in the ideas and experiments leading to the Relativity and Quantum theories and to our present models of atoms, nuclei, molecules, and the solid state.

213. Medical Physics. 3 hr.; 3 cr :

Prereq.: Physics 121 or 145, and permission of instructor; coreq.: Physics 122, 146, or 118. Designed for pre-med students and science majors. A study of the physics of physiological processes and external probes. Topics covered are Newtonian and non-Newtonian fluids, the nerve impulse, muscle and bone, heart motion and circulation, ultrasonics, nuclear medicine, and cryosurgery.

221. Wave Motion. 3 hr.; 3 cr :

Prereq.: Physics 122, 146, or 118. Selected topics drawn from the principal areas of physics are used to introduce the fundamentals of wave motion.

225. An Introduction 10 Solid State Electronics. 3 rec., 3 lab. hr.; 4 cr :

Prereq.: Physics 122, 146, or 118. An introduction to the physical properties of thermionic and solid state electronic devices. Fall, Spring

230. Mechanics for Engineers. 3 hr.; 3 cr :

Prereq.: Physics 122, 146, or 118; coreq.: Mathematics 201. The fundamental principles of statics and dynamics and their application to the problems involving particles and systems of particles including rigid bodies. Spring

233, 234. Intermediate Methods of Mathematical Physics. 3 hr.; 3 cr :

each sem. Prereq.: Physics 118, 122, or 146; coreq.: Mathematics 20 I. Provides the undergraduate with specific mathematical methods used in advanced elective courses in physics. 233-Spring, 234-FALL

237. Mechanics 1. 4 hr.; 4 cr :

Prereq.: Physics 122, 146, or 118, Mathematics 201; coreq.: Physics 233 or 234. A development of Newtonian mechanics using vector algebra. Fall

238. Mechanics 11. 3 hr.; 3 cr :

Prereq.: Physics 237 and an approved mathematics background.

242. Thermodynamics. 3 hr.; 3 cr :

Prereq.: Physics 122, 146, or 188; coreq.: Mathematics 102 The theory of heat and the thermal properties of materials. Recommended to majors in chemistry in preparation for the study of physical chemistry. Spring

311,312. Electromagnetism. 3 hr.; 3 cr :

each sem. Prereq.: For Physics 311, Physics 118, 122, or 146 and 233; prereq. for Physics 312, Physics 234 and 311. Two-semester course. Physics 311: introduction to electric and magnetic fields and A.C. and D.C. circuit theory; Physics 312 covers additional A.C. theory, Maxwell's equations, and propagation and radiation of electromagnetic waves. 311 -Fall, 312-Spring

322. Applied Optics. 3 hr.; 3 cr :

Prereq.: Physics 221, 312, a one-semester laboratory course at the 200 level or above. The principles underlying the operation and application of optical instruments: spectrometers, telescopes, lasers, etc.

355. Classical Physics Laboratory 1. 4 hr.; 2 cr :

Prereq. or coreq.: Physics 311,237. A basic course in laboratory techniques, intended to teach the basic tools of experimental methods in physics. Experiments drawn from electricity and magnetism, mechanics, heat, and optics. Required of all physics majors. Fall

360. Introduction to Atomic and Nuclear Physics. 4 hr.; 4 cr :

Prereq.: Physics 234 and 237; coreq.: Physics 312. An introduction to quantum and nuclear physics and the principles of special relativity. The objective is to explain the experimental basis for the transition from classical to modern physics. +

366. Classical Physics Laboratory II. 4 hr.; 2 cr :

Prereq.: Physics 355. A sequel to Physics 355, but optional for physics majors.

377, 378. Modern Physics Laboratory I, 11. 4 hr.; 2 cr :

each sem. Prereq.: Physics 355 or permission of instructor. Experiments are drawn from atomic, nuclear, solid state physics, modern optics, and electronics. Either Physics 377 or 378 is required of physics majors. Spring

381. 382. Seminar. 381.1-3 hr. lab.; 1 cr :

; 381.2-2 hr. lec.; 2 cr :
; 381.3-2 hr. lec., 3 hr. lab.; 3 cr :
; 382.1-3 hr. lab.; 1 cr :
; 382.2-2 hr. lec.; 2 cr :
; 382.3-2 hr. lec., 3 hr. lab.; 3 cr :

Prereq.: Permission of department. Selected topics of current interest.

391,392, 393. Special Problems. 3913 hr.; 1 cr : ; 392-6 hr.; 2 cr :; 393-9 hr.; 3 cr :

Prereq.: Permission of department. Open to a limited number of physics majors. Each student accepted works on a minor research problem under the supervision of a member of the staff. The following graduate courses are open to qualified undergraduate students with permission of department.

601. Introduction to Mathematical Physics. 3 hr.; 3 cr :

Prereq.: A course in mechanics and an approved mathematics background. Selected topics in mechanics, thermodynamics, electrostatics, magnetostatics, the electromagnetic field, and the restricted theory of relativity. The mathematical methods developed include such topics as linear and partial differential equations, the calculus of variations, normal and curvilinear coordinates, expansion of a function as a series of orthogonal functions, vector, tensor and matrix analysis.

611. Analytical Mechanics. 3 hr.; 3 cr :

Prereq.: An undergraduate course in mechanics and an approved mathematics background. A course in particle mechanics emphasizing symmetry and conservation laws, group theory and the relation to quantum mechanics.

612. Fluid Dynamics. 3 hr.; 3 cr :

Prereq.: Physics 233,234, or Mathematics 310, 223 (or 328), and Physics 122 or 146, or permission of department. A macroscopic description of the physical properties of fluids. Topics include fluid equations for inviscid compressible and incompressible flow; wave propagation; shock waves and related discontinuities; stability and turbulence, and selected topics.

615. Electromagnetic Theory. 3 hr.; 3 cr :

Prereq.: An undergraduate course in electromagnetism and an approved mathematics background. Electrostatic and magnetostatic boundary value problems; systematic derivation of differential form of Maxwell's equations in vector notation. Plane electromagnetic waves. Wave guides and cavity resonators. Spherical electromagnetic waves. Huyghens' principle.

621. Electronics. 3 hr.; 3 cr :

Prereq.: An undergraduate course in electromagnetism and modern physics. Physical principles underlying operation of solid state, vacuum, and gaseous electronic devices; theory of rectifier, amplifier, and oscillator circuits; introduction to digital circuitry. Spring

Note: English 95 or its equivalent is the minimum corequisite for all courses (see pp. 38, 124).
+ -offered *either* Fall or Spring; see *Class Schedule ++ -may be offered*; see *Class Schedule*

625. Introduction to Quantum Mechanics. 3 hr.; 3 cr :

Prereq.: A course in modern physics and an approved mathematics background. Planck, Einstein, Compton, and the light quantum. The Bohr atom, Bohr-Sommerfeld quantum conditions, and interpretations by de Broglie waves. Solutions of problems, including the free particle, particle in box, the harmonic oscillator and the hydrogen atom. Waves and the uncertainty principle. The Schrodinger equation and the solution of the above problems. Transmission through a potential barrier. Spin, identity of particles, exclusion principle, statistics, exchange phenomena. Fall

626. Atomic Physics and Quantum Mechanics. 3 hr.; 3 cr :

Prereq.: Physics 625. Continuation of 625.

635. Introduction to Modern Physics I. 3 hr.; 3 cr :

Prereq.: A course in modern physics; coreq.: Physics 625. An introduction to molecular and solid state phenomena. Molecular structure and spectra of diatomic molecules, quantum theory of chemical bonding and dipole moments, crystal structure, lattice dynamics, free electron theory of metals, band model of metals, insulators and semiconductors.

636. Introduction to Modern Physics II. 3 hr.; 3 cr :

Prereq.: A course in modern physics; coreq.: Physics 625. The experimental facts and elements of the quantum theories pertaining to natural and artificial radioactivity; interaction of charged particles and gamma rays with matter, nuclear structure; emission of alpha, beta, and gamma rays; nuclear reactions and models; the nuclear force; neutron processes; muons; pions, strange particles.

641. Statistical Physics. 3 hr.; 3 cr :

Prereq.: Undergraduate courses in advanced mechanics and advanced thermodynamics. Maxwellian distribution of velocities, molecular motion and temperature; elementary theory of the transport of momentum (viscosity), energy (heat), and matter (diffusion). Entropy and probability; Maxwell-Boltzmann statistics; equipartition of energy and classical theory of heat capacity of gases and solids; Bose-Einstein and Fermi-Dirac statistics; quantum theory of paramagnetism. '

645. Solid State Physics. 3 hr.; 3 cr :

Prereq.: Physics 625. Crystal structure and symmetry; crystal diffraction; crystal binding; phonons and lattice vibrations; thermal properties of insulators; free electron theory of metals; energy bands; Fermi surfaces; semiconductors; selected topics in superconductivity, dielectric properties, ferroelectricity, magnetism.

651. Foundations of Physics. 3 hr.; 3 cr :

Prereq.: Physics 625. The course presents the fundamental physical principles and concepts in a manner intended to show the inter relatedness of the various basic courses given in the undergraduate curriculum: classical and quantum mechanics, electromagnetic theory,

phenomenological and statistical thermodynamics, and the principle of special relativity. The treatment provides historical and philosophical perspective. Some of the specific topics discussed are the nature of space and time, concepts of force, mass, and inertia, action-at-a-distance and field theories, indeterminateness, the role of probability, and the unidirectional character of time, the foundations of special and general relativity, symmetry principles and conservation theorems, the dimensionless numbers and cosmological considerations. The unsettled character of all the topics discussed is emphasized.

657. Introduction to Astrophysics. 3 hr.; 3 cr :

Prereq.: Undergraduate courses in mechanics, electromagnetism and modern physics.

An introductory study of the spatial positions, movements, and constitutions of the stars, star clusters, and nebulae.

661,662. Computer Simulation of Physical Models. 3 hr.; 3 cr :

each sem. Prereq.: A course in differential equations or intermediate methods of mathematical physics. A seminar course in which computer programming will be used to obtain solutions of a wide variety of interdisciplinary problems such as the queuing problem in traffic flow, population dynamics, cell proliferation and death, Fourier optics, radiation shielding and safeguards, atomic motion in crystals and liquids. F,

COURSES IN ASTRONOMY

1. General Astronomy. 3 hr.; 3 cr :

Prereq.: Not open to students who have passed Astronomy 2. Introductory course. Includes discussions of positions, motions, composition, and evolution of the planets, stars, and clouds of interstellar matter and the manner in which this information is obtained. Fall, Spring

2. General Astronomy with Laboratory. 3 lec., 3 lab. hr.; 4 cr :

Prereq.: Not open to students who have passed Astronomy 1. Introductory course. Includes discussions of positions, motions, composition, and evolution of the planets, stars, and clouds of interstellar matter and the manner in which this information is obtained. The laboratory includes analysis and interpretation of astronomical data and observations. Fall, Spring

COURSES IN DRAFTING

Drafting 3. Engineering Drawing. 4 hr.; 2 cr :

Fall, Spring

Drafting 4. Descriptive Geometry. 4 hr.; 2 cr :

Prereq.: Drafting 3. Fall, Spring

Note: English 95 or its equivalent is the minimum corequisite for all courses (see pp. 38. 124). - offered *either* Fall or Spring; see *Class Schedule*

++ *-may be offered*; see *Class Schedule*

POLITICAL SCIENCE

Chair: Patricia Rachal

Graduate Adviser: Irving Leonard Markovitz

Dept. Office: Powder maker 360, 997-5470

Professors: Altenstetter, Gerassi, Hacker, Maneli, Markovitz, Ofuatey-Kodjoe, Psomiades, Schneider, Zwiebach;

Associate Professors: Bowman, Hevesi, Krasner, Nesbitt, Priestley, Rachal, Resnik;

Assistant Professor: Sun;

Lecturers: Agbeyegbe, Milchman; *Dept.*

Secretaries: Braun, Sileo;

Professors Emeriti: Bailey, Morton, Tung

Courses in the Department of Political Science are designed to give the student, whether major or nonmajor, a basic understanding of the human relationships of power and conflict and the systems and processes of the state and the government as institutions within society. The department's offerings are divided into the following categories: A) American Politics, B) Comparative Politics, C) International Politics, D) Political Theory and Methodology.

Political science provides the background desired for graduate work; for careers in government service, education, journalism, law, or international agencies; and for staff work with research agencies, political parties, interest groups, business enterprises, trade associations, and labor organizations. Political science is also a liberal art and an appropriate major for students whose career interests are indefinite.

The Major

Requirements for the major are in the following two categories:

- A) 30 credits in political science, including *three* of the following courses: Political Science 100, 101, 103, 104, and 105; and a seminar plus 18 elective credits in political science courses. The introductory course in each category is, on principle, a prerequisite for the intermediate courses and seminars in each category. Exemptions from this rule may be given by the adviser with the concurrence of the instructor.
- B) A minimum of 9 hours must be taken in one or in several of the following departments: Anthropology, Economics, History, Philosophy, Psychology, Sociology, and Urban Studies, with the permission of the department. By the upper sophomore year, political science majors should have worked out a comprehensive course of study in political science with their faculty adviser before registering for more political science courses. Transfer students who plan to major in political science should take a minimum of 18 credits in the department regardless of the number of political science credits earned at other institutions.
- Students should consult the department's *Student Handbook* for a detailed description of courses offered each semester.

Joint Majors

Political Science and Communications This program in public affairs includes 36 hours in the two departments concerned: 18 hours each in Political Science and Communication Arts and Sciences. The political science requirements include *three* of the following: Political Science 100, 101, 103, 104, and 105; and a seminar for a total of 12 credits; plus 6 hours of electives in political science. For further requirements of the joint major, see Department of Communication Arts and Sciences in this *Bulletin*.

Department adviser: Prof. Psomiades

Political Science and Latin American Area Studies

Students interested in Latin America may take this joint major, which includes 24 credits in the Political Science Department. The specific course requirements are *three* of the following: Political Science 100, 101, 103, 104, and 105; 239 and 259; and a seminar. They must also take 27 credits in other areas and language courses. A reading proficiency test in Portuguese and Spanish must be passed prior to graduation. For further requirements of the joint major, see Latin American Area Studies in this *Bulletin*.

Department adviser: Prof. Schneider

The Minor

The minor in political science consists of 18 credits, including two of the first five courses (introductory courses), and at least three upper-level courses. No seminar is required, but if taken it will be credited toward the minor. Only 6 transfer credits will be credited toward the minor. Changes in courses may be made at any time.

Courses

1. INTRODUCTORY

The courses listed below are introductions to the major fields of political science and are offered each semester. Majors should complete these courses by the end of their sophomore year.

100. American Politics and Government. 3 hr.; 3 cr :

An analytical study of American national government with special attention to its structure and operation; functions of the President, Congress, the Judiciary; activities of the federal government in promoting the welfare of the people. Fall, Spring

101. Principles of Political Science. 3 hr.; 3 cr :

An analytical study of the basic concepts of political science including power, conflict, coercion; the state and the government. Will also include a basic introduction to methodology and research techniques. Fall, Spring

103. Comparative Politics. 3 hr.; 3 cr :

A comparative analysis of political institutions, processes, and cultures. The political systems of selected countries will be illustrative case studies of the comparative approach. Fall, Spring

104. International Politics. 3 hr.; 3 cr :

An examination of the nature of international society (nationalism, state sovereignty, balance of power) and the sources of conflict and tension among nation states. After a consideration of the elements of power (geopolitical, economic, ideological, demographic, and technological), deals with the role of international organization and law, collective security and regionalism as "controls" on the use of power. Attention to the implications of the transitional aspects of world politics (e.g., the rise of new nations, population expansion). Fall, Spring

105. Political Theory. 3 hr.; 3 cr :

Introduction to the nature, types, and problems of political theory. Core of readings consists of selections from classic works of political theory and philosophy. Fall, Spring

209. Special Topics in Political Science. 3 hr.; 3 cr :

Topics to be announced. Fall, Spring

11. INTERMEDIATE

A. AMERICAN POLITICS

210. American State and Local Government. 3 hr.; 3 cr :

Emphasis on development of executive power, legislative process, role of political parties and interest groups, changing character of urban government. Fall

211. Urban Politics. 3 hr.; 3 cr :

A survey of the phenomena of the modern-day metropolis with emphasis on urban needs, government organization and administration, politics; political processes, and the interrelationships between the city and the suburbs. Spring

212. The American Presidency. 3 hr.; 3 cr :

An analytical study of the office and powers of the President as chief of state, head of its executive branch, commander-in-chief of its armed forces, director of its foreign policy, and his role as legislator, party leader, and spokesman of the nation. The concept of the presidency and the achievements of the presidents will be particularly examined. Fall

213. The Legislative Process in America. 3 hr.; 3 cr :

An examination of the structures and functions of legislative bodies, with particular emphasis on the United States. Fall

214. The Judicial Process. 3 hr.; 3 cr :

An examination of courts as political and governmental institutions. Rules of law, procedure, court decisions, and concept of jurisprudence discussed only when directly relevant. Emphasis on judicial recruitment, politics of judicial settlements, legal values and judicial decisions, political and social attributes and attitudes in judicial decision-making, and the impact of judicial decisions. Fall

215. Constitutional Law 1: The American Federal Scheme. 3 hr.; 3 cr :

An examination of basic issues of federalism, national and state power, and the separation and distribution of national power involved in the American scheme of checks and balances. Fall

216. Constitutional Law II: The Rights of the Citizen. 3 hr.; 3 cr :

An exploration of the safeguards to the liberty and property of the citizen involved in the American concept of inalienable rights. Spring

217. Decision-Making in the White House. 3 hr.; 3 cr :

This course examines presidential decisionmaking and how it has varied among recent presidents.

218. Political Parties and Electoral Problems. 3 hr.; 3 cr :

An analysis of the place of public opinion in politics; techniques of political propaganda; functions of pressure groups; current political issues in relation to public opinion. Spring

219. Politics of Bureaucracy. 3 hr.; 3 cr :

An analysis of the organization and functioning of public and private bureaucracies, including a general survey of the theory and practice of administration. Case studies will compare the functioning of actual agencies with administrative theory.

220. Politics and the Media. 3 hr.; 3 cr,

A study of the relationship between the media and political consciousness (the way we think and feel about politics), focusing on the news: its contents, the way people perceive and use that content, and the way politically active people attempt to influence that content.

221. Public Policy in the Political Process. 3 hr.; 3 cr :

Study of one or more public issues. Will focus on both the process of decision-making and evaluation of policy. May be repeated if different fields of public policy are being covered. Fall, Spring

222. Power in America. 3 hr.; 3 cr :

An examination of the structure of power of American society and its relation to political ideas and processes. Fall, Spring

223./Urban Studies 223. Introduction to Public Administration. 3 hr.; 3 cr :

Analysis of the theoretical basis for administration, philosophies of administration. Description of the tools of administration and the relationship of administrative organization to other institutions in modern society. Spring

224. The Public Service. 3 hr.; 3 cr :

The problems of recruiting, organizing, and providing administrative leadership for the personnel required to administer modern government and to plan and carry out an ever widening range of public programs and services. Will also stress the public service as a career. Fall

225. Politics and Administration of Industrial Regulation. 3 hr.; 3 cr :

An investigation of the objectives, institutions, and major processes of regulatory power from the political point of view; special emphasis on the work of independent regulatory commissions and government corporations, assistance to business, and public ownership.

226. Democracy and Economic Power. 3 hr.; 3 cr :

This course deals with the interaction between the political and economic institutions of capitalist democracies. Topics covered include the relationship between capitalism and democracy, and between democracy and inequality, as well as the politics of economic policy in advanced capitalist societies.

227. Revolution, Politics, and Film. 3 hr.; 3 cr.

This course combines the traditional tools of political science and history with the additional perspective of film to help us understand some of the major revolutions of the 20th century. Among the revolutions studied will be the Russian, German, Cuban, Chilean, and Algerian.

228. American Politics and Film. 3 hr.; 3 cr :

This course will focus on selected American films, from the 1920s to the present, to examine the social and cultural ideas and attitudes that underlie American political and economic structures. It will also examine the influence of the media on the American political world.

229. Colloquium in American Politics. 3 hr.; 3 cr :

Topics to be announced. No student is permitted to enroll in more than one colloquium in each semester. Spring

B. COMPARATIVE POLITICS**230. Political Parties and Party Systems. 3 hr.; 3 cr :**

A theoretical and empirical examination of the major issues surrounding political parties.

231. Political Culture and Political Socialization. 3 hr.; 3 cr :

The effect on political systems and behavior of such phenomena as fundamental moral concerns and value systems, class structures, and folk practices; development of the individual's orientation to political action and institutions.

232. Comparative Political Economy. 3 hr.; 3 cr.

Effects of economic structures and practices on the political and social systems.

233. Comparative Administrative Systems. 3 hr.; 3 cr :

An analytical examination of the theory and practice of the national administrative institutions of selected countries.

234. Politics and Government of Europe. 3 hr.; 3 cr

Analysis of contemporary European political institutions and processes. Selected countries to be announced.

235. Politics and Government of the Union of Soviet Socialist Republics. 3 hr.; 3 cr :

Role of Marxism-Leninism in Soviet politics; role of the Communist Party in Soviet government and society. Attention to the nature of the totalitarian system and how political, economic, and social change is effected within it, Fall

236. The Politics of Development. 3 hr.; 3 cr.

Politics and government in the underdeveloped areas of Africa, Asia, Latin America, and the Middle East. Stress on the interaction of political, social, and economic forces. Attention to foreign policy problems, Fall

237. Politics and Government of Africa. 3 hr.; 3 cr :

Primary focus on the dynamics of societies in transition in "Sub-Saharan" Africa from colonial dependency to independence, and from traditional tribal units to modern nations. Spring

238. Politics and Government of East Asia. 3 hr.; 3 cr :

A survey of the political development and government institutions of the states in the Far East, chiefly China and Japan; analytical study of their historical background and foreign relations.

239. Politics and Government of Latin America. 3 hr.; 3 cr :

A study of the political reality of the Latin American countries through their constitutional organization and the actions and attitudes of power blocks within society. The role of political parties, dictatorship and *caudillismo* constitutional government, and democracy. Fall

240. Politics and Government of the Middle East. 3 hr.; 3 cr :

A survey of Middle Eastern governments, political processes, and political group behavior.

241. Formation of the Modern Greek State. 3 hr.; 3 cr :

Prereq.: Political Science 101 or 103, or History 239 or 240 recommended. Political and institutional development in Greece from the Revolution of 1821 to the Lausanne settlement of 1923. Topics to be included are: political culture, nation building, and political socialization, including clientelist politics, interest groups, and the formation and development of Greek political parties. The external factor in Greek domestic and foreign policy; nationalism, and the dominance of foreign policy over domestic politics.

242. Puerto Rican Political and Social Movements. 3 hr.; 3 cr :

A survey of political and social organizations and movements in Puerto Rico and the United States. This course seeks to analyze the sociopolitical conditions that gave rise to these various movements and groups and their impact on the evolution of the Puerto Rican people.

243. Politics and Government in Central America. 3 hr.; 3 cr :

An examination of the social, economic, and cultural forces that shape the political processes of Central American societies, including the application of political theories of Central American and foreign writers.

244. Comparative Analysis of Revolutions. 3 hr.; 3 cr :

The purpose of this course is to identify, describe, and analyze models of revolution. The object will be to show where and why revolutions are likely, the conditions under which they have succeeded in the past, and the forces that play determinant roles.

245. Politics of Terrorism. 3 hr.; 3 cr :

A study of terrorism as practiced by governments, political parties, and small groups or individuals, including rationales, methods, justifications, and effects of terrorism by different agencies. Terrorism on an international scale will be studied in the context of global political and economic rivalries.

249. Colloquium in Comparative Politics. 3 hr.; 3 cr :

Prereq.: Permission of instructor. Topics to be announced. No student is permitted to enroll in more than one colloquium each semester. Fall, Spring

C. INTERNATIONAL POLITICS**250. International Law. 3 hr.; 3 cr :**

An examination of the traditional and prevailing rules of international law governing relations among states and other international persons; special emphasis on recognition, succession, international treaties, and state jurisdiction over land, water, and aerial space. Spring

251. International Organization. 3 hr.; 3 cr :

After a brief treatment of the historical background of international organization and attempts to maintain peace, attention is given to the organizational, structural, and functional aspects of the United Nations and its related agencies. An evaluation of the contributions of these organizations to the maintenance of peace and to world economic, social, and political development is made. Fall

252. International Regional Organization. 3 hr.; 3 cr :

An examination of the concept of regionalism. The relationship of regional arrangements and organizations to general international organization. Individual analysis of NATO, SEATO, the OAS, the EEC, COMECON, and other regional agencies.

253. Problems in International Law and Administration. 3 hr.; 3 cr :

An analytical study of selected topics in international law and administration, such as means and procedures for the settlement of international disputes, responsibility of states and other issues in diplomatic practices, administrative problems of the United Nations, and other international organs in the performance of their functions, as well as the changing conception and controversial principles of the law of war and neutrality.

254. Trans-National Forces in International Politics. 3 hr.; 3 cr :

An analysis of the technological and ideological forces in the international environment as they impinge on the primacy of the nation-state.

255. Comparative Foreign Policy. 3 hr.; 3 cr :

An analysis of patterns in the orientation of various nation-states toward their world environment, and of structures and processes by which various nation-states formulate foreign policies. Spring

256. Africa in World Politics. 3 hr.; 3 cr :

The international relations of the African countries and the development of African foreign policies. Pan-Africanism, the cold war in Africa, neutralism, regional and international agencies. Fall

257. Europe in World Politics. 3 hr.; 3 cr :

The role of the European states in world politics. Cohesion and conflict within the regions: the politics of European integration, Atlantic cooperation, and East-West relations.

258. East Asia in World Politics. 3 hr.; 3 cr :

Historical examination of the policies of the major powers toward China, Japan, and Korea; their common interests and contradictions; conflicts between nationalism and imperialism in East Asia and adjacent areas; special emphasis on the complicated relationships between the United States and the governments in this region. Fall

259. Latin America in World Politics. 3 hr.; 3 cr :

The relations of the Latin American countries with the United States, the European powers, and with each other. Pan-Americanism and the participation of Latin America in international organizations. Inter-American public international law, Spring

260. The Middle East in World Politics. 3 hr.; 3 cr :

The expansion of the European state system into the Middle East and the regional adjustments. The changing patterns of regional and international politics in the Middle East, contrasting the League of Nations and the United Nations systems. Spring

261. The Union of Soviet Socialist Republics in World Politics. 3 hr.; 3 cr :

A conceptual and historical examination of Soviet foreign policy with a stress on Soviet strategy and tactics in the nuclear age. Spring

262. The United States in World Politics. 3 hr.; 3 cr :

Examination of the historical, material, and ideological forces that shape current American foreign policy operations, followed by an analysis of policy formulation and stress on the executive, the legislative, and public opinion, Military, economic, and intelligence policies also examined. Attention is given to basic foreign policy problems in the context of East West competition. Spring

269. Colloquium in International Politics. 3 hr.; 3 cr :

Topics to be announced.

D. POLITICAL THEORY AND METHODOLOGY

270. The Study of Politics. 3 hr.; 3 cr :

Position of political science as a social science. Classical, institutional, idealist, behavioral, and formalistic approaches to the study of power. The social scientific methods; place of the social sciences in human knowledge.

271. Classical and Medieval Political Theory. 3 hr.; 3 cr :

An investigation of the foundations of the Western political tradition and the formulation of political theories in a pre-nation-state social order. Fall

272. Renaissance and Modern Political Theory. 3 hr.; 3 cr :

An examination of the political problems that grew out of the conception of the nation-state, such as sovereignty, constitutionalism, democracy, political liberty, and social change. Spring

273. American Political Thought. 3 hr.; 3 cr :

Discussion of the political concepts that have influenced the development of an American democratic tradition; concepts will be related to specific political institutions and processes.

274. Twentieth-Century Political Philosophy. 3 hr.; 3 cr :

Examination of the theoretical and methodological problems underlying twentieth-century political thought. Utilization of psychological findings, development of scientific procedure, problems of concept-formation. Attention is given to fundamental ideological issues in twentieth-century politics. Spring

275. Applied Political Research. 3 hr.; 3 cr :

This course will provide students with the basic skills needed to carry out political science research, including the formulation of research problems, the collection of evidence, and elementary statistical analysis.

276. Formalistic Analysis in Politics. 3 hr.; 3 cr :

Prereq.: Political Science 270; Mathematics 101 or 111, or Philosophy 109, or permission of instructor. Designed to acquaint the student with the applicability of economic and mathematical theory to the study of politics.

277. Black Political and Social Thought 1: Protest Thought. 3 hr.; 3 cr :

An introduction to the organized and systematic patterns of thought put forth by black publicists, concerning the human conditions of blacks in white-dominated society, and the black ideological response to such a political, economic, and cultural situation. The emphasis will be on Afro-American thought, with references to African and Caribbean thought. Some of the thinkers whose works will be examined are Blyden, Washington, Diagne, DuBois, Garvey, Nkrumah, Padmore, King, Malcolm X, and Fanon. Spring

278. Black Political and Social Thought II: Contemporary Ideologies. 3 hr.; 3 cr :

Basic themes in contemporary black political and social literature concerning the appropriate forms of political and social organization for black society. The emphasis will be on African political thought. Some of the themes to be explored are the implications of "Blackness" (negritude, African personality, etc.) for political organization (Ujamaa, African Socialism, Consciencism, etc.) and the role of blacks in the world revolution (Pan-Africanism, Third Worldism, etc.). Fall

279. Colloquium in Political Theory. 3 hr.; 3 cr.

No student may take more than one colloquium a semester. Topics to be announced. 291. Special Problems. 291.1-291.3-1-3 hr.; 1-3 cr. Prereq.: Open to majors who receive permission of the department to register. A student or group of students will undertake and complete an individual research project in the field of their special interest under the direction of an instructor and with the approval of the Department Chair. Fall, Spring

292. Internship in Politics. 292.4-2 hr./wk. plus 120 semester hours of intern work; 4 cr :

; 292.5-2 hr./wk. plus 150 semester hours of intern work; Prereq.: Permission of instructor. A work-study program, offered by the department, giving first-hand experience in the day-to-day operations of City government. Internships available with City Councilmen, administrative offices of the Mayor, Assemblymen, District Congressional offices, and other political offices. Application for the program is made through the Student Coordinator, a minimum of one month prior to registration. Applications available through the Political Science Department. Fall, Spring

293. Field Work in Political Science. 3 hr.; 3 cr :

Individual or group field projects or internships with prior approval of the department. Fall, Spring

111. SEMINARS

381. Seminar in American Politics. 3 hr.; 3 cr. Prereq.: Permission of instructor. Topics to be announced. No student may enroll in more than one seminar a semester. Fall, Spring

382. Seminar in Public Law and Administration. 3 hr.; 3 cr :

Prereq.: Permission of instructor. Topics to be announced. No student may enroll in more than one seminar a semester. Fall

383. Seminar in Comparative Politics. 3 hr.; 3 cr :

Prereq. :Permission of instructor. Topics to be announced. No student may enroll in more than one seminar a semester. Fall, Spring

384. Seminar in International Politics. 3 hr.; 3 cr :

Prereq.: Permission of instructor. Topics to be announced. No student may enroll in more than one seminar a semester. Fall, Spring

385. Seminar in International Law and Diplomacy. 3 hr.; 3 cr :

Prereq.: Permission of instructor. Open to seniors majoring in political science who have satisfactorily completed at least two courses in international law, international relations, international or regional organizations, or other related subjects. An intensive study of special subjects in the fields of international law and diplomacy. Both theory and practice will be examined. Each student is required to prepare a research paper and present it to the class for critical discussion under the guidance and supervision of the instructor. Fall

386. Seminar in Political Theory. 3 hr.; 3 cr :

Prereq.: Permission of instructor. Topics to be announced. No student may take more than one seminar a semester. Fall, Spring

387. Seminar in Political Analysis and Research Methods. 3 hr.; 3 cr :

Prereq.: Permission of instructor. No student may enroll in more than one seminar a semester. The following graduate courses are open to qualified undergraduate students with permission of the department.

610. Western Political Thought. 2 hr. plus conf.; 3 cr :

The basic ideas and systems of Western political thought from Plato through Marx.

630. Contemporary Comparative Government. 2 hr. plus conf.; 3 cr :

Government structures, ideological foundations, and functioning of political institutions in selected European states.

640. Public Administration. 2 hr. plus conf.; 3 cr :

Problems of organization and process; the administrator as manager; decision-making and information flow. Administrative powers; procedural safeguards; authority, status, and leadership. Internal politics and bureaucracy. Spring
651. Government of the City of New York.

2 hr. plus conf.; 3 cr :

The government of the City of New York and its role in the metropolitan area; its relationship to the state and to the federal government. Impact of economic and social forces on the political process.

660. International Politics. 2 hr. plus conf.; 3 cr.

Basic factors in international politics. The struggle for power and order in world politics.

PSYCHOLOGY

Chair: Wilma A. Winnick

Deputy Chair: Robert Lanson

Assistant Chair for Evening Studies: Nancy Hemmes

Graduate Adviser: Philip A. Ramsey *Dept. Office:* NSB E318, 997-3200

Professors: Baker, Bodnar, Borod, Caputo, Erlichman, Essman, Frumkes, Orbach, Ramsey, Schuckman, Winnick;

Adjunct Professors: Berman, A.J., Bodis Wollner, Clark, Cohen, B., Diller, Dombush, Echandia, Klein, Nathanson, Pasik, R, Pasik, T.;

Associate Professors: Berman, D., Brown, Cole, Fleischer, Gilden, Halperin, Hemmes, Lanson, Moreau, Poulson, Shapiro, Witkin;

Adjunct Associate Professors: Brenitz, Bruder, Cohen, R., Grober, Leibowitz, Wilson;

Assistant Professors: Fleshler, Hollander, Morris;

Adjunct Assistant Professors: Goldberg, Gottlieb, Koch, Shamow;

Lecturer: Cooper; *College*

Laboratory Technicians: Gottesman, Ramroop, Sham, Zhu;

HE Assistant: Vollono; *Department Secretaries:* Field, Lewis, Schimatz

Courses in psychology are designed to introduce the student to the field of general psychology. The major provides the basic training necessary for further study and employment in the field; the nonmajor will find psychology courses valuable correlates to the study of other areas. Students planning a career in psychology should realize that a master's degree in psychology is generally a minimum requirement for professional employment in the field. Responsible positions in the teaching of psychology, in clinical, counseling, or industrial practice, and in research usually require the doctorate, as does New York State certification.

The Major

A major in psychology constitutes 33 credits. Requests for transfer credit for psychology courses taken at community colleges prior to a student's admission to Queens will be evaluated on the same criteria as work completed at four-year institutions. The Psychology Department requires that 50% of the courses in the major be taken at Queens College and the required Advanced Experimental research course must be taken at Queens College.

Required courses for psychology majors are Psychology 101 or 102, 107, 213, and one advanced research course to be chosen from Psychology 311-320.

Psychology 12 is not credited toward the major in psychology, although it is credited toward the B.A. degree.

Students are strongly advised to schedule Psychology 213 well in advance of their senior year so as to be eligible for advanced research courses or independent research seminars. Students planning to take Psychology 246 should try to schedule Psychology 226 during the previous semester. Psychology 325 or 326, if scheduled, should be taken in the senior year, subsequent to Psychology 226.

Majors are strongly advised to provide themselves with a diversified academic background by taking courses in a wide range of departments. In addition, the psychology faculty specifically and strongly urges the major to take:

1. a minimum of one semester of college-level mathematics, preferably Mathematics 101 (or its equivalent);
2. a minimum of one year of natural science, of which one semester should be biology;
3. a minimum of one year of social science, of which one semester should be either sociology or anthropology;
4. a minimum of one semester of philosophy.

It is also strongly recommended that those students intending to do graduate work in the field take courses that will lead to a reading knowledge of a foreign language.

All students who are either planning to major in psychology or considering such a major should inform themselves of the department's advisory and preregistration system. All day-session matriculated majors are automatically included in the system and will be assigned an adviser. The department's *Undergraduate Handbook and Academic Advisement Manual*, which presents detailed materials concerning course selection, graduate school preparation, and career specialization, is available in the Psychology Office. Peer advisers are also available. Consult their

schedule, posted in the Psychology Office. Since certain courses may not be given during every semester, the student should plan with flexibility.

ESL Students

Those students for whom English is a second or third language may have to take ESL qualifying examinations; in order to determine whether such tests are necessary and to receive permission to take psychology courses, all such students should see the ESL adviser for psychology, Professor Orbach.

The Minor

In order to complete a minor in psychology, the student must take a minimum of 18 credits, with the exclusion of Psychology 12 (Psychology 12 is not credited toward either the major or minor in psychology, although it is credited toward the B.A. degree).

Prerequisites

All psychology courses other than Psychology 12 and 107 require either Psychology 101 or 102 as a prerequisite.

Courses

12. Psychology of Life Management. 3 hr.; 3 cr.

This course distills from each area of psychology those ideas important to the control and management of one's everyday affairs. It offers critical insights into self-understanding, personal growth, career planning, parenting, and coping with the general problems of living. In addition to lectures, there will be a series of demonstrations, exercises, and self-administered tests aimed at illustrating issues covered in the course. Psychology 12 may not be included as part of the 33 credits required for the psychology major. Not open to students who have taken Psychology 101.

101. General Psychology. 4 hr.; 4 cr :

An introduction to the chief facts, principles, methods, and theories of psychology. Topics discussed include the history of psychology, sensory and perceptual processes, motivation and emotion, behavior development, learning and cognition, psychometrics, personality, psychopathology, and social behavior. Not open to students who have taken Psychology 102. This course requires a research experience of up to 5 hours. This experience can consist of participation in research studies or short written reports of published psychological research. (This course may be counted toward the LASAR Physical and Biological Sciences, Group B requirement.)

102. Introduction to Psychology as a Natural Science. 3 lec., 2 lab. hr.; 4 cr :

A laboratory-oriented introduction to the chief facts, principles, methods, and theories of psychology. Topics discussed include the history of psychology, sensory and perceptual processes, motivation and emotion, behavior development, learning and cognition, psychometrics, personality, psychopathology, and social behavior. Not open to students who have taken Psychology 101. (This course may be counted toward the LASAR Physical and Biological Sciences, Group A requirement.) Fall, Spring Not offered 1993-94.

107. Statistical Methods. Lec./demo./lab.- 4 hr.; 3 cr :

Prereq.: Demonstration of current mathematical competency equivalent to 2 1/2 years of high school mathematics as defined by performance on the Queens College Mathematics Placement Exam. This mathematics prerequisite may also be fulfilled by evidence of satisfactory completion of one or more of the following courses: Math 6, 100, 101, 111 (or their equivalents). Data reduction, analysis, and reporting: description of frequency distributions, curve fitting, correlation, estimation and hypothesis testing on evidence from one, two, and three or more samples. (This course may be counted toward the LASAR Scientific Methodology and Quantitative Reasoning requirement.)

Note: English 95 or its equivalent is the minimum corequisite for all courses (see pp. 38, 124). - offered *either* Fall or Spring; see *Class Schedule*
++ -may be offered: see *Class Schedule*

208. Theory and Analysis of Psychological Measurements. 2 rec., 2 lab. hr.; 3 cr :

Prereq.: Psychology 107. Theory of measurement and test construction; reliability and validity; theory of least squares prediction; linear and nonlinear correlation and regression analysis; implications of computer use in this field.

213. Experimental Psychology. 2 rec., 4 lab. hr.; 4 cr :

Prereq.: Psychology 101 or 102, and 107. Recommended: Grade of C or better in Psychology 107. A laboratory course designed to acquaint the student with the application of the experimental method to psychological problems. Experiments will be conducted in a variety of areas chosen to give the student an appreciation of the range of current psychological research. Particular emphasis will be given in the areas of experimental methodology, psychophysics, and learning. MAT charge, \$10.

218. Psychology of Aging. 2 lec., 4 lab. hr.; 3 cr.

Prereq.: Psychology 101 or 102. This course reviews the psychological theories and findings on the aging process beginning with young adulthood through the middle years into old age. The course will emphasize physical changes, relationship factors, career growth and termination, and death and dying; it includes a practical experience in which students spend several hours each week in a geriatric center where they will have extensive contact with the aged,

221. Psychopathology (Abnormal Psychology). 3 hr.; 3 cr :

Prereq.: Psychology 101 or 102. A critical survey and analysis of the field of psychopathology - symptoms, causes, and treatments - with special emphasis upon the interrelation of physiological, psychological, and sociological factors.

222. Psychology and the Law. 3 hr.; 3 cr :

Prereq.: Psychology 101 or 102. A critical survey of the many areas where psychological theory and research interact with legal processes. Problem areas to be studied include legal definitions of insanity, use of test results, child abuse, legal issues in research, rules of legal evidence, criminal justice systems, adoption, environmental problems, and jury behavior.

223. Psychometrics. 2 lec., 2 lab. hr.; 3 cr :

Prereq.: Psychology 101 or 102 and 107. Application and evaluation of psychometric method for estimating the validity and reliability of psychological measures and for establishing norms. Areas sampled include creativity and special abilities, attitudes and values, intelligence and achievement, vocational interests, and personality traits.

224. Child Psychology. 3 hr.; 3 cr,

Prereq.: Psychology 101 or 102. Not open to students who have taken Psychology 229. The psychological development of the individual from birth to puberty. A survey of the chief findings concerning the developing behavior of the child, with some application of these findings to child guidance.

226. Psychology in Business and Industry. 2 rec., 2 lab. hr.; 3 cr :

Prereq.: Psychology 101 or 102. The psychological principles that can be applied to employee-employer relationships are considered. Such problems as personnel selection, promotion, motivation, training, measurement of job satisfaction, increasing worker efficiency, and merit ratings are reviewed from the standpoint of the psychologist in industry. How the satisfaction of the worker can be furthered while serving the profit-seeking motive of business is the basic problem of the course.

229. Developmental Psychology. 3 hr.; 3 cr :

Prereq.: Psychology 101 or 102. Not open to students who have taken Psychology 224. An introduction to the scope, aims, principles, theories, methods, and empirical findings of developmental psychology, with particular emphasis on child development. Fall, Spring. Not offered 1993-94.

232. The Psychology of Personality. 3 hr.; 3 cr :

Prereq.: Psychology 101 or 102. A critical survey of modern approaches to the organization and development of personality. An attempt will be made to integrate experimental, clinical, biographical, and cultural evidence.

245. Consumer Psychology. 2 rec., 2 lab. hr.; 3 cr :

Prereq.: Psychology 226 and permission of instructor. The psychological principles related to the individual's role as a purchaser of goods and services and how he reacts to efforts to influence his purchasing behavior. Advertising, selling, and market and motivational research are considered. The value of the scientific approach to these problems is demonstrated and findings in the field are reviewed. Fall

246. Organizational Psychology. 2 rec., 2 lab. hr.; 3 cr :

Prereq.: Psychology 226, a course in statistics, and permission of the instructor. In this experiential learning course, students simulate standardized roles prevalent in business. Group processes, leadership, conflict, and personal characteristics relevant to career development are analyzed and studied. This course serves those students who have completed Psychology 226 and have a further interest in industrial/organizational psychology as a profession or who may hope to enter the field of personnel management or industrial relations. When supplemented with Psychology 325 (Field Work in Personnel Psychology), it enables many students to better confront the problem of entering the business world in a psychology-related occupation.

250. Innovations in the Teaching of Psychology. 4 hr.; 3 cr :

Prereq.: Psychology 101 or 102 and permission of department. Designed to give students in psychology active participation in the teaching of the discipline. They will assist a faculty member in teaching a course through innovative techniques approved by the department. May be taken more than once provided there is no duplication.

281,282. Problems in Psychology. 3 hr.; 3 cr.

Prereq.: Psychology 101 or 102 and permission of department. An exploration of topics, to be announced, that are not covered by the regular course offerings. May be taken more than once provided there is no duplication of topics.

Psychology 311-320 Series. Advanced Experimental and Research Psychology. 2 rec., 4 lab. hr.; 4 cr :

Prereq.: Psychology 213. One of these courses fulfills the requirement for an advanced research course in psychology.

311. Learning.

Prereq.: Psychology 213. A laboratory course emphasizing application of experimental technique to the study of learning in animal and human subjects. Topics covered will include classical conditioning, instrumental (operant) learning, verbal learning, and a critical analysis of current controversial issues in learning. MAT charge, \$10.

312. Sensory and Perceptual Processes.

Prereq.: Psychology 213. A laboratory course emphasizing application of experimental technique to the study of perceptual processes. Included are an examination of the sensory basis of perception, psychophysics, scaling methods, and discussion of current theoretical issues in perception. MAT charge, \$10.,++

313. Cognitive Psychology.

Prereq.: Psychology 213. A laboratory course emphasizing the application of experimental techniques to the study of cognition in human subjects. Among the topics covered are attention, recognition of patterns (such as speech and visual forms), imagery, storage and retrieval of information from short-term and long-term memory, and the organization of thought and language. A central theme of the course is a focus on structure and organization in these various cognitive processes. MAT charge, \$10.['],

315. Mathematical Models in Psychology.

Prereq.: Psychology 213. A laboratory course in the application of mathematics to psychological theories and research. Mathematical models of psychological processes and related research will be discussed and evaluated. Selected topics include psychological scaling, theory of choice and preference, information theory, and computer simulation of behavior learning models.

317. Behavior Modification.

Prereq.: Psychology 213 and 221 or permission of instructor. Consideration of principles of learning as they apply to the acquisition, maintenance, and modification of human behavior, as exemplified by the work of Bandura, Eysenck, Skinner, and Wolpe. An application of reinforcement theories to behavior in educational, therapeutic, and cultural environments will be included, MAT charge, \$10.

318. Advanced Developmental Psychology.

Prereq.: Psychology 213, 224 or 229. Laboratory course in research in developmental psychology. Stress will be on the application of principles required in child or developmental psychology courses, Selected topics: imprinting, early experience, critical periods, longitudinal vs. cross-section design, perceptual development, cognitive development.

320. Advanced Experimental and Research Psychology: Selected Topics.

Prereq.: Psychology 213. Advanced study on topics, to be announced, which are not covered by the regular course offerings. May be taken more than once provided there is no duplication of topic.

325. Field Work in Personnel Psychology. 325.1-4-0 hr.; 1 cr.; 325.2-80 hr.; 2 cr :

Prereq.: Psychology 226 and permission of instructor. Psychology 325 is not a prerequisite for 326. Students are assigned for 40 or 80 hours a semester to a business or organization applying some aspect of personnel psychology. Included are personnel departments, psychological consultants, governmental agencies. Activities such as personnel testing, employment interviewing, personnel research, and employee relations functions are observed and, when feasible, participated in by the student.

326. Field Work in Consumer Psychology. 326.1-40 hr.; 1 cr.; 326.2-80 hr.; 2 cr :

Prereq.: Psychology 226 and permission of instructor. Psychology 325 is not a prerequisite for 326. Students are assigned for 40 or 80 hours a semester to a business or organization applying some aspect of consumer psychology. Included are market research consultants, advertising agency research departments, manufacturers' marketing departments, and communications media research sections. Activities such as questionnaire coding and development, statistical analysis of consumer data, advertising effectiveness research, and consumer sampling and interviewing problems are observed and, when feasible, participated in by the student.,

331. Psychology of Human Motivation. 3 hr.; 3 cr :

Prereq.: Psychology 101 or 102. Recommended for juniors and seniors only.

A systematic survey of the problems involved in an understanding of human motivation. Among the problems discussed are the biological and cultural bases of human needs; their development, hierarchy. and patterning; consequences of frustrations, conflicts, repressions, and other ambiguities of needs; the role of needs in the structure of personality; the relevance of personal motivation to an understanding of interpersonal relations and other social phenomena.

Experimental findings, anthropological and psychoanalytical data, and other theoretical approaches to these problems are discussed and evaluated.

333. Personality Assessment. 3 rec., 2 lab. hr.; 3 cr :

Prereq.: Psychology 107 and 223. An evaluation of various approaches to the assessment of personality. Reliability and validity, test construction, and response styles are considered. The following are discussed: interest inventories, multitrait personality batteries, projective techniques, and measures of achievement motivation and cognitive style. MAT charge, \$10.

334. The Development of Perception and Cognition. 3 hr.; 3 cr :

Prereq.: Psychology 224 or 229, Recommended for juniors and seniors only. A critical analysis of the physiological and psychological mechanisms underlying the development of sensory, perceptual, and cognitive functions from the time of conception to adulthood. The role of biological and experiential factors in determining the nature and level of perceptual-cognitive organization is emphasized. Current theories of development (e.g., Piaget, Brunet, Wemer) are reviewed and their social and educational implications discussed.

336. Humanistic Psychology. 3 hr.; 3 cr :

Prereq.: Psychology 221 and 232. Recommended for juniors and seniors only. A critical review of the basic concepts and principles of humanistic psychology. The course will consider the implications that existentialism and phenomenology have for contemporary psychology's view of man and will include the work of both traditional existentialist philosophers and modern personality theorists.

338. Social Behavior. 3 hr.; 3 cr :

Prereq.: Psychology 101 or 102 and upper junior standing, or permission of the department. A critical analysis of basic psychological principles involved in the behavior of individuals in social situations, with emphasis on social perception and interaction and the psychology of attitudes and of communication. Designed for students concentrating in psychology. Fall, Spring

340. Phenomenological Psychology. 3 hr.; 3 cr.

Prereq.: Psychology 101 or 102 or Philosophy 101. Will be connected with the "phenomenological movement," a movement that will be interpreted partly from the perspective of Gestalt psychology. Selections from William James, Wolfgang Koehler, Kurt Koffka, Robert B. MacLeod, and others will be examined for the purpose of evaluating the relevance of this movement in the understanding and resolution of several psychological issues. The elucidation of the implications of the "constancy hypothesis" will be a principal theme.**

341. Introduction to Psychoanalytic Theory.... 3 hr.; 3 cr :

Prereq.: Psychology 221. Recommended for juniors and seniors only. A historical and comparative survey of the basic concepts of psychoanalytic theory as they relate to psychology, medicine, and aesthetics. Fall, Spring

342. Comparative Psychology. 3 hr.; 3 cr :

Prereq.: Psychology 101 or 102. Recommended for juniors and seniors only. May not be taken if Psychology 344 has already been taken, Comparison of behavior across phyla and species with a view toward understanding the underlying mechanisms and adaptive features of behavior. Lecture topics will include feeding, reproductive behavior, parental behavior, orientation, communication, social behavior, learning, phylogeny of the nervous system, behavior genetics, and a critical evaluation of the concept of instinct.

343. Behavioral Neuroscience. (formerly Physiological Psychology) 3 hr.; 3 cr :

Prereq.: Psychology 101 or 102 and either Psychology 213 or Biology 102. May not be taken if Psychology 344 has been completed. A survey of the physiological basis of behavior with special emphasis on neural and endocrine processes as related to such areas as learning, motivation, emotion, perception, and memory. Fall, Spring

344. Advanced Topics in Behavioral Neuroscience. 3 hr.; 3 cr :

Prereq.: Psychology 343 or permission of instructor. Topics vary from semester to semester and may include the neural bases of learning and memory, sleep and consciousness, motivation and emotion, sensation and perception, and cognition. May be taken more than once, as approved by the department.

347. Introduction to Clinical Psychology. 3 hr.; 3 cr :

Prereq.: Psychology 221. Recommended for seniors only. A general introduction to the field of clinical psychology. The etiology, differential diagnosis, and methods of psychological treatment of various kinds of personality and conduct problems, emotional and social maladjustments, and problems of exceptional mentalities are considered. This course is especially recommended to students planning to do graduate work in clinical psychology. Fall, Spring

348. History and Systems of Psychology. 3 hr.; 3 cr :

Prereq.: 101 or 102. Recommended for juniors and seniors only. A historical introduction to modern psychology and a critical survey of its chief systems structuralism, functionalism, psychoanalysis, behaviorism, Gestalt, and others. (This course may be counted toward the LASAR Social Sciences requirement.) Fall, Spring

349. Psychological Disorders of Childhood and Adolescence. 3 hr.; 3 cr :

Prereq.: Psychology 221, and 224 or 229. A survey of the major psychopathological disorders in childhood and adolescence; particular emphasis on etiological, biological, and social factors. These disorders include mental retardation, learning disabilities, conduct disorders, and neuroses and psychoses. Fall, Spring

351. Human Relations: Small Group Interactions. 4 hr.; 3 cr :

Prereq.: One of the following: Psychology 221,331,232, or 338. Recommended for juniors and seniors only. Using the classroom experience as a learning laboratory, this course focuses on the dynamics of interpersonal relations and of small groups. Combining both didactic and experiential elements, the course encourages each participant to become more sensitive to the other participants and to his or her interpersonal behavior.

352. Principles of Drug Action. 3 hr.; 3 cr :

Prereq.: Psychology 101 or 202, or a college course in biology or chemistry. Relevant for psychology and biology students. Considers mechanisms of drug action and applications of biologically active agents as a basis for conceptual evaluation of behavioral functions. Fall, Spring

353. Psychology. of Sex Roles. 3 hr.; 3 cr :

Prereq.: Psychology 224 or 229. Recommended for juniors and seniors only. A survey and critical analysis of research and theory regarding similarities and differences in behavior between males and females, both human and animal. Included are considerations of biological, social, psychological, and cultural determinants of gender role development.**

354. Sexual Behavior.

Prereq.: Psychology 224 or 229. Recommended for juniors and seniors only. A survey of research and theory about sexual behavior in humans and animals. Among the topics covered are neural and hormonal correlates of sexual behavior, the role of early experience and learning, survey and laboratory studies of human sexuality, cross-cultural studies of sexual practices, and sexual dysfunctions and their treatment.

355. Practicum in Academic Advisement of the Psychology. Major. 1 hr.; 1 cr :

Prereq.: A minimum of four courses in psychology at Queens College, junior standing, and Student Personnel 200 (Introduction to Counseling and Advisement). This course, which is open to psychology majors only, may be taken concurrently with Student Personnel 300 (Practicum in Counseling and Advisement) or as a third-semester peer adviser. Students will be required to spend two hours a week interviewing students at the Department of Psychology, participate in various projects (e.g., developing a tutoring service, obtaining career and graduate training information) for 1 or 2 hours per week, and attend semi-monthly meetings with the faculty supervisor, which will involve discussions of graduate training, careers in psychology, and undergraduate requirements. Course may be taken a maximum of two semesters.

360. Contemporary Psychotherapies. 3 hr.; 3 cr :

Prereq.: Psychology 221; junior standing and any of the following: Psychology 232, 317,341, or 347. A review of the current status of psychotherapy by a comparison of the views of personality and psychopathology implied by the psychoanalytic and behavioral models. A diverse sample of current psychotherapies will be studied and compared. These may include rational-emotive therapy, Japanese therapies and meditative therapies, Milton Erickson's approach to short-term treatment (including use of hypnotherapy), several forms of family therapy, behavioral medicine and biofeedback, and some novel approaches such as ethnotherapy.'

363. Sex Roles and Psychopathology. 3 hr.; 3 cr :

Prereq.: Psychology 221. This course involves a critical examination of the relationship of gender to personality development and mental disorders. Theories and research concerning gender differences in personality and psychopathology (e.g., depression, eating disorders, substance abuse) are presented.

371. Practice in Psychopathology. 2 hr. plus 5 hr. field work to be arranged; 3 cr :

Prereq.: Psychology 221,232, senior standing, and permission of instructor. Provides for supervised clinical observation of patients at selected psychiatric hospitals and clinics. Students observe patients, audit staff conferences, and may assist in research conducted by

hospital staff or College faculty. The academic component of this course includes an in-depth study by each student of one of the major approaches to psychopathology (such as psychoanalysis or behavior therapy) and the application of that approach to a set of case protocols. Fall, Spring

391,392. Special Problems. 391.1-3 hr. per week; 1 cr.; 391.2-6 hr. per week; 2 cr :

; 391.3-9 hr. per week; 3 cr :

; 392.1-3 hr. per week; 1 cr :

; 392.2-6 hr. per week; 2 cr :

; 392.3-9 hr. per week; 3 cr :

Prereq.: Permission of department. Open only to specially qualified seniors of exceptional promise and ability who are majoring in psychology. Fall, Spring

PUERTO RICAN STUDIES

For information, see page 153.

READING

See Special Sequences and Courses, page 202.

RELIGIOUS STUDIES

Acting Director: Frederick Purnell

Advisory Council: Bird, Haan, Purnell

Office: T-3, Room 24, 997-3099

Religious Studies is an exciting part of the offerings in the humanities at the College. Its resources in faculty, library, courses, lecture series, and special events provide a strong background in the area, particularly attractive to students in the humanities or social sciences.

Religious Studies' academic orientation is derived from the disciplines of history, sociology, psychology, and philosophy. These fields attempt to treat religious phenomena from a nonpartisan and scholarly standpoint. The broad scope of faculty specialization permits a comprehensive investigation of society's pervasive religious concerns. It is possible to complete an interdisciplinary major. Students interested in doing so should consult with the Director of Interdisciplinary and

Special Studies.

The Interdisciplinary Major

The interdisciplinary major in Religious Studies requires 30 credits in the area; these should include Introduction to Western Religions (Fall) and Introduction to Eastern Religions offered under Interdisciplinary and Special Studies. Majors must also complete English 381 (The Literature of the Bible) and either Sociology 221 (Sociological Aspects of Religion) or Philosophy 116 (Introduction to Philosophy of Religion). Graduating seniors are also required to write a paper on a topic to be approved by the Religious Studies Committee. Additional courses may be selected from the following list as well as from offerings in Interdisciplinary and Special Studies. The student is responsible for meeting department prerequisites wherever necessary. Such prerequisites cannot be credited toward the major.

Students should check the program offerings of Interdisciplinary and Special Studies each semester for new electives.

Elective Courses

Anthropology 221,224

Arabic 160

Art 211,212, 213,241,242

Classics 140, 240

Comparative Literature 211,220, 221, 334, 337

English 334, 386

German 266, 302

Hebrew 321,332, 340, 341,345,346

History 114, 115, 116, 201,202, 203,206, 211,212, 215, 237, 256

Italian 322, 324, 325

Oriental Studies 220, 221

Philosophy 116, 118, 141,261

Sociology 211,221,238, 241,242

Yiddish 172, 176

See appropriate department listing for scheduling information.

Interested students should contact Professor Purnell, Philosophy Department, Powder maker Hall, Room 260.

Courses

101. Introduction to Western Religions. 3 hr.; 3 cr :

A brief survey of the persistent problems in Western religious thought, comparing representative thinkers in the traditions of Judaism, Christianity, and Islam. Spring

102. Introduction to Oriental Religions. 3 hr.; 3 cr :

A brief survey of religious thought in India, China, and Japan. Developmental analysis of fundamental religious concepts and their impact upon culture. Fall

103. Introduction to Judaism. 3 hr.; 3 cr :

History of the development of Judaic beliefs, practices, and interpretive traditions. Representative selections from Mishnah, Talmud, Kabbalah, and later thinkers. Fall, Spring

211. Essentials of Buddhism. 3 hr.; 3 cr :

A study of Buddhist thought, devotional practice, and literary traditions in several selected Buddhist sects. Spring

212. Religion, Myth, and Language. 3 hr.; 3 cr :

A study of the interaction between categorical schemes and constructs used in the study of religion, including psychoanalytic, phenomenological, and structuralist approaches.

213. Religious Meaning. 3 hr.; 3 cr :

A systematic study of images of man in contemporary thought and their relation to modern religion.

214. Process Thought and Religion. 3 hr.; 3 cr :

A consideration of the relationship between the metaphysics of representative developmental thinkers and religious world views.

360. Studies in Religion. 3 hr.; 3 cr.

Selected topics in religious studies.

390. Seminar in Religious Studies. 3 hr.; 3 cr :

Open only to Religious Studies majors in the senior year by special permission of the Program Director. Intensive study of a selected aspect of the field. This course is required for completion of the Religious Studies major.

Note: English 95 or its equivalent is the minimum corequisite for all courses (see pp. 38, 124). - offered *either* Fall or Spring; see *Class Schedule*

++ -may be offered; see *Class Schedule*

ROMANCE LANGUAGES

Chair: ' Andres Franco

Deputy Chair: Joseph Sungolowsky

Undergraduate Advisers: Edward J.

Murphy (French); Paul Ferrara (Italian);

Edward Strug (Spanish)

Graduate Advisers: Hermann Haller

(Italian); Gloria Sawicki-Ormandy (M.S.

in Ed.); Joseph Sungolowsky (French); Ottavio Di Camillo (Spanish)

Dept. Office: Kiely 243, 997-5660

Distinguished Professor: Rabassa;

Professors: Brown, Carravetta, ChangRodriguez, Di Camillo, Diez-Martfnez, Green, Hailer, Kozer, Lamont, Lonigan, Reilly, Russell, Sungolowsky;

Associate Professors: DeTorre, Franco, Glickman, Lloris, Picciotto, Picken;

Assistant Professors: Ferrara, Leon, Llorens, Paulicelli;

Lecturers: Dobbs, Murphy, Ritchie, Romero, Sawicki-Ormandy, Sensiba, Strug;

Assistants to Chair: DeTorre, Strug;

Department Secretary: Kantor

The program of instruction in the Department of Romance Languages seeks, through the achievement of an accurate reading knowledge, adequate aural comprehension, and conversational proficiency, to prepare students to understand and appreciate the language, literature, and culture of the French-, Italian-, Portuguese-, and Spanish-speaking worlds. Upon completion of the basic courses, students are expected to have a thorough, practical command of the language they have studied, including an ability to understand more fully the culture or cultures of which that language is a reflection. Elective courses consist of both linguistic and literary studies of a more advanced and specialized nature.

In all courses, correlation with other departments of the College is encouraged whenever students' use of their language training can be made effective in their field of specialization.

The Majors

Majors are offered in the day session in French, Italian, Portuguese, and Spanish; in the evening session, a major is offered in Spanish.

Thirty-two credits are required for the major, to be taken in accordance with the current distribution requirements of the department. Additional credits may be taken in courses related in content and purpose, and may include political science, geography, economics, history, anthropology, music, and other such adjunct courses. All prospective majors must consult a department adviser before filing proper concentration forms.

Students who plan to teach French, Italian, or Spanish in secondary schools should also take at least three courses in a second Romance language. Approval for student teaching normally requires a 3.0 average in elective courses and the grade of B in courses 222, 223, and 224.

Joint Major in Latin American Area Studies and Romance Languages Students taking this joint major must take 24 elective credits from among the area courses listed and 24 elective credits in Spanish and Portuguese, including Spanish 312, 370, 371,372, and Latin American Area Studies 381. A reading proficiency test in Portuguese must be passed prior to graduation. The joint major is offered in both the day session and the evening session.

The Minor

A minor is offered in the day session in French, Italian, Spanish, and Portuguese; in the evening session, a minor is offered in Spanish. Sixteen credits above language 112 are required for the minor in a Romance language. All prospective minors must consult a department adviser to have their programs approved.

Courses in French

Students who have had less than one and one-half years of high school French normally begin with course 111; those entering with two years normally begin with course 112; those presenting three years normally begin with course 203; and those presenting four years normally begin with course 204. Native speakers should consult the Chair or a department representative for correct placement.

READING COURSES**10. Elementary French for General Reading Purposes 1.3 hr.; 3 cr :**

A concentrated course for beginners in French who want to gain as rapidly as possible the first elements of a general reading knowledge of French. Designed particularly, but not exclusively, for prospective graduate students in any field. Fundamentals of grammar; extensive reading of varied French texts of graded difficulty. May not be taken for credit by students who have received high school or college credit for previous study of French.

11. Elementary French for General Reading Purposes 11.3 hr.; 3 cr :

A continuation of French 10.

COURSES IN ENGLISH

(Not applicable to the major)

41. Masterpieces of French Literature in Translation. 3 hr.; 3 cr :

Prereq.: English 110. Readings in English translation of some outstanding works of French literature from its beginnings to the twentieth century, illustrating a variety of genres. The specific works to be considered will vary from semester to semester and from section to section, and will be announced in advance. Fall, Spring

42. Visions of Man in the French Renaissance and Classical Age. 3 hr.; 3 cr :

The specific topics to be considered will vary from semester to semester and from section to section, and will be announced in advance.

43. The French Psychological Novel. 3 hr.; 3 cr :

The specific topics to be considered will vary from semester to semester and from section to section, and will be announced in advance.

44. French Literature of Revolt. 3 hr.; 3 cr :

The specific topics to be considered will vary from semester to semester and from section to section, and will be announced in advance.

45. French Civilization. 3 hr.; 3 cr :

This course will deal with the nonliterary aspects of French culture, such as music, the visual and performing arts, and the history of ideas. The specific topics to be considered will vary from semester to semester and from section to section, and will be announced in advance. Readings and class discussions will be conducted in English. May be taken more than once for credit provided the topic is different.

50. French Cinema. 4 hr.; 3 cr :

The course will deal with the various elements of French cinema: historical, cultural, aesthetic, political, technical, etc. Particular courses may deal with a certain tendency (such as the "New Wave"), period, or individual director (such as Renoir, Cocteau, or Godard). Lectures and work will be done in English; films will be shown in the original language with subtitles. May be taken more than once for credit provided the topic is different.

BASIC LANGUAGE COURSES**111. Elementary French I. 4 hr.; 4 cr :**

Intended for students with no previous training in French. Designed to establish correct pronunciation, to teach the elements of grammar, to enable students to read, to understand spoken French, to become familiar with cultural aspects of French-speaking countries, and especially to establish a good basic vocabulary. Class hours include use of the language laboratory. Fall, Spring

112. Elementary French II. 4 hr.; 4 cr :

Prereq.: French 111 or two years of high school French. This course is a continuation of French 111. A graded reader is introduced to present literary and cultural aspects of French-speaking countries, and to offer topics for simple exercises in composition. Class hours include use of the language laboratory. Fall, Spring

When circumstances warrant, the department may offer a course of Intensive French 111 and 112 for eight credits.

114. French Conversation. 2 hr.; 1 cr : Prereq.: French I 12 or collective with French 203. Intensive practice in spoken French for students wanting such training. Exercises in aural-oral work in the language laboratory will be required. May not be taken by students when speak French with native fluency. Fall, Spring

203. Intermediate French 1. (formerly French 113) 3 hr.; 3 cr : Prereq.: French I 12 or three years of high school French. Grammar review, conversation, and readings in literary and cultural materials at an intermediate level.

204. Intermediate French II. 3 hr.; 3 cr : Prereq.: French 203 or four years of high school French. Continuation of French 203, with grammar review, conversation, composition, and readings in literary and cultural materials.

INTRODUCTORY LITERATURE COURSES

205. Survey of French Literature 1. 3 hr.; 3 cr. Prereq.: French 204 or permission of department. Reading and analysis of representative works from the Romantic period to the present day, with special emphasis on literary values and history. Required for majors and others planning to take elective courses in the department. Fall

206. Survey of French Literature II. 3 hr.; 3 cr. Prereq.: French 205 or permission of department. Reading and analysis of representative works from the sixteenth through the eighteenth centuries, with special emphasis on literary values and history. Required for majors and others planning to take elective courses in the department. Spring

ADVANCED LANGUAGE COURSES

Students considering a major must consult an adviser in the department before filling out appropriate concentration forms. For those majoring in French literature, French 222, 224, and 228 are required. For those majoring in French language, French 222, 223, 224, and 225 are required. French 222 and 223 should be taken along with French 204; French 224 with French 205; and French 228, prerequisite for advanced literature courses, along with French 206. All majors should consult the department bulletin board for elective offerings before registering for the next semester.

222. Phonetics and Diction. 2 hr.; 1 cr : Prereq.: French 203. Provides further training in the pronunciation of the foreign language. Intensive practice and exercises in diction and phonetics will be carried on in the classroom and language laboratory. Fall

223. Advanced Conversation. 3 hr.; 2 cr : Prereq.: French 203. For students who want to perfect their fluency in current idiom. Prepared and impromptu group discussions on general topics and everyday situations. Frequent short talks by students. May not be taken by students who speak French with native fluency. Fall, Spring

224. Advanced Grammar. 3 hr.; 3 cr : Prereq.: French 204 or permission of department. Provides instruction in advanced French grammar and idiom patterns. Fall, Spring

225. Advanced Composition 1.3 hr.; 3 cr : Prereq.: French 224. grammatical analysis, stylistics, and intensive work in composition. Spring

226. Advanced Composition II. 3 hr.; 3 cr : Prereq.: French 225. Continuation of French 225. Fall, Spring

228. Literary Composition and Explication of Texts. 3 hr.; 3 cr : Prereq.: French 224 or permission of department. Provides instruction in formal composition of a literary nature; trains students in the techniques of textual analysis. Fall

231. Skills and Art of Translation 1. 3 hr.; 3 cr :

Prereq.: French 224. Introduction to the techniques and problems of translation; intensive practice in translating various texts. Fall

232. Skills and Art of Translation 11. 3 hr.; 3 cr :

Prereq.: French 231. Translation of more advanced texts. Texts may be chosen not only from literature but from journalism, advertising, business, and other technical or specialized areas. Spring

235. Commercial and Technical French. 3 hr.; 3 cr :

Prereq.: French 224. Through the reading of specialized texts and the acquisition of business terminology, this course offers the student a practical knowledge of French business practices and procedures as well as a broad survey of the history and role of business in the development of the French economy in the public and private sectoristic

236. Language Workshop. 2 hr.; 1 cr :

Prereq.: French 223. Intensive practice in spoken French for advanced students.

CIVILIZATION COURSES

310. French Civilization Survey 1.3 hr.; 3 cr :

Prereq.: French 206 or permission of department. A study of the development of French institutions and history.

311. French Civilization Survey II. 3 hr.; 3 cr :

Prereq.: French 206 or permission of department. French contributions to the fine arts, music, science, education, philosophy. Students electing both French 310 and 311 should, whenever possible, take 310 first.

ELECTIVE COURSES IN LITERATURE

320. French Literature of the Middle Ages. 3 hr.; 3 cr :

Prereq.: French 206 and 228 or permission of department.

330. French Literature of the Sixteenth Century. 3 hr.; 3 cr :

Prereq.: French 206 and 228 or permission of department.

340. French Literature of the Seventeenth Century. 3 hr.; 3 cr :

Prereq.: French 206 and 228 or permission of department.

345. French Literature of the Eighteenth Century. 3 hr.; 3 cr :

Prereq.: French 206 and 228 or permission of department.

350. French Novel of the Nineteenth Century. 3 hr.; 3 cr :

Prereq.: French 206 and 228 or permission of department.

360. French Novel of the Twentieth Century. 3 hr.; 3 cr :

Prereq.: French 206 and 228 or permission of department.

363. French Poetry. of the Nineteenth and Twentieth Centuries. 3 hr.; 3 cr :

Prereq.: French 206 and 228 or permission of department. '

366. French Theatre of the Nineteenth and Twentieth Centuries. 3 hr.; 3 cr :

Prereq.: French 206 and 228 or permission of department.

381. Seminar. 381.2 - 2 hr.; 2 cr : ; 381.3 - 3 hr.; 3 cr :

Prereq.: Upper junior or senior standing; an average of B in elective courses taken in French, and permission of department. Designed especially to give qualified students experience in scholarly investigation. Those admitted explore a field of French literature.

Courses in Italian

Students who have had less than one and one-half years of high school Italian normally begin with course 111; those entering with two years normally begin with course 112; those presenting three

years usually begin with course 203; and those presenting four years normally begin with course 204. Native speakers should consult the Chair or a department representative for correct placement.

READING COURSE

10. Elementary Italian for General Reading Purposes. 3 hr.; 3 cr :

A concentrated one-semester course for beginners in Italian who want to gain as rapidly as possible the first elements of a general reading knowledge of Italian. Designed particularly, but not exclusively, for prospective graduate students in any field. Fundamentals of grammar; extensive reading of varied Italian texts of graded difficulty. May not be taken for credit by students who have received high school or college credit for previous study of Italian.

COURSES IN ENGLISH

(Not applicable to the major)

40. Tradition and Innovation in the Literature of the Italian Renaissance. 3 hr.; 3 cr :

The specific topics to be considered will vary from semester to semester and from section to section, and will be announced in advance.

41. Masterpieces of Italian Literature in Translation. 3 hr.; 3 cr :

Prereq.: English 110. Readings in English translation of some outstanding works of Italian literature from its beginnings to the twentieth century, illustrating a variety of genres. The specific works to be considered will vary from semester to semester and from section to section, and will be announced in advance.

42. The Modern Italian Novel, from Romanticism to Neo-Realism. 3 hr.; 3 cr :

The specific topics to be considered will vary from semester to semester and from section to section, and will be announced in advance.

45. Italian Civilization. 3 hr.; 3 cr :

This course will deal with various aspects of Italian culture, such as music, the visual and performing arts, and the history of ideas. The specific topics to be considered will vary from section to section, and will be announced in advance. Readings and class discussions will be conducted in English. May be taken more than once for credit provided the topic is different.

50. Italian Cinema. 4 hr.; 3 cr.

The course will deal with the various aspects of Italian cinema: historical, cultural, aesthetic, political, technical, etc. Particular courses may deal with a certain tendency (such as neoRealism), period, or an individual director (such as De Sica, Visconti, Fellini, or Antonioni). Lectures and work will be done in English; films will be shown in the original language with subtitles. May be taken more than once for credit provided the topic is different.

BASIC LANGUAGE COURSES

111. Elementary Italian 1.4 hr.; 4 cr :

Intended for students with no previous training in Italian. Designed to establish correct pronunciation, to teach the elements of grammar, to enable students to read, to understand spoken Italian, to become familiar with cultural aspects of Italy, and especially to establish a good basic vocabulary. Class hours include use of the language laboratory. Fall, Spring

112. Elementary Italian I1.4 hr.; 4 cr :

Prereq.: Italian I 11 or two years of high school Italian. This course is a continuation of Italian I 11. A graded reader is introduced to present literary and cultural aspects of Italy, and to offer topics for simple exercises in composition. Class hours include use of the language laboratory. Fall, Spring When circumstances warrant, the department may offer a course of Intensive Italian 111 and 112 for eight credits.

114. Italian Conversation. 2 hr.; 1 cr :

Prereq.: Italian 112 or coelective with Italian 203. Intensive practice in spoken Italian for students wanting such training. Exercises in aural-oral work in the language laboratory will be required. May not be taken by students who speak Italian with native fluency.

203. Intermediate Italian 1. (formerly Italian 113) 3 hr.; 3 cr :

Prereq.: Italian 112 or three years of high school Italian. Grammar review, conversation, and readings in literary and cultural materials at an intermediate level.

204. Intermediate Italian 11. 3 hr.; 3 cr :

Prereq.: Italian 203 or four years of high school Italian. Continuation of Italian 203, with grammar review, conversation, composition, and readings in literary and cultural materials.

INTRODUCTORY LITERATURE COURSES**205. Survey of Italian Literature 1.3 hr.; 3 cr :**

Prereq.: Italian 204 or permission of department. Reading and analysis of representative works from the Middle Ages through the end of the sixteenth century; special emphasis on literary values and history. Required for majors and others planning to take elective courses in the department. Spring

206. Survey of Italian Literature 11. 3 hr.; 3 cr.

Prereq.: Italian 205 or permission of department. Reading and analysis of representative works from the seventeenth century to the present; special emphasis on literary values and history. Required for majors and others planning to take elective courses in the department. Fall

ELECTIVE COURSES

Students considering a major must consult an adviser in the department before filling out proper concentration forms. For those majoring in Italian, Italian 222, 223, 224, and 228 should be the first electives chosen. They are required for all majors unless specifically waived by the department because of special competence in these fields. All majors should consult the department bulletin board for elective offerings before registering for the next semester.

ADVANCED LANGUAGE COURSES**222. Phonetics and Diction. 2 hr.; 1 cr :**

Prereq.: Italian 203. Provides Further training in the pronunciation of the foreign language. Intensive practice and exercises in diction and phonetics will be carried on in the classroom and language laboratory.

223. Advanced Conversation. 3 hr.; 2 cr :

Prereq.: Italian 203. For students who want to perfect their fluency in current idiom. Prepared and impromptu group discussions on general topics and everyday situations. Frequent short talks by students. May not be taken by students who speak Italian with native fluency.

224. Advanced Grammar. 3 hr.; 3 cr :

Prereq.: Italian 204 or permission of department. Provides instruction in advanced Italian grammar and idiom patterns. Spring

228. Advanced Composition (Dissertation and Explication of Texts). 3 hr.; 3 cr :

Prereq.: Italian 204 or permission of department. Provides instruction in formal composition of a literary nature; trains students in the techniques of textual analysis. Fall

231. Skills and Art of Translation I. 3 hr.; 3 cr.

Prereq.: Italian 224 or permission of department. Introduction to the techniques and problems of translation; intensive practice in translating texts of various types.

232. Skills and Art of Translation II. 3 hr.; 3 cr :

Prereq.: Italian 231. Translation of more advanced texts. Texts may be chosen not only from literature but from journalism, advertising, business, and other technical or specialized areas.

235. Commercial and Technical Italian. 3 hr.; 3 cr :

Prereq.: Italian 224. Provides adequate training in the use of Italian for business, technical, and consular purposes by giving extensive practice in written and oral usage of the forms in use in these fields. Drill will be required in translation techniques, use of special vocabularies and other adjuncts as needed in practical usage in these and related fields of work.

CIVILIZATION COURSES**310. Italian Civilization Survey I. 3 hr.; 3 cr :**

Prereq.: Italian 206 or permission of department. A study of the main outlines of Italian civilization from the Middle Ages to the Renaissance, with emphasis on Italian contributions to the fine arts, music, science, education, and philosophy during this period.

311. Italian Civilization Survey II. 3 hr.; 3 cr.

Prereq.: Italian 206 or permission of department. A study of the main outlines of Italian civilization from the Renaissance to the present, with emphasis on Italian contributions in the fine arts, music, science, education, and philosophy during this period.

ELECTIVE COURSES IN LITERATURE**321. Early Italian Lyric Through Petrarch. 3 hr.; 3 cr :**

Prereq.: Italian 206 and 228 or permission of department.

322. Dante's Minor Works. 2 hr.; 2 cr :

Prereq.: Italian 206 and 228 or permission of department. Special emphasis on the *Vita Nuova* and the *Rime*. **

324. Dante's Divina Commedia I. 3 hr.; 3 cr.

Prereq.: Italian 206 and 228 or permission of department. Study in depth of the *Inferno*.

325. Dante's Divina Commedia II. 3 hr.; 3 cr :

Prereq.: Italian 324 or permission of department. Study in depth of the *Purgatorio* and the *Paradiso*.

327. Boccaccio and the Italian Novella. 3 hr.; 3 cr :

Prereq.: Italian 206 and 228 or permission of department. **

331. The Italian Theatre from the Middle Ages to the Nineteenth Century. 3 hr.; 3 cr :

Prereq.: Italian 206 and 228 or permission of department. **

333. Italian Renaissance Humanism. 3 hr.; 3 cr :

Prereq.: Italian 206 and 228 or permission of department. Readings from Petrarch, Salutati, Alberti, Valla, Pico della Mirandola, Vespasiano da Bisticci, and others. **

334. Italian Renaissance Studies I. 3 hr.; 3 cr.

Prereq.: Italian 206 and 228 or permission of department. Introduction to fifteenth-century Italian Humanism; the poets of the Medici circle; Lorenzo de Medici, Poliziano, Pulci; Machiavelli's *Il Principe* and selections from Guicciardini's *Ricordi*; selections from Castiglione's *Il Cortegiano*. **

335. Italian Renaissance Studies II. 3 hr.; 3 cr.

Prereq.: Italian 334 or permission of department. Selected *canti* from the chivalric epics and heroic poems of the Italian Renaissance: Boiardo's *Orlando innamorato*; Ariosto's *Orlando furioso*; Tasso's *Gerusalemme Liberata*.

350. Italian Fiction of the Nineteenth Century. 3 hr.; 3 cr :

Prereq.: Italian 206 and 228 or permission of department. Development of the novel with emphasis on Foscolo, Manzoni, Fogazzaro, Verga, and Svevo.

353. Italian Poetry of the Nineteenth Century. 3 hr.; 3 cr :

Prereq.: Italian 206 and 228 or permission of department. Emphasis on Foscolo, Leopardi, Manzoni, Pascoli, and Carducci.

360. Contemporary Italian Fiction. 3 hr.; 3 cr.

Prereq.: Italian 206 and 228 or permission of department. The psychological, social, and realist novel: Svevo, Pirandello, Moravia, Pavese, Sciascia, Silone, Vittorini.

363. Contemporary Italian Poetry. 3 hr.; 3 cr.

Prereq.: Italian 206 and 228 or permission of department. The Decadents, Futurism, Ungaretti, Saba, Montale, Quasimodo: the "Hermetic" school, post-World War II trends.

365. The Italian Dialects. 3 hr.; 3 cr :

Prereq.: Italian 224 or permission of department; junior or senior standing. Students will be introduced to the complex linguistic situation of Italy. In addition to some historical elements of the literary language, the course will explain the reasons for the continuing presence of numerous Italian dialects in everyday life and the problem of bilingualism between Standard Italian and dialects. The dialects will be described linguistically and illustrated with tapes and literary texts. Part of the course will deal with the sociolinguistic picture of the Italian immigration to North America.

366. The Italian Theatre from the Nineteenth Century to Our Times. 3 hr.; 3 cr :

Prereq.: Italian 206 and 228 or permission of department.

381, 382. Seminar. 381.2 - 2 hr.; 2 cr :

381.3 3 hr.; 3 cr : 382.2 - 2 hr.; 2 cr : 382.3 - 3 hr.; 3 cr :

Prereq.: Upper junior or senior standing, an average of B in elective courses in Italian, and permission of department. Designed especially to give qualified students experience in scholarly investigation. Those admitted explore a field of Italian literature.

Courses in Portuguese

COURSES IN ENGLISH

41. Masterpieces of Luso-Brazilian Literature in Translation. 3 hr.; 3 cr :

Readings in English translation of some outstanding works of Portuguese literature from its beginnings to the twentieth century, illustrating a variety of genres. The specific works to be considered will vary from semester to semester and from section to section, and will be announced in advance.

43. Mro-Brazilian Culture. 3 hr.; 3 cr :

The specific topics to be considered will vary from semester to semester and from section to section, and will be announced in advance.

45. Portuguese Civilization. 3 hr.; 3 cr :

This course will deal with the nonliterary aspects of Portuguese culture, such as music, the visual and performing arts, and the history of ideas. The specific topic to be considered will vary from semester to semester and from section to section, and will be announced in advance. Readings and class discussions will be conducted in English. May be taken more than once for credit provided the topic is different.

111. Elementary Portuguese 1.4 hr.; 4 cr :

Intended for students with no previous training in Portuguese. Designed to establish correct pronunciation, to teach the elements of grammar, to enable students to read, to understand spoken Portuguese, to become familiar with cultural aspects of Portuguese-speaking countries, and especially to establish a good basic vocabulary. Class hours include use of the language laboratory. Fall

112. Elementary Portuguese 1I. 4 hr.; 4 cr :

Prereq.: Portuguese 111 or equivalent. This course is a continuation of Portuguese 111. A graded reader is introduced to present literary and cultural aspects of Portuguese-speaking countries, and to offer topics for simple exercises in composition. Class hours include use of the language laboratory. Spring

When circumstances warrant, the department may offer a course of Intensive Portuguese 111 and 112 for eight credits.

203. Intermediate Portuguese 1. (formerly Portuguese 113) 3 hr.; 3 cr :

Prereq.: Portuguese I 12 or equivalent. A continuation of Portuguese I 12, with a grammar review, conversation, and readings in literary and cultural materials.

204. Intermediate Portuguese 11. 3 hr.; 3 cr :

Prereq.: Portuguese 203 or its equivalent. Continuation of Portuguese 203, with grammar review, conversation, composition, and readings in literary and cultural materials.

INTRODUCTORY LITERATURE COURSES**205. Survey of Portuguese and Brazilian Literature 1.3 hr.; 3 cr,**

Prereq.: Portuguese 204 or permission of department. Reading and analysis of representative works from the nineteenth and twentieth centuries; special emphasis on literary values and history. Required for majors and others planning to take elective courses in the department.--++

206. Survey of Portuguese and Brazilian Literature II. 3 hr.; 3 cr :

Prereq.: Portuguese 205 or permission of department. Reading and analysis of selected masterpieces beginning with the thirteenth century, Required for majors and others planning to take elective courses in the department.

ADVANCED LANGUAGE COURSES

Students considering a major must consult an adviser in the department before filling out proper concentration forms.

223. Advanced Conversation, Phonetics, and Diction. 3 hr.; 3 cr :

Prereq.: Portuguese 204 or permission of department. For students who want to speak fluently and clearly in current idiom. Stress on practice in class, exercises in diction and phonetics carried on in the language laboratory, and prepared and impromptu group discussion on general topics and everyday situations. Frequent short talks by students. May not be taken by students who speak Portuguese with native fluency.

224. Advanced Grammar, Composition, and Translation. 3 hr.; 3 cr :

Prereq.: Portuguese 204 or permission of department. A thorough review of Portuguese grammar and usage on an advanced level; systematic practice in composition and translation.

235. Commercial and Technical Portuguese. 3 hr.; 3 cr :

Prereq.: Portuguese 224 or permission of department. Provides adequate training in the use of Portuguese for business, technical, and consular purposes by giving extensive practice in written and oral usage of the forms in use in these fields. Drill will be required in translation techniques, use of special vocabularies and other adjuncts as needed in practical usage in these and related fields of work.

310. The Civilization of Portugal. 3 hr.; 3 cr :

Prereq.: Portuguese 206 or permission of department. Attention to nonliterary aspects of Portuguese culture: the visual and performing arts, music, and the history of ideas.

312. The Civilization of Brazil. 3 hr.; 3 cr :

Prereq.: Portuguese 206 or permission of department. Attention to nonliterary aspects of Brazilian culture: the visual and performing arts, music, and the history of ideas.

381,382. Seminar. 381.2 - 2 hr.; 2 cr :

; 381.3 3 hr.; 3 cr ; ; 382.2 - 2 hr.; 2 cr ; ; 382.3 - 3 hr.; 3 cr :

Prereq.: Upper junior or senior standing, an average of B in elective courses taken in Portuguese, and permission of department.

Designed especially to give qualified students experience in scholarly investigation. Those admitted explore a field of Portuguese or Brazilian literature.

Courses in Spanish

Students who have had less than one and one-half years of high school Spanish normally begin with course 111; those entering with two years normally begin with course 112; those presenting three years usually begin with course 203; and those presenting four years normally begin with course 204. Native speakers should consult the Chair or a department representative for correct placement.

READING COURSE

10. Elementary Spanish for General Reading Purposes. 3 hr.; 3 cr :

A concentrated one-semester course for beginners who wish to gain as rapidly as possible the first elements of a general reading knowledge of Spanish; fundamentals of grammar, extensive reading of varied Spanish texts of graded difficulty. May not be taken for credit by students who have received high school or college credit for previous study of Spanish.

COURSES IN ENGLISH

(Not applicable to the major)

41. Masterpieces of Spanish Literature in Translation. 3 hr.; 3 cr :

Prereq.: English 110. Readings in English translation of some outstanding works of Spanish literature from its beginnings to the twentieth century, illustrating a variety of genres. The specific works to be considered will vary from semester to semester and from section to section, and will be announced in advance.,

42. Spain and the Development of the Modern Novel. 3 hr.; 3 cr :

The specific topics to be considered will vary from semester to semester and from section to section, and will be announced in advance.

43. New Narrative in Latin America. 3 hr.; 3 cr :

The specific topics to be considered will vary from semester to semester and from section to section, and will be announced in advance.

45. Hispanic Civilization. 3 hr.; 3 cr :

This course will deal with the nonliterary aspects of Hispanic culture, such as music, the visual and performing arts, and the history of ideas. The specific topics to be considered will vary from semester to semester and from section to section, and will be announced in advance. Readings and class discussions will be conducted in English. May be taken more than once for credit provided the topic is different.

50. Spanish and Latin American Cinema. 4 hr.; 3 cr :

This course will deal with the various aspects of Spanish and Latin American cinema, historical, cultural, aesthetic, political, technical, etc. From semester to semester the course may deal either with certain tendencies and periods or with individual directors, such as Bunuel, Rocha, Torre-Nilsson, or Saura. Lectures and work will be done in English; films will be shown in the original language with subtitles. May be taken more than once for credit provided the topic is different.

BASIC LANGUAGE COURSES**101. Fundamental Language****Skills for Students of Spanish-Speaking Background. 3 hr.; 3 cr :**

Intended for those students who have a speaking knowledge of Spanish, but have had little or no formal training in the language. Forms part of a two-semester sequence designed as an alternative to Spanish 111 through 203, and 204. Completion of the 101, 102 sequence qualifies students for the Spanish 205,206 level or for Spanish 224. Students who successfully complete 101 may not enroll in Spanish 111 or 112.

102. Fundamental Language Skills for**Students of Spanish-Speaking Background. 3 hr.; 3 cr :**

Prereq.: Spanish 101 or its equivalent. A continuation of Spanish 101 or equivalent. Forms part of a two-semester sequence designed as an alternative to Spanish 111 through 203, and 204. Completion of the 101,102 sequence qualifies students for the Spanish 205, 206 level or for Spanish 224. Students who successfully complete 102 may not enroll in Spanish 111,112, 203, or 204.

Note: Completion of Spanish 102 fulfills the Foreign Language Requirement.

111. Elementary Spanish I. 4 hr.; 4 cr :

Intended for students with no previous training in Spanish. Designed to establish correct pronunciation, to teach the elements of grammar, to enable students to read, to understand spoken Spanish, to become familiar with cultural aspects of Spanish-speaking countries, and especially to establish a good basic vocabulary, Class hours include use of the language laboratory. Fall, Spring

112. Elementary. Spanish 11. 4 hr.; 4 cr :

Prereq.: Spanish 111 or two years of high school Spanish. This course is a continuation of Spanish 111. A graded reader is introduced to present literary and cultural aspects of Spanish-speaking countries, and to offer topics for simple exercises in composition. Class hours include use of the language laboratory. Fall, Spring

When circumstances warrant, the department may offer a course of Intensive Spanish 111 and 112 for eight credits.

114. Spanish Conversation. 2 hr.; 1 cr :

Prereq.: Spanish 112 or coelective with Spanish 203. Intensive practice in spoken Spanish for students wanting such training. Exercises in aural work in the language laboratory will be required. May not be taken by students who speak Spanish with native fluency. Fall, Spring

203. Intermediate Spanish 1. (formerly Spanish 113) 3 hr.; 3 cr :

Prereq.: Spanish 112 or three years of high school Spanish. Grammar review, conversation, and readings in literary and cultural materials at an intermediate level.

204. Intermediate Spanish II. 3 hr.; 3 cr :

Prereq.: Spanish 203 or four years of high school Spanish. Continuation of Spanish 203, with grammar review, conversation, composition, and readings in literary and cultural materials.

INTRODUCTORY LITERATURE COURSES**205. Survey of Spanish Literature 1.3 hr.; 3 cr.**

Prereq.: Spanish 204 or permission of department. Reading and analysis of representative works from the Middle Ages through the seventeenth century; special emphasis on literary values and history. Required for majors and others planning to take elective courses in the department. Fall, Spring

206. Survey of Spanish Literature 11. 3 hr.; 3 cr :

Prereq.: Spanish 205 or permission of department. Reading and analysis of representative works from the Romantic period to the present, with special emphasis on literary values and history. Required for majors and other students planning to take elective courses in the department. Fall, Spring

207. Survey of Spanish-American Literature. 3 hr.; 3 cr :

Prereq.: Spanish 206 or permission of department. Reading and analysis of representative works of Spanish-American literature from the period of the Conquest to the present, with special emphasis on literary values and history. Required for majors and other students planning to take elective courses in the department. Fall, Spring

210. Survey of the Literature of Puerto Rico. 3 hr.; 3 cr :

Prereq.: Spanish 206 or permission of department. Development of the literary form in Puerto Rico. The course will examine the early myths and folklore as foundations for the emergence of the novel, essay, and poetry. The survey will include an analysis of important Puerto Rican writers within the context of major literary movements from the 1930s to the present.

ADVANCED LANGUAGE COURSES

Students considering a major must consult an adviser in the department before filling out proper concentration forms. For those majoring in Spanish, Spanish 222, 223, 224, and 228 should be the first electives chosen. They are required of all majors unless specifically waived by the department because of special competence in these fields. Spanish 222 and 223 should be taken along with Spanish 204; and Spanish 224 with Spanish 205. Spanish 228, prerequisite for advanced literature courses, should be taken with Spanish 206. All majors should consult the department bulletin board for elective offerings before registering for the next semester.

222. Phonetics and Diction. 2 hr.; 1 cr :

Prereq.: Spanish 203. Provides further training in the pronunciation of the foreign language. Intensive practice and exercise in diction and phonetics will be carried on in the classroom and language laboratory. +

223. Advanced Conversation. 3 hr.; 2 cr :

Prereq.: Spanish 203. For students who want to perfect their fluency in current idiom. Prepared and impromptu group discussion on general topics and everyday situations. Frequent short talks by students. May not be taken by students who speak Spanish with native fluency. +

224. Advanced Grammar and Composition I. 3 hr.; 3 cr :

Prereq.: Spanish 204 or permission of department. A thorough review of Spanish grammar and usage on an advanced level; systematic practice in composition. Fall, Spring

225. Advanced Grammar and Composition II. 3 hr.; 3 cr :

Prereq.: Spanish 224. Further work in special problem areas of grammar, usage, and composition. Emphasis will be placed on Spanish style and idiom, with less reference to English patterns. Spring

228. Introduction to Literary Analysis. 3 hr.; 3 cr :

Prereq.: Spanish 224 or permission of department. Designed to provide students of Spanish with practice in the use of the fundamental tools and terminology necessary to the appreciation and evaluation of literature. Fall, Spring

231. Skills and Art of Translation I. 3 hr.; 3 cr.

Prereq.: Spanish 224 or permission of instructor. Introduction to the techniques and problems of translation; intensive practice in translating texts of various types.

232. Skills and Art of Translation II. 3 hr.; 3 cr :

Prereq.: Spanish 231. Translation of more advanced texts. Texts may be chosen not only from literature but from journalism, advertising, business, and other technical or specialized areas.

235. Commercial and Technical Spanish. 3 hr.; 3 cr :

Prereq.: Spanish 224 or equivalent. Provides adequate training in the use of Spanish for business, technical, and consular purposes by giving extensive practice in written and oral usage of the forms in use in these fields. Drill will be required in translation techniques, use of special vocabularies and other adjuncts as needed in practical usage in these and related fields of work.

236. Language Workshop. 2 hr.; 1 cr :

Prereq.: Spanish 228 or permission of department. Intensive practice in spoken Spanish for advanced students who have completed the 222228 sequence. Course may be repeated for credit. Not open to students who have the fluency of a native speaker.

237. Advanced Language for Teachers of Spanish. 3 hr.; 3 cr :

Prereq.: Spanish 228; coreq. with Education 364 for Spring student teachers and with Education 374 for Fall student teachers. An intensive review of grammar with special attention paid to the needs of individual students. Abundant practice in both written and spoken Spanish with special emphasis on the needs of future teachers. Required of all secondary education minors majoring in Spanish.

CIVILIZATION COURSES**310. The Civilization of Spain. 3 hr.; 3 cr :**

Prereq.: Spanish 206 or permission of department. attention to ethnic, political, and artistic aspects.

312. The Civilization of Latin America. 3 hr.; 3 cr :

Prereq.: Spanish 207 or permission of department. Attention to ethnic, political, and artistic aspects.

ELECTIVE COURSES IN SPANISH RENINSULAR LITERATURE**320. Spanish Literature of the Middle Ages. 3 hr.; 3 cr :**

Prereq.: Spanish 206 and 228 plus one elective beyond Spanish 228, or permission of department.

330. Spanish Theatre of the Golden Age. 3 hr.; 3 cr :

Prereq.: Spanish 206 and 228 or permission of department. The development of the *Comedia*. Attention to the *prelopidistas*; intensive study of the works of Lope de Vega, Tirso de Molina, Ruiz de Alarcon, Calderon, and other representative dramatists.

331. Spanish Poetry of the Golden Age. 3 hr.; 3 cr :

Prereq.: Spanish 206 and 228 or permission of department. A study of the major Renaissance and Baroque poets: Garcilaso, Fray Luis de Leon, San Juan de la Cruz, Garcilasco, Lope de Vega, and Quevedo.

332. Spanish Prose of the Golden Age. 3 hr.; 3 cr :

Prereq.: Spanish 206 and 228 plus one elective beyond Spanish 228 or permission of department. Focuses on the development of fiction (excluding Cervantes) as well as on other forms of sixteenth- and seventeenth-century prose.

333. Cervantes I. 3 hr.; 3 cr :

Prereq.: Spanish 206 and 228 or permission of department. A detailed reading and analysis of *Don Quijote*, with attention to its influence in Spain and on world literature.

334. Cervantes II. 3 hr.; 3 cr :

Prereq.: Spanish 333 or permission of department. A study of the *Novelas ejemplares*, the dramatic works, and poetry.

350. Nineteenth-Century Spanish Literature I. 3 hr.; 3 cr :

Prereq.: Spanish 206 and 228 or permission of department. The beginnings and development of *costumbrismo* and the Romantic movement in Spain.

351. Nineteenth-Century Spanish Literature II. 3 hr.; 3 cr :

Prereq.: Spanish 206 and 228 or permission of department. Further consideration of the evolution of Spanish literature with emphasis on the development of the realist novel .

360. Contemporary. Spanish Literature I. 3 hr.; 3 cr :

Prereq.: Spanish 206 and 228 or permission of department. Spanish literature from 1898 to the Civil War, with particular attention to outstanding authors and works in the drama, novel, essay, and lyric poetry. Fall

361. Contemporary Spanish Literature II. 3 hr.; 3 cr :

Prereq.: Spanish 206 and 228 or permission of department. Developments in the novel, poetry, drama, and thought from the Civil War to the present. Spring

LITERATURE OF SPANISH AMERICA

370. The Literature of Spanish America I. 3 hr.; 3 cr :

Prereq.: Spanish 207 and 228 or permission of department. The significant literary works produced in Spanish America from the Colonial period to 1888. May be taken independently of Spanish 371, 372, and 373. Fall

371. The Literature of Spanish America II. 3 hr.; 3 cr :

Prereq.: Spanish 207 and 228 or permission of department. Stresses the coming of age of Spanish-American literature. Ruben Dano and *modernismo*; realism in the novel; the development of the essay. May be taken independently of Spanish 370, 372, and 373. Spring

372. The Literature of Spanish America III. 3 hr.; 3 cr :

Prereq.: Spanish 207 and 228 or permission of department. A study of the significant literary works produced from the *post-modernista* period to 1940. May be taken independently of Spanish 370, 371, and 373. Fall

373. The Literature of Spanish America IV. 3 hr.; 3 cr :

Prereq.: Spanish 207 and 228 or permission of department. Developments in Spanish-American literature from 1940 to the present, with special emphasis on recent narrative fiction. May be taken independently of Spanish 370, 371, and 372. Spring

381. Seminar. 381.2 - 2 hr.; 2 cr ; ; 381.3 - 3 hr.; 3 cr :

Prereq.: Upper junior or senior standing, an average of B in elective courses taken in Spanish, and permission of department. Designed especially to give qualified students experience in scholarly investigation. Those admitted explore a field of Hispanic literature.

ROMANCE COURSES OFFERED IN ENGLISH**20. Seminar in Romance Language Teaching and Tutoring. 3 hr. of tutoring and 1 hr. seminar with attendance in an assigned section of language 111 or 112; 2 cr :**

Prereq.: French 224 or 225, Italian 224, Portuguese 224, Spanish 224 or 225, completed with B+ or better, or permission of department. Tutoring service will be available to students enrolled in French, Italian, Portuguese, and Spanish 111 and 112. Tutors will be trained and supervised through required observation of an assigned section of language 111 or 112, and through participation in weekly meetings with the seminar coordinator. A tutoring log and final report will be handed in at the close of the semester. The seminar may not be repeated for credit and the credit may not be applied toward the required credit for the Romance Languages major.

41. Early Romance Literature. 3 hr.; 3 cr :

This course is of a comparative nature and will use the literary resources of Romance cultures. The specific topics to be considered will vary from semester to semester and from section to section, and will be announced in advance. Readings and class discussions will be conducted in English. May be taken more than once for credit provided the topic is different.

42. Modern Romance Literature. 3 hr.; 3 cr :

This course is of a comparative nature and will use the literary resources of the Romance cultures. The specific topics to be considered will vary from semester to semester and from section to section, and will be announced in advance. Readings and class discussions will be conducted in English. May be taken more than once for credit provided the topic is different.

45. Romance Language Civilization. 3 hr.; 3 cr :

This course will deal with the non-literary aspects of Romance cultures, such as music, the visual and performing arts, film, and the history of ideas. Specific topics to be considered will vary from semester to semester and from section to section, and will be announced in advance. Readings and class discussions will be conducted in English. May be taken more than once for credit provided the topic is different.

Romance

361. Introduction to Romance Linguistics. 3 hr.; 3 cr :

Prereq.: French 206, or Italian 206, or Portuguese 206, or Spanish 206, or permission of department. A study of the origin and growth of the neoLatin languages, with particular attention to the historical development of French, Spanish, and Italian. Emphasis on the principles of both structural and semantic changes. Fall

Translation Studies

Students interested in obtaining a letter of achievement attesting to translation skills in French, Italian, or Spanish must complete four additional courses in Translation Studies. See page 204, Translation Studies, for details.

SCIENCE/SOCIAL SCIENCES SEMINAR

For information, see page 203.

Note: English 95 or its equivalent is the minimum corequisite for all courses (see pp. 38, 124).

+ -offered *either* Fall or Spring; see *Class Schedule*

++ -*may* be offered; see *Class Schedule*

SOCIOLOGY

Chair: Joanne Miller

Graduate Adviser: Andrew Beveridge

Assistant Chair for Evening Studies: Paul Blumberg

Dept. Office: Kissena 257, 520-7088

Professors: Beshers, Blumberg, Cohen, B., Cohen, S., Denitch, Goldner, Hellman, Kapsis, Rubin, Seller, Smith;

Associate Professors: Beveridge, Font, Levine, Mankoff, Miller, Min, Reichler, Savage, Zimmer;

Assistant Professors: Browne, Catsambis, Gallo;

Lecturer: Habtu;

Department Secretaries: Seeger, Williams

For those who major in sociology, the purposes of the department are to introduce students to the sociological perspective in order to enhance their understanding of and participation in society; to prepare students for graduate study in sociology and other social and behavioral sciences, or for graduate and professional studies in social work, law, urban planning, journalism, and related fields; to equip students for junior-level positions in health, education, and welfare, public opinion and market research, or research and administration in large-scale public and private organizations (social science positions beyond the junior level in these areas usually require graduate training); to give students a basic understanding of sociology for teaching in the social sciences.

The Major

Students who want to major in sociology are required to take Sociology 101, 205, 212, 331, 334, and at least four additional courses in sociology, one of which must be an elective at the 300-course level, for a minimum of 27 credits.

Majors are encouraged to complete Sociology 205 and 212 as early as possible in their college careers. Sociology 331 and 334 should be taken after 212. Students should take their 300-course level elective after having completed all other major requirements.

Students are urged to consult informally with faculty members as soon as they feel they might be interested in a sociology major. Further, each major must submit for approval to a department adviser a tentative plan of study before completing nine semester hours in sociology.

The Minor

Students who plan to minor in sociology are required to take Sociology 101, 212, and either 331 or 334, and at least three additional courses in sociology for a minimum of 18 credits.

Department Honors

Department honors at commencement are awarded to majors on the basis of their academic average within the College and within sociology. For details on this matter, inquire in the department office.

Honors Seminars

Honors Seminars in special topics are announced each semester. Students should inquire in the department office.

Courses

101. General Introduction to Sociology. 3 hr.; 3 cr :

A general introduction to the basic concepts, theories, methods, and findings of sociology. fall, Spring

103. Sociology of American Life. 3 hr.; 3 cr :

The development, structure, and sources of stability and change in American society, with special emphasis on its major social issues.

205. Social Statistics I. 3 hr.; 3 cr :

Prereq.: Sociology 101. Descriptive and inferential statistics, emphasizing interpretation of sociological data: distributions, correlations, and statistical significance. Not open to students with credit for Economics 249 or Psychology 107. Fall, Spring

210. The Modern Urban Community. 3 hr.; 3 cr :

Prereq.: Sociology 101. Factors involved in the development of the modern city and urban life style, with special emphasis on neighborhoods, residential distribution, and regional change. Fall, Spring

211. Ethnic and Racial Relations. 3 hr.; 3 cr :

Prereq.: Sociology 101. Major ethnic and racial groups, ethnic contact, and ethnic relations in American society and in other cultures.

212. Sociological Analysis. 3 hr.; 3 cr :

Prereq.: Sociology 101. The relationship between sociological theory and data through analysis of important sociological problems. Fall, Spring

213. Deviance and Social Pathology. 3 hr.; 3 cr :

Prereq.: Sociology 101. Different conceptualizations of "deviance" and the social processes through which people are labeled as "deviant." Representative categories of deviance such as drug abuse are examined. Fall, Spring

214. The Family. 3 hr.; 3 cr :

Prereq.: Sociology 101. Family organization in different societies, childbearing under normal and experimental conditions, and the future of the family. Fall, Spring

215. Sociology of Education. 3 hr.; 3 cr :

Prereq.: Sociology 101. The learning environment, including social characteristics of schools and students' relationships with groups and other institutions that affect academic success. Fall, Spring

216. Introduction to Social Psychology. 3 hr.; 3 cr :

Prereq.: Sociology 101. The way in which society affects each individual and how he or she affects the group's structure. Issues of self-development, socialization, group cohesion, and group norms are included. Fall, Spring

217. Crime and Juvenile Delinquency. 3 hr.; 3 cr :

Prereq.: Sociology 101. The major theories on crime and delinquency, methods of studying the offender, and crime statistics. Emphasis is on the criminal justice system, including the police, courts, and corrections. Fall, Spring

218. Mass Communication and Popular Culture. 3 hr.; 3 cr :

Prereq.: Sociology 101. Mass communications, such as the popular press, radio, television, and motion pictures, as institutions that both reflect and influence society. Fall, Spring

219. Class, Power, and Inequality. 3 hr.; 3 cr :

Prereq.: Sociology 101. Theories and research on stratification as the unequal distribution of scarce resources, including economic wealth and income, political power, and social prestige. Fall, Spring

220. Interpersonal Behavior and Group Process. 3 hr.; 3 cr :

Prereq.: Sociology 101. A course in the area of social psychology dealing with social interaction and group processes. The course focuses specifically on biological and cultural roots of interaction; small group processes; dyads and triads; game theory; social exchange. Fall, Spring

221. Sociological Aspects of Religion. 3 hr.; 3 cr :

Prereq.: Sociology 101. The nature of religion, its relationship to other institutions, and its changing role and function in modern society. Fall, Spring

222. Social Welfare as a Social Institution. 3 hr.; 3 cr :

Prereq.: Sociology 101. Social welfare as an institution, with emphasis on its structure and development, and sociological analysis of problems of aging, divorce, adoption, etc. Fall, Spring

223. Introduction to Social Work Method. 3 rec., 5 field hr.; 4 cr :

Prereq.: Sociology 101 and 222. The basic theory and practice of social work. Students are required to serve in supervised field placement one half day each week. Fall, Spring

224. Organizational Sociology. 3 hr.; 3 cr :

Prereq.: Sociology 101. Theories of large-scale organizations examined in terms of internal relations and effect on society. Managerial decision-making, conflict, power, belief systems, and social structures are analyzed in their organizational context.

226. Political Sociology. 3 hr.; 3 cr :

Prereq.: Sociology 101. The operation of power and the relation of political institutions to other sectors of society.

227. Sociology of Medicine. 3 hr.; 3 cr :

Prereq.: Sociology 101. An examination of the relevance of sociology and its perspectives with regard to the profession of medicine, its interpersonal dimensions, the training of medical personnel, and epidemiology. Emphasis is placed on the social as well as the biological and healing dimensions of medicine. Fall, Spring

228. Industrial Sociology. 3 hr.; 3 cr :

Prereq.: Sociology 101. The nature of industrialization and its effect on work, worker alienation, and the future development of industrial society. Fall, Spring

229. Collective Behavior. 3 hr.; 3 cr :

Prereq.: Sociology 101. The dialectics of unauthorized action and a critique of theories of "collective behavior." Fall, Spring

230. History of Sociological Theories. 3 hr.; 3 cr :

Prereq.: Sociology 101. Main theoretical points of departure in the interpretation of society and an analysis of how theories are constructed and undergo change.

235. Computers and Society. 3 hr.; 3 cr :

Prereq.: Sociology 101 and 212. The implications of computers for social research and the implications of computers for society. Technical issues in computer systems are examined, with emphasis on the special needs of social scientists. Quantitative, linguistic, and graphic techniques will be discussed, and procedures for constructing and maintaining social data bases will be reviewed.

236. Population Problems. 3 hr.; 3 cr :

Prereq.: Sociology 101. Social factors influencing fertility and contraceptive use, mortality and migration; consequences of population growth; and population policies and programs in various societies. Fall, Spring

237. Sociology of Selected Countries. 3 hr.; 3 cr :

Prereq.: Sociology 101. A sociological analysis of the development of various societies, their institutions, sources of stability and change, and major social issues. Selected areas for analysis might include individual countries, larger regions, or types of societies. Course may be taken repeatedly as the area analyzed changes.

238. Social Change and Social Movement. 3 hr.; 3 cr :

Prereq.: Sociology 101. Social change and major social movements in past and contemporary societies, with special focus on important theories of social change. Fall, Spring

239. Sociology of Developing Countries. 3 hr.; 3 cr :

Prereq.: Sociology 101. Origin and nature of problems and processes in developing areas: interrelationships between institutions, social change, and poverty.

240. Selected Topics in Sociology. 3 hr.; 3 cr :

Prereq.: Sociology 101. Topics to be announced.

241. The American Jewish Community. 3 hr.; 3 cr :

Prereq.: Sociology 101. Demographic and social characteristics, communal and political organization, and problems of identity and assimilation within the American Jewish community.

242. Modern Israel: Sociological Aspects. 3 hr.; 3 cr :

Prereq.: Sociology 101. This course will detail, analyze, and observe modern Israeli society, its social organization, development, and various ethnic groups. Included are the North Africans, Eastern and Western Europeans, Arabs, Armenians, and Americans who make up the texture of modern Israeli society. Specialists on each of these groups will be invited to address the class, and material artifacts will also be examined.

243. Sex and Gender in Comparative Perspective. 3 hr.; 3 cr :

Prereq.: Sociology 101. This course explores the social construction of gender in a comparative-historical perspective. Emphasis is given to the ways in which particular social and historical conditions shape gender relations in the economy, the political system, the family, and the ideology and practice of sexuality.

244. Sociology of Women. 3 hr.; 3 cr :

Prereq.: Sociology 101. This course explores the changing position of women as a social group, focusing on the contemporary United States. The sexual division of labor in the paid labor market and in the household, the relationship of women to family change and "family crisis," the changing role of women in politics, and the changing social construction of female sexuality will be studied.

245. Women and Work. 3 hr.; 3 cr :

Prereq.: Sociology 101. An exploration of the changing situation of women in the U.S. workforce. Included is a study of the causes and consequences of job segregation by sex, and sex differentials in pay. The relationship between women's paid work and their role in the family and society will also be explored.

246. The Sociology of Human Sexuality. 3 hr.; 3 cr :

Prereq.: Sociology 101. This course explores the social sources of patterns of human sexuality. Among the topics examined are why sexuality has been regulated in all known societies, the sociology of heterosexual and homosexual behavior and identity throughout the life cycle, gender-based sexual socialization, sexual politics (e.g., rape) and commercial sex (e.g., prostitution and pornography).

247. Sociology of Law. 3 hr.; 3 cr :

Prereq.: Sociology 101. This course addresses sociological aspects of legal practice, legal theory, legal institutions, and the impact of law on society.

249. Sociology of Cinema. 4 hr.; 3 cr :

Prereq.: Sociology 101 or CAS 143 or 144. Film as both a reflection and refraction of society will be explored primarily through comparing American films from different time periods. The course will concentrate on the relationship between films and the industrial system that produces them - an area neglected by most film scholars and cultural sociologists. Fall, Spring

250. Sociology of Friendship. 3 hr.; 3 cr :

Prereq.: Sociology 101. This course examines friendship and other primary relationships from a sociological perspective. Social psychological and sociological theory are used to understand friendship as a social phenomenon. The course focuses on friendship as a type of social relationship; how it reflects and affects social structures is discussed. All students are encouraged to pursue individually, or as a member of a group, original social research.

261. Puerto Rican and Latin American Immigration. 3 hr.; 3 cr :

Prereq.: Sociology 101. The consequences and process of Puerto Rican and Latin American immigration to the United States. Social, demographic, and economic patterns are examined.

271. The Black Family. 3 hr.; 3 cr :

Prereq.: Sociology 101 or permission of instructor. Sociological theories regarding the black family. Topics include: changes in the family; relations with public and social institutions; the nature of male/female relationships; the present state of the extended family; the black family as an agent in the social development of children.

272. Blacks in American Society. 3 hr.; 3 cr :

Prereq.: Sociology I 01 or permission of instructor. Examines blacks in American society. Topics include: rural-urban migration; blacks in the urban setting; position of blacks in the changing structure of the American economy (black middle class and under class); the question of the declining significance of race; the relations among native and immigrant blacks.

273. Social Change in Africa. 3 hr.; 3 cr :

Prereq.: Sociology 101 or permission of instructor. Problems and processes of social change in Africa. Theories of social change are evaluated in the context of Africa. Topics include: ethnicity; nationalism; rural and traditional social structures; urbanization and urban problems; class relations; state structures; state and civil society; social development.

274. Social Change in the Caribbean. 3 hr.; 3 cr :

Prereq.: Sociology 101 or permission of instructor. Problems and processes of social change in the Caribbean. Various theories of social change are evaluated in the Caribbean context. Topics include: ethnic and race relations; migration (internal and external); state structures; state and civil society; interstate relations; problems of social development.

288. Sociology of American Popular Music: Blues, Jazz, Rock and Roll. 3 hr.; 3 cr :

Prereq.: Sociology 101. Sociological and social-historical perspectives on American popular music, focusing especially on questions of race, class, gender, culture, and the music industry.

306. Social Statistics 11.3 hr.; 3 cr :

Prereq.: Sociology 101 and 205. Additional and more advanced statistical methods applied to the analysis of sociological data; multiple and partial correlation, analysis of variance, etc. Fall, Spring

325. Field Work. 3 field hr.; 1 cr :

Prereq.: Sociology 101. Supervised field experience for sociology majors. Fall, Spring

331. Foundations of Sociological Theory. 3 hr.; 3 cr :

Prereq.: Sociology 101. Problems in sociological theory with special emphasis on contemporary approaches and general processes of theory construction. Fall, Spring

332. Sociology of Knowledge. 3 hr.; 3 cr :

Prereq.: Sociology 101. Concerns the relationship between ideas and the social structure. Theories proposed by Marxists, phenomenologists, and functionalists to explain the relationship are examined.

333. Social Science Research Using Computers. 3 hr.; 3 cr :

Prereq.: Sociology 101. Introduction to the computer-assisted conduct of social science research; data gathering, processing, analysis, interpretation and report writing.

334. Methods of Social Research. 3 hr.; 3 cr :

Prereq.: Sociology 205 and 212. A study of various methods of social research, combined with practical experience in their application. Fall, Spring

348. Orthodox Jews in America. 3 hr.; 3 cr :

Prereq.: Sociology 101; Sociology 241 recommended. This course sociologically examines the contemporary condition of American Orthodoxy. Particular emphasis is placed on the persistence of traditional Judaism in modern America and the social tensions this engenders. Comparisons between Orthodox and other Jewish sects will be made, as well as between other traditional faiths.

351. Social Ecology: Field Study of a City. 3 hr.; 3 cr :

Prereq.: Sociology 101. This course, each time using a particular city itself as a field setting, will enable students, under the supervision of the instructor, to examine the social ecology of neighborhoods, community life, urban development, and change on site. Lectures and tours through various sections of the city will focus on continuity and change, revitalization and change.

355. Practicum in Academic Advisement of the Sociology Major. 1 hr. plus conf.; 1 cr :

Prereq.: A minimum of three courses in sociology at Queens College, junior standing, and Student Personnel 200 (introduction to Counseling and Advisement).

This course, which is open to sociology majors only, may be taken concurrently with Student Personnel 300 (Practicum in Counseling and Advisement) or as a third-semester peer adviser. Students will be required to spend two hours a week interviewing students at the Department of Sociology, participate in various projects (e.g., developing a tutoring service, obtaining career and graduate training information) for 1 to 2 hours per week, and attend semi-monthly meetings with the Sociology Department supervisor, which will involve discussions of interview techniques, role playing, and recent developments in sociology. Course may be taken twice for credit. Fall, Spring

381. 382. Senior Seminars. 3 hr.; 3 cr :

Prereq.: Advanced standing in sociology. Topics to be announced. (No student is permitted to enroll in more than one seminar per semester.)++

383. Social Work Practicum. 1 hr. seminar plus 6 hr. practicum; 3 cr :

Prereq.: Sociology 101 and 222 and junior standing. Former Sociology 222 students will lead weekly discussion sections of present Sociology 222 students on major social work topics such as death, aging, drugs, alcohol, and divorce. In addition to a one hour per week seminar with the instructor, students will attend all 222 class sections and meet with their panels for a minimum of three scheduled hours per week. Can be repeated once for credit if topic of panel led by students is changed. Fall, Spring

391,392. Special Problems. 3 hr.; 3 cr :

Prereq.: Open to seniors of advanced standing (approx. A average in the department) majoring in sociology who receive permission of the department to register.

The student undertakes an individual research problem and pursues it under the direction of a member of the department.

SPECIAL PROGRAMS

Chair: Barbara W. Emerson

Dept. Office: Delany Hall, 997-3130

Associate Professor: Harris;

Assistant Professors: Emerson, Patterson, Rodway, Simpson;

Lecturers: Breland, Brienes, Fisher, Hopkins, Jackson, Jenkins, McCoy, Modeste, Rodan, Stone, Townsend;

Assistant Director of Faculty and Curriculum: vacant;

Director of Administrative Services: Cook;

Director of Counseling: Jenkins; *Chair,*

Committee on Scholastic Standing: Lloyd;

Financial Aid and Budget Officer: Franklin;

Tutoring Coordinator: Cannon-Pitts;

Financial Aid Officers: Bailey, Crawford, Smith;

Assistant Director of Administrative Services: Gittens;

Department Secretaries: Hanratty, Warantz;

College Assistants: Alston, Gerard, Johnson, Shi

The primary function of the Department of Special Programs is to house programs especially designed for educationally under prepared and low-income students. It currently contains the SEEK Program, which is described elsewhere in this *Bulletin* (see page 16). More information is available in the Operation SEEK Student Handbook, obtainable from the office of the Director of the SEEK Program.

The department does not offer a major or minor course of study.

The following courses, offered by the department, meet the College Basic Skills requirements.

Reading Courses

The Reading Program is an organized effort that better equips the student to deal effectively and efficiently with college material. Realizing that a student comes to the program with skills, abilities, and experiences, we make them part of his or her learning activity. The curriculum is integrated with material that will assist the student's understanding of social problems and his or her immediate reality. The student is required to take a reading placement examination before enrollment.

SEEK 120. Reading IA. (formerly SP 100) 4 hr.; 1 cr :

Emphasis on comprehension development, word recognition, oral reading, listening skills, and enrichment activities. Designed for SEEK students whose native language is not English.

SEEK 121. Reading IB. (formerly SP 101) 4 hr.; 1 cr :

Emphasis is on the building and expanding of an appropriate, fluent, academic vocabulary by using phonetic, context, and structural clues.

SEEK 122. Reading II. (formerly SP 102) 4 hr.; 2 cr :

Prereq. :SP 101 or permission of the student's instructor in SEEK 120.

Emphasis is on the development of skills for building vocabulary and comprehension of reading material in sentence and paragraph form

SEEK 123. Reading III. (formerly SP 103) 4 hr.; 2 cr :

Prereq.: SP 102. A student may not receive credit for both SEEK 123 and Reading I (College Reading and Study Skills).

Emphasis is on comprehension, critical reading, reading rate, study skills, and test-taking skills.

ENGLISH

SEEK 099. Basic Writing. (formerly English 001) 4 hr. plus con/; 0 cr.

Emphasis is on basic grammar, a sense of the sentence and a sense of the paragraph. For students who score 5 or lower on CUNY Assessment Test.

SEEK 100. An Introduction to Composition. (formerly English 100) 4 hr. plus conf.; 2 cr.

Prereq.: Score between 6 and 9 on CUNY Assessment Test in writing. Emphasis is on the concept of paragraphing, grammar, and usage, as well as on description and narration. The course includes selected prose readings.

SEEK 101. English Composition. (formerly English 101) 4 hr. plus conf.; 3 cr :

Prereq.: SEEK 100 or score of 10 or higher on CUNY Assessment Test in writing. Emphasis is on the expository essay and on the research paper. The course includes selected prose readings.

SEEK 102. Introduction to Literature and

Analysis. (formerly English 102) 4 hr. plus conf.; 3 cr :

Prereq.: SEEK 101. Emphasis is on analysis in reading and in writing. The course combines continued training in writing clear and effective essays with studies in literature.

ROMANCE LANGUAGES

SEEK 131. Elementary Spanish 1. (formerly Spanish 1) 5 hr.; 4 cr :

The first semester of study of elementary Spanish, emphasizing the four skills of language study.

Note: English 95 or its equivalent is the minimum corequisite for all courses (see pp. 38, 124). - offered *either* Fall or Spring; see *Class Schedule*
++ -*may be offered*; see *Class Schedule*

SEEK 132. Elementary Spanish 11. (formerly Spanish 2) 5 hr.; 4 cr :

Prereq.: SEEK 131 or two years of high school Spanish. A continuation of SEEK 131.

MATHEMATICS

SEEK 1. Techniques of Computation. (formerly Math 1) 4 hr.; 0 cr.

This course is designed for students who need a review in arithmetic skills. It will also provide an introduction to elementary algebra.

SEEK 4.15, 4.16. Elementary Algebra. (formerly Math 4) 2 cr.

This course is designed for students with poor mathematical background, especially for those who have not had elementary algebra.

SEEK 6.14. Intermediate Algebra. (formerly Math 6) 4 hr.; 1 cr :

Successful completion of this course satisfies the basic requirement in mathematics and prepares the student for Mathematics 1 O, 12, 14, 21, and 100. Students who have done well in Mathematics 6 may obtain permission to take Mathematics 101.

SEEK 10.24. Precalculus. 10.24-4 hr.; 2 cr :

Prereq.: Mathematics 6 or knowledge of intermediate algebra.

This course provides a background in those topics that are needed to be successful in calculus. Topics include graphing techniques, systems of equations, functions, logarithms, and trigonometry. Mathematics 10 will prepare students for Mathematics 21, 100, 101, or 111, depending on the individual's progress. Fall, Spring

SOCIAL SCIENCE

The following are interdisciplinary social science courses not belonging within any one of the social science departments.

SEEK 111. Social Science 1. (formerly Social Science 1) 4 hr.; 2 cr :

The purpose of this interdisciplinary social science course will be to develop the elementary conceptual and methodological skills the student needs in order to understand and utilize the social sciences.

SEEK 112. Social Science II. (formerly Social Science 2) 4 hr.; 3 cr :

Prereq.: SEEK 111. The first of a two-sequence core of compensatory courses to introduce the student to an interdisciplinary approach to the social sciences. The course objectives are to distinguish between the social sciences and the natural sciences, analyze the historical context within which the social sciences developed, introduce students to a group of central concepts and major intellectual orientations within the social sciences, and to develop specific skills in areas of

reading and writing social science materials, research, examination taking, and interpreting maps, graphs, and tables.

SEEK 113. Social Science III. (formerly Social Science 3) 4 hr.; 3 cr :

Prereq.: SEEK 112. This course focuses on examining the manner in which the social sciences deal with social problems. It is a course aimed at the application of the various social science approaches to a number of social problems like poverty, race, etc. As such it will be an interdisciplinary course and students will be encouraged to use this approach to research a number of problems.

SEEK 195. STUDENT LIFE WORKSHOP. 1 hr. plus required individual counseling sessions and two 2 hr. library laboratories; 1 cr :

P/NC. The purpose of the Student Life Workshop is to provide incoming Special Program students with an orientation to SEEK and Queens College requirements and procedures. Assists the student in adjusting to the transition from high school to college and to the new experience of college and its new responsibilities. Course requirements will include reading and writing assignments designed to reinforce participation in other SEEK required courses. Fall, Spring

STUDENT PERSONNEL

Dean of Students and Chair: Barry W. Reister

Dept. Office: Powder maker 116, 997-5500

Associate Professors: Fleming, Frisz, Reister;

Assistant Professors: Backner, Pardes;

Members of Dean of Students Staff- HEO: Strauss;

HEO Associates: Asfaw, Lefkoe;

HEO Assistants: Barkoff, Franzese, Grosso, Hayes, JenkinsPearsall, Knecht, Mandel, McCaffrey, Parfish;

Staff Nurse: Bernard;

Assistants to HEO: Caporossi, Gago, Gray, Reiner, Rondot;

Special Counselor: DiBennardo;

Special Services Counselor: Cohen;

Homebound Coordinator: Hope;

Upward Bound: Anderson, Cruz-Atwell, Wanyonyi;

Child Care Teachers: Bergen, Brown;

Office Manager: Glassier;

Secretaries: Glean, Hosford, Johnson, L. Johnson, M., Lynch, Reicher;

Support Staff: Cummings, Leibowitz, Mann, Mazzoni, Meyerson, Ross, Taylor Anderson

Note: English 95 or its equivalent is the minimum corequisite for all courses (see pp. 38, 124). - offered *either* Fall or Spring; see *Class Schedule*, t-may be offered; see *Class Schedule*

The Department of Student Personnel is concerned with all students and their campus life. The Counseling and Advisement Office, Peer Advisement Program, Minority Affairs, Scholarships Adviser, Committee on Honors and Awards, the Office of Student Activities, Career Development Center, Health Service Center, Office of Financial Aid Services, Child Care Center, Office of Special Services for Disabled Students. and Upward Bound are under the jurisdiction of the Dean of Students.

The activities and services of the department and other units are described in the section of this *Bulletin* entitled "Student Life."

For Special Courses, see page 203, Special Sequences and Courses.

TRANSLATION STUDIES

See Special Sequences and Courses on page 204.

URBAN STUDIES

Chair: Martin D. Hanlon

Assistant Chair for Evening Studies: Alice Sardell

Dept. Office: Powder maker 376, 997-5130

Professors: Bienstock, Lawson, Seley, Steinberg;

Adjunct Professor: Gallent;

Associate Professors: Hanlon, Muraskin, Rodberg, Sardell;

Adjunct Associate Professors: Bass, Burlage, Cherry;

Assistant Professor: Tchen;

Adjunct Assistant Professors: Fortuna, Pam, Yazicioglu;

Adjunct Lecturers: Benson, Edel, Koch;

Department Secretary: Abel;

Director of Community Studies Office: Manning

Urban Studies is concerned with metropolitan areas in terms of urban problems, community organization and development, administration, and public policy. The various social science disciplines are drawn upon to develop an understanding of, and solution to, the problems that characterize modern urban civilizations.

The undergraduate program provides a background for students who intend to work in city or state government, planning, community organization, law, or related fields.

The Major

The major consists of 39 credits in courses from the Department of Urban Studies and closely related disciplines. It includes the following:

1. Urban Studies 101.
2. Urban Studies 200 (or equivalent).
3. 6 credits to be chosen from among Economics 101 (or 1), Political Science 102, and Sociology 101.
4. Either Urban Studies 360 or 370. 5.24 credits of courses in Urban Studies that will be arranged with, and approved by, an adviser to give a concentration in a field of Urban Studies. Such concentrations include Housing and City Planning, Health and Human Services, and Ethnic Groups and Communities. Sociology 205 or 222 may be included among the 24 credits, if appropriate.

The Minor

The minor consists of 18 credits in Urban Studies, including Urban Studies 101 or 102. At least three courses must be at the 200 or 300 level. If the student has not taken a course in social science methods or in statistics, then Urban Studies 200 must be taken in addition to the 18 credits in Urban Studies.

Courses

14. Urban Aesthetics. 3 hr.; 3 cr :

The city as an aesthetic environment and its effects on aspects of urban life.

101. Urban Issues: Poverty and Affluence. 3 hr.; 3 cr :

Causes of prosperity and decline of cities; local fiscal strength and weakness; determinants of the individual income distribution; the role of the urban job market and other markets; economic and cultural theories of poverty; attitudes toward the poor; the role of federal policy. Fall, Spring

102. Urban Issues: Services and Institutions. 3 hr.; 3 cr :

Survey of urban public programs. Analysis of selected examples (taken from health, transport, housing, education, welfare, protective, and other services). Comparison of analytical approaches to the analysis of institutions. Role of private, voluntary, and labor organizations in service delivery. Fall, Spring

105. Socioeconomic and Political Power in the City.. 3 hr.; 3 cr :

Analysis of forces that shape decision-making and public policy in the modern city. The course will examine the influence of political, economic, and social interest groups (including business, labor, and communities), as well as that of bureaucracies, political parties, and "machines ." The relation of power and influence to the outcomes of policy will be explored.

106./Anthropology 106. Cultural and Historical Development of Cities. 3 hr.; 3 cr :

The anthropological and historical analysis of the development of cities throughout the world and over the past five millennia. The course will present various theories of the emergence of different types of cities. +

107. Historical Perspective on Current Urban Problems. 3 hr.; 3 cr :

A study of current urban problems in historical perspective. The course examines problems brought to American cities by rapid growth, industrialization, commercial change, and economic cycles during the past century. The policies that were developed in response to these problems will be examined both as sources of current problems and as experiments whose results may be useful in formulating new policies.

113. Urban Subcultures and Life Styles. (formerly Urban Studies 108) 3 hr.; 3 cr :

The study of different subcultural life styles found in the modern city including those based on economic position, ethnic background, age, and social or sexual preference. Also studied are the effects of different urban conditions on individual life styles; attitudes toward life in the city, suburbia, and the country; images of city life.

114. Sexual Variance in the City. 3 hr.; 3 cr :

This course studies the diverse sexual subcultures which flourish in urban areas. Special attention is paid to the interaction of urban cultures with these sexual subcultures, and to the unique influence of the urban environment on sexual diversity and innovation.

117./Elementary Education 104. Introduction to Urban Education. 3 hr.; 3 cr :

This course is designed primarily for non-education majors. The focus is on the structure and history of education in the United States, especially the urban areas. It will explore questions involved in such areas as desegregation, financing, socioeconomic class, multicultural populations, and teaching as a profession.

131 ./Health and Physical Education 113. Urban Health Issues. 3 rec. hr., fieldwork; 4 cr.

A review of health problems affecting the urban population. Emphasis on overpopulation, pollution, housing, and accidents.

132. Health Services and Policy. (formerly Urban Studies 114) 3 hr.; 3 cr,

An introduction to the structure and functions of institutions that provide personal and public health service. The course analyzes public policy issues, including educational licensing and the financing and regulation of health care services.

141. Introduction to Housing and Urban Planning. (formerly Urban Studies 116) 3 hr.; 3 cr :

An introduction to theoretical, methodological, and practical issues involved in social and physical planning for urban areas. It will include issues such as attracting economic development, the citing of public services and facilities, and the regulation and supply of housing.

151. Neighborhoods in the City and Suburbs. (formerly Urban Studies 104) 3 hr.; 3 cr :

Analysis of the structural and functional properties of neighborhoods and their relation to the larger city and to urban problems. +

200. Methods in Urban Research. 3 hr.; 3 cr.

Prereq.: 6 credits in urban studies, anthropology, economics, political science, or sociology. An introduction to the methods employed in urban research, with an emphasis on demographic analysis, survey research, and observation. Students are taught how to interpret published research and how to plan and organize their own research and write reports. (Not open to students who have taken Soc. 212 and 334. For Urban Studies majors who have taken these two courses, the requirement of Urban Studies 200 will be waived.)

202. Racial and Ethnic Minorities in Urban America. 3 hr.; 3 cr :

Prereq.: 6 credits in urban studies, anthropology, economics, political science or sociology.

This course provides an overview of theory and research on American racial and ethnic minorities, with an emphasis on the relationships between these groups and urban institutions.

203. Case Studies of Race and Ethnicity in Urban America. 3 hr.; 3 cr :

Prereq.: Any six credits in anthropology, history, political science, sociology, or urban studies. Each semester a different racial or ethnic minority will be selected for intensive study, with emphasis on how its community and culture have changed through time. Students will be encouraged to participate in field research within the racial or ethnic community under examination. May be repeated once if topic varies.

204. Women in the City. 3 hr.; 3 cr :

Prereq.: Any 6 credits in anthropology, economics, history, political science, sociology or urban studies. This course studies the special influence of the urban environment on the lives of women. Topics include: Differences in women's roles between urban and rural societies; "women's work" in urban societies; the effects of urban habitation and the physical environment (the "built" environment) on women; women as consumers and providers of municipal services.

206. Cities of the World. (formerly Urban Studies 225) 3 hr.; 3 cr :

Prereq.: 6 credits in urban studies, anthropology, economics, political science, or sociology. Studies development of foreign cities and attempts to solve problems that also face American cities. Comparative analysis of urban ecology and urban service institutions.

207. Development of the American City. 3 hr.; 3 cr :

Prereq.: Any 6 credits in anthropology, history, political science, sociology or urban studies. This course emphasizes the changing structure and function of American cities from their early history to the present day. Emphasis will be placed on the changing economic, political, and social impact of cities on the United States as a whole, and on major public service problems with which cities have had to deal. The various models for administration of housing, employment, transportation, public health, education and crime will be studied in historical context, with the special goal of finding relevant messages for contemporary public administration and urban planning.

210. Urban Protest Movements. 3 hr.; 3 cr.

Prereq.: 6 credits in urban studies, anthropology, history, political science, or sociology. This course analyzes movements for change in urban policies and institutions, especially mobilizations by groups without ready access to power through normal political channels.

212. Religion and Politics in Urban Society. 3 hr.; 3 cr :

Prereq.: Any 6 credits in anthropology, history, political science, religious studies, sociology or urban studies. This course considers examples of both left leaning and right-leaning religiously motivated political action, abroad and in New York City. Guest speakers whose political actions are rooted in their religious communities and faith will present their views in class.

214. Urban Religious Movements. 3 hr.; 3 cr.

Prereq.: Any 6 credits in anthropology, history, religious studies, sociology or urban studies. Most new religious movements today are centered in urban areas, and these are the cutting edge of the segment of the population that is becoming more religious while many of the long-established religious groups are experiencing loss in seminarians and in attendance. This course examines the dynamics of these religious movements and their impact on urban society.

220. Studies of Selected Urban Service Institutions. 3 hr.; 3 cr :

Prereq.: 6 credits in urban studies, anthropology, economics, political science, or sociology. Analysis in depth of a public or private institution or system of institutions providing services to urban residents. Different institutions will be analyzed each semester. (May be repeated once for credit provided the institution studied is different.)

221. Public Policy and Implementation. (formerly Urban Studies 210) 3 hr.; 3 cr :

Prereq.: 6 credits in urban studies, anthropology, economics, political science, or sociology. Analysis of the relationships between the development of public policy and the actual delivery of service: How resources are allocated in theory and practice.

223./Political Science 223. Introduction to Public Administration. 3 hr.; 3 cr :

Analysis of the theoretical basis for administration; philosophies of administration, Description of the tools of administration and the relationship of administrative organization to other institutions in modern society.

225. Urban Criminal Justice System. 3 hr.; 3 cr :

Prereq.: Any 6 credits in anthropology, history, political science, sociology, or urban studies. This course will deal with the modern criminal justice system as it has developed through time in cities. Special attention will be given to the urban problems that led to the creation and evolution of the professional police, criminal courts, and penal institutions. Emphasis will be placed upon the specifically urban influences (demographic, geographic, political, economic, and social) that originally shaped and continue to mold the criminal justice system.

232. Health Policy-Making. 3 hr.; 3 cr :

An examination of the process of health policy making at the city, state, and federal levels of government, from agenda-building through policy formulation, adoption, implementation, and evaluation of health policies. The nature of the relationships among executives, legislators, bureaucrats, judges, and other participants will be analyzed.

233. AIDS and Public Policy. 3 hr.; 3 cr :

Prereq.: Any 6 credits in anthropology, health education, history, political science, sociology, or urban studies, This interdisciplinary course addresses the medical, epidemiological, and psychosocial issues surrounding the AIDS epidemic. It places the epidemic within a social, political and policy context, examining the impact of the AIDS epidemic upon the U.S. urban setting, including a specific analysis of the medical, public health, legal, and housing institutions,

235. Urban Epidemics: TB 10 AIDS. 3 hr.; 3 cr :

Prereq.: Any 6 credits in anthropology, health education, history, political science, sociology, or urban studies. This course will deal with infectious diseases in American cities over time. Severe epidemics of contagious disease are a creation of civilization, requiring as they do the large population that crowded cities provide. The course will deal with a number of devastating diseases (among them tuberculosis, cholera, syphilis, hepatitis, polio, and AIDS) and their effect on city life. The social construction of disease and the changing cultural meanings of different diseases will be dealt with.

241. Metropolitan Real Estate Markets. 3 hr.; 3 cr :

Prereq.: Urban Studies 101 or Economics 101. An introduction to the real estate industry and the housing market, and to their place in urban society. Topics to be considered include land ownership law, zoning, and taxation; mortgage banking and its regulation and the roles of developers and Realtors. Attention will be given to the market forces which affect prices of real estate and rates and terms of mortgages, and to the social consequences of real estate institutions, markets, and regulation, considering issues of neighborhood change, the distribution of profit, and the role of government.

242. Landlord-Tenant Politics in New York. 3 hr.; 3 cr :

Prereq.: Any 6 credits in anthropology, history, political science, sociology, or urban studies. Dynamics of the landlord-tenant relationship and its political impact. The evolution of this relationship since the mid-nineteenth century is considered, with special attention to issues such as: rent regulations, conversions, gentrification, abandonment, and homelessness.

251. History 280. Urban Planning in the American Past. 3 hr.; 3 cr :

How Americans designed and built towns and cities; an examination of the city-building process, emphasizing landmark urban plans.

261. Urban Job Markets. 3 hr.; 3 cr :

Prereq.: Any 6 credits in accounting, economics, history, political science, sociology, or urban studies. Changing job structures and labor force patterns and trends are considered in relation to employment and unemployment, education, discrimination, government programs, labor unions,

business policy, and economic and social change. Human Resource development and policy are studied in the urban setting.

307. Organizing the Public. 3 hr.; 3 cr :

This course combines fieldwork in projects sponsored by the New York Public Interest Research Group (NYPIRG) with lectures and workshops on skills related to citizen organizing. The history of student activism and its relationship to urban problems will also be discussed. Seven hours of fieldwork per week are required, with weekly field notes, and a final report which draws on fieldwork, reading, and class discussions.

320. Special Problems. 3 hr.; 3 cr :

Prereq.: Junior standing and permission of department. Selected issues in urban studies, with individual work done by the student. (May be taken twice for credit provided the topic is different.)

360. Urban Research Workshop. 3 hr.; 3 cr.

Prereq.: Urban Studies 200, junior standing, and permission of department. Exploration of several methodological approaches to social research in the urban area. Group research projects utilizing these techniques to explore an urban problem in depth. (May be taken twice if the project is different,)

370. Fieldwork in Urban Studies. 1-7 hr. fieldwork; 3 cr :

Prereq.: Permission of the department. This course is designed to give the student practical experience in urban affairs and may take a variety of forms, such as development and execution of a research project requiring collection of data in the field, or practical experience in an urban institution under special supervision. Students will be assigned appropriate required reading. (May be repeated once for credit provided the project is different.)

390. Tutorial. Hr. to be arranged; 3 cr :

per semester. Prereq.: One course in Urban Studies at the 200 or 300 level, junior standing, and permission of department. Further specialization and advanced work involving directed readings and research on a topic chosen by the student and his or her faculty sponsor. Includes regular conferences with the sponsor and preparation of a paper. (A student may receive credit for no more than two tutorials in Urban Studies and may take only one tutorial in a semester.)

WOMEN'S STUDIES

Acting Director: Deborah R. Geis *Office:* T-3, Room 5,997-3098

Queens College offers an interdisciplinary major and minor in Women's Studies. The Women's Studies curriculum is designed to provide students with a solid foundation in the issues and methodologies appropriate for the study of women. The major consists of core requirements (12 credits), distribution requirements (a minimum of 9 credits), and elective requirements (a maximum of 15 credits).

The Major

Core Requirements (12 credits)

WS 101. Introduction to Women's Studies

WS 201. Theories of Feminism

WS 310. Research Seminar in Women's Studies

WS 320. Field Work in Women's Studies

Distribution Requirements (minimum of 9 credits)

The student must take at least one course from those concerning Scientific Theories of Gender, one from those concerning Women and Culture, and one from those concerning Women and Society. Additionally, one of these courses will concern questions of race or ethnicity. When WS 210 is offered, the Director of Women's Studies will specify which distribution requirement it satisfies. These courses should be selected from the following:

Scientific Theories of Gender

Biology 51. Sociobiology

Health Ed. 224. Human Sexuality

Psychology 353. Psychology of Sex Roles

Psychology 354. Sexual Behavior

Women and Cultural Traditions

Anthropology 203. Human Sexuality

Anthropology 222. Women in Comparative Perspective

English 326. Women Writers and Literary Tradition

Women and Society

Economics 230. Women's Issues in Economics

History 270. History of Women in the United States

History 247. Women in Modern European

History PRST 208. The Puerto Rican and the Latin American Woman

Sociology 243. Sex and Gender in Comparative Perspective

Sociology 244. The Sociology of Women

Sociology 245. Women and Work

Sociology 246. The Sociology of Human Sexuality

Sociology 271. The Black Family

The following courses may deal with topics concerning women and women's roles, and may satisfy distribution requirements. Consult the Director before registering for these courses.

WS 210. Selected Topics in Women's Studies

Comp. Lit. 225. Literature & Anthropology

Phil. 120. Contemporary Issues in Philosophy

Pol. Sci. 381. Seminar in American Politics

Sociology 240. Selected Topics in Sociology

English 396. Studies in Language, Literature, and Culture

Economics 383. Seminar in Selected Studies in

Economics GRST 201. Colloquium on the GreekAmerican Community

Electives (at least 15 credits)

Home Economics 147. Family Relations

Home Economics 157. History of Costumes and Furnishings: Ancient Egypt to the French Revolution

Home Economics 158. History of Costumes and Furnishings: French Revolution to the Present
Sociology 214. The Family

WS 390. Tutorial in Women's Studies

The student may also use any courses listed under Distribution Requirements that are not used to satisfy distribution requirements. For courses with varying topics, consult the Director.

The Minor

The minor consists of a minimum of 21 credits in Women's Studies, including the core (12 credits) and the distribution requirements (9 credits). Students must have prior approval of the Director in order to include courses with varying titles among the distribution requirements.

Courses

101. Introduction to Women's Studies. 3 hr.; 3 cr :

This course will provide a survey of the field of Women's Studies. The objective will be to introduce students to theories about similarity and difference between men and women and to increase students' understanding of the historical and current position of women in society, and the participation of women and their depiction in cultural traditions.

Note: English 95 or its equivalent is the minimum corequisite for all courses (see pp. 38, 124). - offered *either* Fall or Spring; see *Class Schedule*
++ -*may* be offered; see *Class Schedule*

201. Theories of Feminism. 3 hr.; 3 cr :

The main theories used in Women's Studies today will be analyzed from a historical perspective and with respect to the combined effects of gender, race, and class on the status of women in contemporary society. The course will include the study of the problems inherent in establishing full social equality for women.

210. Selected Topics in Women's Studies. 3 hr.; 3 cr :

Topics to be announced. May be taken more than once if the topic is not the same.

310. Research Seminar in Women's Studies. 2 hr. plus conf.; 3 cr :

Prereq.: Permission of the instructor or Director. A seminar stressing original student research on pre-announced topics. May be taken more than once if the topic is not the same.

320. Field Work in Women's Studies. 1 hr. rec./wk., 90 hr. fieldwork per semester; 3 cr.

Prereq.: Permission of instructor or the Director. Students are assigned to work with host organizations such as: women's political organizations, battered women's shelters, welfare rights groups. Students prepare a formal document based on their experiences and readings.

390. Tutorial in Women's Studies. 390.1390.3-1-3 hr.; 1-3 cr.

Prereq.: Permission of Director of Women's Studies and Director of Interdisciplinary and Special Studies. Students undertake and complete an individual research project under the supervision of a member of the Women's Studies faculty.

WORKER EDUCATION AND THE LABOR EDUCATION AND ADVANCEMENT PROJECT (LEAP)

Director: Gregory Mantsios *Associate Director:* Susanne Paul *Program Office:* T-3,997-3060

The Labor Education and Advancement Project: *Associate Director:* Susanne Paul; *Counselors:* Zickefoose, De Jesus, De Lutro; *Special Projects:* Hamburg; *Department Secretary:* McCloskey; *College Assistant:* Turk

Worker Education Extension Center:

Director: Beverlee Brnce; *Counselor:* Muller; *Administrative Coordinator:* Latour; *Special Projects:* Sweeny

The Office of Worker Education was established in cooperation with a number of New York City labor unions as part of Queen College's effort to expand educational services to union members and the labor community. Its purpose is to provide union-sponsored, working adult students with an opportunity to:

1. gain a better understanding of the world of work, the economy, and society,
2. develop the skills and background necessary for occupational advancement and personal enrichment.

The Office of Worker Education assists union members returning to school, including non-degree, matriculated, and graduate students enrolled in a variety of programs at Queens College.

The Labor Education and Advancement Project (LEAP) serves working adult students on campus. The Extension Center serves students attending classes in Manhattan.

The Worker Education curriculum is available to LEAP students who are matriculated and 25 years of age or older. Students must be union members and must be recommended for admission by the Director or his/her designee.

The Worker Education Curriculum provides students with a sequence of courses to meet the College's general education requirements for the bachelor of arts and the bachelor of science degrees i.e., basic skills and the Liberal Arts and Sciences Area Requirements (LASAR). Students complete the remaining credits required for the bachelor's degree in their major and through elective offerings. The curriculum draws on the maturity and common experiences of working adults. Students meeting their degree requirements through this curriculum may also qualify for a maximum of 36 life achievement credits.

For details of admission requirements and procedures, contact the LEAP office.

Basic Skills and LASAR

Satisfactory completion of the following courses by students in LEAP will fulfill the College's general education requirements.

THE HUMANITIES

Eng. 95. 4 hr.; 3 cr :

Prereq.: Entrance determined by results of placement examination. Emphasis will be on a variety of writing forms, including narration, description, and analysis; attention will be given to matters of grammar, syntax, punctuation, and diction.

LEAP 1. Writing and the Literature of Work. 4 hr.; 4 cr :

Prereq.: English 95 or results of placement examination and passing grade of CUNY Assessment Test or equivalent as approved by the department. This course enables students to sharpen critical thinking, reading, and writing skills in the context of an exploration of work. The course will analyze representations of labor in several genres. Students will practice a variety of college writing projects: analytical writing, responses to literary works, autobiography, and methods of research.

ACE 3. Studies in Literature. 3 hr. plus conf.; 6 cr :

Prereq.: LEAP 1. Close reading and critical analysis of American and British fiction and poetry of various periods. This seminar combines a study of literature with continued training in clear and effective written expression. Conferences with the instructor will be scheduled.

ACE 4. Studies in Visual Arts and Music.

3 hr. plus attendance at selected concerts and museums; 6 cr :

The many convergences between music and the visual arts will be studied as they reflect aesthetic concerns common to both.

LEAP 6. Work, Class, and Culture. 4 hr.; 4 cr.

Prereq.: LEAP 1. Students will examine how ways of thinking about work and workers have varied over time and place. Emphasis will be placed on the values, ethics, customs, and laws of a society that shape and regulate systems of production and distribution. A historical and anthropological approach will provide the basis from which to consider work, workers, and culture in the U.S. today.

LEAP 7. African-American Literary Traditions. 4 hr.; 4 cr :

Prereq.: LEAP 1. This course will focus on literary traditions that are distinctly American and are also influenced by international currents in culture and politics. Students will explore one or more African-American traditions, such as the literature of slavery, women's voices, expatriate African-American writing, or poetry. The emphasis will be thematic rather than strictly chronological, and the course will consider style, technique, and social content of major works.

Note: English 95 or its equivalent is the minimum corequisite for all courses (see pp. 38, 124). - offered *either* Fall or Spring; see *Class Schedule*
++ -may be offered; see *Class Schedule*

MATH AND SCIENCE**Bio. 8. Fundamentals of Biology. 2 lec., 2 lab. hr.; 3 cr :**

LEAP students are required to take *either* Biology 8 or Chemistry 15. A survey course in biology designed for students in LEAP. The areas of cell biology, heredity, development, physiology, ecology, and evolution are covered. Emphasis will be placed on human-related topics such as health, the environment, and current developments in biology. No previous knowledge of biology or chemistry is assumed. Not open to students who have taken Biology 11. MAT charge, \$10.

ACE 9. The Physical Sciences. 4 hr.; 4 cr :

A course designed to give students a qualitative and quantitative view of the physical world. Topics chosen, primarily from physics (and to a lesser extent, astronomy), include: force, motion, gravitation, planetary motion, work and energy, heat, light, and electricity. During the study of each topic, selected numerical problems are solved. These problems, in addition to illuminating the subject matter, develop the students' skills in algebra, geometry (both plane and analytic), and trigonometry.

Psy. 101. General Psychology. 4 hr.; 4 cr :

An introduction to the chief facts, principles, methods, and theories of psychology. Topics discussed include the history of psychology, sensory and perceptual processes, motivation and emotion, behavior development, learning and cognition, psychometrics, personality, psychopathology, and social behavior.

THE SOCIAL SCIENCES AND PRE-INDUSTRIAL/NON-WESTERN CIVILIZATION**ACE 15. Social Science Seminar I. 3 hr.; 6 cr :**

A study of the history of ideas in Western civilization from classical antiquity to the Reformation, from the perspective of the two disciplines, history and philosophy, and related social sciences. Through an analysis of sources, both original and secondary, emphasis will be placed on political developments, philosophical trends, religious movements, and social institutions. Extensive independent reading under faculty supervision; oral and written presentations, research papers, and final examination.

ACE 16. Social Science Seminar 11. 3 hr.; 6 cr.

Prereq.: ACE 15 A continuation of the study of the historical development of Western civilization from the Reformation to modern times, through an analysis of sources, both original and secondary. In addition to the perspectives of the older, well-established disciplines of history and philosophy, the course will draw upon the insights of the newer social sciences - economics, sociology, and political science.

SCIENTIFIC METHODOLOGY AND QUANTITATIVE REASONING

Students must complete one course (minimum 3 credits) in college-level mathematics, computer science, data analysis, statistics, scientific methodology, or logic. Student's choice of course largely depends on the major selected. See LASAR section of this Bulletin for a list of acceptable courses.

HEALTH AND PHYSICAL EDUCATION

Students must complete a minimum of one credit in health and physical education.

FOREIGN LANGUAGE REQUIREMENT

Students in LEAP may fulfill the College's foreign language requirement either by completing three semesters of foreign language study (11 credits) or by completing an alternative sequence of courses (a minimum of 15 credits) that is designed to provide a) a knowledge of language and its uses, b) basic foreign language reading and speaking skills, c) the history, literature, and/or culture of other nations.

The alternative sequence in Spanish language and culture includes:

LEAP 10. Language and Society. 4 hr.; 4 cr :

This course is a comprehensive survey of the study of language. Students will analyze language structures, language change, and the philosophy of language. Students will also discuss the evolution of words and their meanings in various historical contexts, the introduction of "new" words into a language to meet changing technological and cultural needs, and the interactions among languages in modern society.

One of the following courses:

Spanish 111. Elementary Spanish 1. 4 hr.; 4 cr.

Intended for students with no previous training in Spanish. Designed to establish correct pronunciation, to teach the elements of grammar, to enable students to read, to understand spoken Spanish, to become familiar with cultural aspects of Spanish-speaking countries, and especially to establish a good basic vocabulary. Class hours include use of language laboratory.

Spanish 101. Fundamental**Language Skills for Students of Spanish-Speaking Background. 3 hr.; 3 cr :**

Intended for those students who have a speaking knowledge of Spanish, but have little or no formal training in the language. Forms part of a two-semester sequence designed as an alternative to Spanish 111 through 203, and 204. Completion of the 101, 10, sequence qualifies students for the Spanish 205,206 level or for Spanish 224. Students who successfully complete 101 may not enroll in Spanish 111 or 112.

Two of the following courses:

LEAP 40. The "Golden Age" of Spanish Culture. 4 hr.; 4 cr :

Prereq.: LEAP 6, Spanish 111 or 101. This course will explore the ascendant period in Spanish culture in the sixteenth and seventeenth centuries. Students will discuss the development of the modern novel, from the anonymous publication of *Lazarillo de Tormes* in the early sixteenth century to Quevedo's *El Buscon*, and including works by Cervantes. The course also includes an analysis of the works of Velazquez (1599-1660), court painter to Philip IV. and a discussion of Spanish culture in a world context, with a focus on the Western Hemisphere.

LEAP 43. Latin American Literature. 4 hr.; 4 cr :

The central myths and recurrent themes of Latin American literature from the PreColumbian period and chronicles of Spanish conquest to contemporary writing. An examination of Native populations, peasantry, urban life, and the changing roles of women in Latin America will be conducted mainly through classroom discussion of works read beforehand.

LEAP 46. Survey of Latin American History. 4 hr.; 4 cr :

Latin American history including discussions of the Indian contribution to society and culture, the European colonial experience, struggles for independence, relations with the United States, and contemporary movements for social change.

LEAP students who wish to take a sequence in a language group other than Spanish should see a LEAP counselor to obtain a list of approved courses. Courses used to satisfy the language requirement (either in the Spanish group or another group) may not be used to satisfy other requirements toward LASAR.

Students who have previously studied a foreign language and students for whom English is not a native language should refer to the section of this *Bulletin* that identifies conditions exempting students from the College's foreign language requirement.

WORLD STUDIES

See Special Sequences and Courses on page 204.

Special Sequences and Courses

ACADEMIC SKILLS

Director. Howard H. Kleinmann *Office:* Kiely 223, 997-5670

The following course may be offered in the Fall or Spring:

50. The Learning Process. 2 hr. plus conf.; 2 cr.

Prereq.: Permission of department. The course introduces learning strategies that students apply to their academic subject matter. Students approach a task of study through a series of structured problem-solving techniques that are designed to produce a better, more efficient learner.

The following courses may be offered in the Summer or January Intersession in the College's Basic Skills Immersion Program:

10.03. Fundamentals of Mathematics. 3 hr.; 0 cr.

Basic arithmetic and elementary algebra in preparation for the CUNY Assessment Test in Mathematics. includes video-based instruction, work in the Mathematics Laboratory and tutoring.

20.03-04. ESL Reading and Writing Development. 20.03 -3 hr.; 0 cr.; 20.04- 4 hr.; 0 cr.

An integrated reading and writing course for nonnative speakers of English who need to improve their literacy skills. Practice writing paragraphs and short essays with emphasis on organization, development, grammatical accuracy and correct mechanics. includes tutoring and work in the Reading Laboratory. Students retake CUNY Assessment Test in Reading and Writing.

22.02-03. ESL Writing Development. 22.02 - 2.5 hr.; 0 cr.; 22.03 - 3hr.; 0 cr.

A course designed to improve the composition skills of nonnative speakers of English in preparation for the CUNY Assessment Test in Writing. Practice in thesis formulation, support and development, grammar and mechanics. includes tutoring and may involve work in the Basic Skills Microcomputer Laboratory.

26.02-03. ESL Reading Development. 26.02 - 2.5 hr.; 0 cr.; 26.03 - 3 hr.; 0 cr.

A course designed to improve the reading skills of nonnative speakers of English in preparation for the CUNY Assessment Test in Reading. Includes interdisciplinary readings, work in the Reading Laboratory and tutoring.

30.02-04. Academic Reading and Writing.

30.02 - 2.5 hr.; 0 cr.; 30.03 - 3 hr.; 0 cr.; 30.04 4 hr.; 0 cr.

An integrated reading and writing course emphasizing the development of academic literacy skills to help students pass the CUNY Assessment Test in Reading and Writing. Practice in reading interdisciplinary selections and writing expository, analytical, and persuasive essays. The course includes tutoring and may include work in the Reading Laboratory and Basic Skills Microcomputer Laboratory.

32.01-03. Academic Writing. 32.01 - 1.5 hr.; 0 cr.; 32.02 - 2.5 hr.; 0 cr.; 32.03 - 3 hr.; 0 cr.

The course provides students with the basic writing skills necessary to become successful college students. Diverse essay types are practiced, with particular attention paid to the writing of arguments to prepare students to pass the CUNY Assessment Test in Writing. Computer assisted instruction and tutoring may be included.

36.01-03. Academic Reading. 36.01 - 1.5 hr.; 0 cr.; 36.02 - 2.5 hr.; 0 cr.; 36.03 - 3 hr.; 0 cr.

College-level reading from various disciplines to help students acquire the reading and study skills they need to be successful in college. Includes work in the Reading Laboratory, tutoring and/or computer assisted instruction, and prepares students to pass the CUNY Assessment Test in Reading.

COLLEGE ENGLISH AS A SECOND LANGUAGE

Director: Howard H. Kleinmann *Office:* Kiely 223,997-5670

Lecturer: Howard;

Adjunct Lecturers: Barnett, Brandman, Erlanger, Fishman, Halberstam, Kahn, Kaplan, Lasry, Lieberman, Oster, Stark, Steiner

These courses are designed to meet the English language needs of limited English proficiency students who have not passed the CUNY Assessment Test.

Students must see the CESL Director before registering for any courses.

Courses**CESL 10. Fundamentals of English. 13 hr.; 0 cr.**

Prereq.: Admission by placement examination or recommendation of CESL Director. The student will spend one hour per week meeting with the instructor in conferences, small groups, or other formats for intensive writing instruction, review, and practice. An intensive introductory course of English as a second language stressing the development of aural comprehension, writing, reading, and oral communication skills. Includes work in the Reading Laboratory. Fall, Spring

CESL 21. Foundations of Writing 1.5 hr.; 1 cr.

Prereq.: Admission by placement examination or recommendation of CESL Director.

The student will spend one hour per week meeting with the instructor in conferences, small groups, or other formats for intensive writing instruction, review, and practice. Emphasis on descriptive and narrative forms of writing, and an introduction to expository writing. Work on grammar, writing organization, and basic writing mechanics. Fall, Spring

CESL 25. Foundations of Reading I. 4 hr.; 1 cr.

Prereq.: Admission by placement examination or recommendation of CESL Director. Emphasis on reading comprehension skills and vocabulary development. Stress on using graphic, syntactic, lexical, and rhetorical cues in understanding reading material. Includes work in the Reading Laboratory. Fall, Spring

CESL 28. Communication Skills. 4 hr.; 1 cr :

Prereq.: Admission by placement examination or recommendation of CESL Director. Emphasis on listening to and comprehending academic lectures, making formal oral presentations, and vocabulary and idiom development. Fall, Spring

CESL 31. Foundations of Writing II. 5 hr.; 2 cr :

Prereq.: CESL 21, or admission by placement examination, or recommendation of CESL Director. The student will spend one hour per week meeting with the instructor in conferences, small groups, or other formats for intensive writing instruction, review, and practice. Emphasis on expository forms of writing. Major attention given to planning and organizing writing, and integrating grammar, rhetoric, style, and mechanics in composing an essay. Fall, Spring

CESL 35. Foundations of Reading II. 4 hr.; 2 cr :

Prereq.: CESL 25, or admission by placement examination, or recommendation of CESL Director. Reading material from the natural sciences, social sciences, arts, and humanities. Emphasis on comprehension skills, critical thinking, and academic vocabulary study. Includes work in the Reading Laboratory. Fall, Spring

CESL 50. Introduction to American Civilization. 4 hr.; 2 cr :

Prereq.: Admission on recommendation of CESL Director. The student will spend one hour per week meeting with the instructor in conferences, small groups, or other formats for intensive writing instruction, review, and practice. Examination of American political manifestoes, poems, novels, autobiographies, paintings, music, and films that have shaped the character of the American people. Fall, Spring

COOPERATIVE EDUCATION AND INTERNSHIPS

Director: Sophia Demetriou

Office: Kissena Hall 332, 520-7693

Cooperative Education and Internships is an individualized education program that integrates classroom learning with: work experience that is career related, pays wages, and earns college credit (Co-op); or field experience pertinent to a course or topic of study that earns department credit (Internship). In addition, it offers the following courses for credit.

Courses

201. Orientation to the World of Work. 201.1 - 1 hr. lec.,; 1 cr : ; 201.2 - 1 hr. 60 hr. of work experience placement; 2 cr : ; 201.3 - 1 hr. lec. plus 120 hr. of work experience placement; 3 cr :

Prereq.: Sophomore standing and permission of Director. (Only students who have difficulty securing placement because of poor language or interpersonal skills will be allowed to take the course for one credit, with the Director's approval). An introductory course that provides students instruction and training for participation in the world of work. Students will be placed in a structured work-study program and assisted in learning about themselves, their career needs, the dynamics of the employment and selection process. Special emphasis is placed on effective interview techniques and job search strategies. The lecture is required of all Cooperative Education students concurrent with job placement.

221. The Individual in the Organization. 2 hr./wk. plus 120 hr. of a work placement (internship/job); 4 cr :

Prereq.: Sophomore standing and permission of Director. The primary focus of the course is the study of behavior in organizations. Students are encouraged to become involved participants while learning about behavior and management within work settings. Topics include: organizational behavior, organizational structure and job design, motivation and productivity, leadership traits, and management theories and techniques. The material presented is discussed, analyzed, and related to each student's internship or job placement.

Note: English 95 or its equivalent is the minimum corequisite for all courses (see pp. 38, 124).

+ -offered *either* Fall or Spring; see *Class Schedule* ++ -*may be* offered; see *Class Schedule*

THE LIBRARY

Acting Chief Librarian: Lois Schneider

A formal course in basic library research methods is offered by Library faculty each semester. Upon request, course-related bibliographic instruction in a variety of discipline areas, both graduate and undergraduate, is also available for class groups. These include, where relevant, instruction in online and print access to multiple data bases. Orientation tours are also offered on a regular schedule, day and evening, during the first month of the semester. These are open to all library users. More specialized orientation is also offered to all new faculty annually.

Course

150. Library Skills: Fundamentals of Library Research. 2 hr.; 2 cr :

Prereq.: Satisfactory completion of English 110. Designed for undergraduate students who wish to improve their ability to use libraries in general and the Queens College Library in particular.

Emphasis will be on the construction of search strategies and on the use of the catalog, indexes, abstracts, and other reference sources. Students' individual subject interests will be considered as much as possible so that the maximum benefit can be applied to their college work. Opportunities will be provided for the practical application of what is learned in class.

READING

Coordinator: Anita Podrid

Office: Kiely 127, 997-5677

Course**Reading 1. College Reading and Study Skills. 3 hr.; 2 cr :**

A two-credit, intensive course designed for freshmen and sophomores to help them acquire critical thinking and comprehension skills, flexible reading rates, and more sophisticated study skills. Emphasis is placed on readings from literature and selected academic disciplines. Class and laboratory work are an integral part of the course. Successful completion of this course will depend, in part, on the achievement of a passing grade on the CUNY Assessment Test in Reading. A student may not receive credit for both Reading I and Special Programs 103. Fall, Spring

Division of Mathematics and Natural Sciences

SCIENCE

Dean: Norman L. Goldman *Office:* Remsen 125

The following are interdisciplinary science courses not belonging with any one of the science departments.

Note: Science 1 and 2 are administered by the Physics Department. Students with questions should contact the Chair of the Physics Department.

Courses**1. Introduction to Science 1. 1 lec., 4 rec. 3 tutorial hr.; 4 cr :**

A college-level course for students who have not completed high school Regents science. The basic principles of the natural sciences and the roles they play in shaping contemporary society.

2. Introduction 10 Science 11. 1 lec., 4 rec. 3 tutorial hr.; 4 cr :

Prereq.: Science 1.

Division of Social Sciences

SOCIAL SCIENCES SEMINAR

Chair of the Divisional Honors Seminars.' Dean Savage

Course

Social Sciences 381,382.

General Seminar in the Social Sciences. Hr. to be arranged; 3 cr :

Prereq.: Advanced standing in departments of the social sciences. Recommended for all students who intend to qualify for honors in any department in the Social Sciences Division.

STUDENT PERSONNEL

Coordinator: Ruth Frisz

Office: Powder maker 128, 997-5420

Courses

Note: Students interested in broadening their background in the concepts presented in the following courses and in pursuing graduate studies in student personnel work are advised to take courses in related areas of psychology and the social services.

Screening

Admission to Student Personnel courses is by permission of the instructor. Prior to acceptance into the Counseling and Advisement courses, all students are required to go through a two-part screening process. Applicants are screened and selected by experienced peer advisers and by the coordinator of the Peer Advisement Program. Applications are available in PH 128.

200. Introduction to Counseling Advisement. 3 hr. lec., 1 hr. practicum; 3 cr :

Prereq.: Upper sophomore standing and/or permission of instructor. Screening interview will take place during the semester preceding enrollment. This course combines counseling and advisement theory and practice aimed at giving an understanding of interpersonal interactions, communication skills development, decisionmaking and problem-solving, and interviewing and counseling techniques. It is designed to train students who have been specially screened and selected in the skills necessary to advise other students regarding academic concerns. Fall, Spring

300. Practicum in Counseling and Advisement. 2 hr. lec., 4 hr. practicum; 3 cr :

Prereq.: Student Personnel 200 and permission of instructor. This course includes individual and group supervision in a practicum setting. Emphasis will be placed on further exploration of theoretical and practical issues in the advisement and counseling process, along with continued development in interviewing skills and techniques. Four hours a week of advising students plus participation throughout the academic year, including Advisement Days and freshman registration periods, are required. Fall, Spring

301. Dimension of Counseling and Psychoanalytic Theory. 3 hr. lec., 3 hr. practicum; 3 cr :

Prereq.: Student Personnel 200 and permission of instructor. This course includes an examination of various psychological theories, with emphasis on their application to student services and in particular to the problems and needs of the college student. Stress is placed on common principles underlying many types of counseling activities. The course aims to achieve integration of theory and practice through lectures, case material, class participation, and research. Three hours a week of advising students plus participation throughout the academic year, including Advisement Days and freshman registration periods, are required.

302. Advanced Practicum in Counseling and Advising. 2 hr. lec., 4 hr. practicum: 3 cr.

Prereq.: Student Personnel 300 and permission of instructor. Continued supervision in a practicum setting. The experiences are parallel to those in Student Personnel 300. Students will initiate and complete individual projects in the area of counseling and advising (theory, training, or research). There will be an opportunity to integrate counseling and advising skills previously acquired with supervisory and training functions. Participation and service throughout the academic year, including Advisement Days and freshman registration periods, are required. Fall Spring

303. Practicum in Dimensions of Counseling and Psychoanalytic Theory. 2 hr. lec., 4 hr. practicum; 3 cr :

Prereq.: Student Personnel 301 and permission of instructor. Students are offered an intensive practicum under supervision. Continued exploration of psychological theories as applied to practicum cases, research, and readings. Participation and service throughout the academic year, including Advisement Days and freshman registration periods, are required.

TRANSLATION STUDIES

Contact the Dean of the Arts and the Humanities: Kiely Hall 1306

The sequence of courses from Translation Studies 201 to 204 provides supervised practice in the written translation of texts in four areas of knowledge from French, Spanish, Italian, German, Russian, Modern Greek, or Hebrew into English. Successful completion of at least two of these, as well as of other specified courses, makes students eligible to receive a Letter of Achievement attesting to their accomplishments in Translation Studies. This Letter will be issued by the Director upon recommendation of the Advisory Committee after a review of the student's performance in all courses related to Translation Studies. The award of the Letter and the language or languages to which it applies will be noted on students' transcript. Further information as to additional requirements and course offerings may be obtained from the Director.

Courses

200. Principles and Problems of Translation. 3 hr.; 3 cr :

Prereq.: Admission to program. An introduction to the practical problems of translation and their theoretical background. Spring

201. Translation in History, Political Science, and Contemporary Affairs. 3 hr.; 3 cr :

Prereq.: Translation Studies 200; one course in these areas approved by Advisory Committee. Practice in translating texts from the fields of history, political science, and contemporary affairs into English; the use of reference works in these areas.

202. Translation in Economics and International Finance. 3 hr.; 3 cr :

Prereq.: Translation Studies 200; one course in these areas approved by the Advisory Committee. Practice in translating texts from the fields of economics and international finance into English; use of reference works in these areas.

203. Translation in the Natural Sciences. 3 hr.; 3 cr :

Prereq.: Translation Studies 200; one course in these areas approved by the Advisory Committee. Practice in translating texts from the natural sciences; use of reference works in these areas.

210. Translation of Imaginative Literature. 3 hr.; 3 cr :

Prereq.: Translation Studies 200; one course in these areas approved by the Advisory Committee. Practice in translating texts taken from works of imaginative literature into English; special attention to questions of literary style.

WORLD STUDIES

Director: Peter Carravetta

Coordinating Committee: Buell, Carravetta, Dobbs, Maimon, Reilly, Smith, Waterbury, Zevin

Office: Kiely Hall 243, 997-5650/5660

As the world grows increasingly interconnected, it is necessary to understand forms of human expression in a global frame of reference. The World Studies program provides a sequence of four team-taught, interdisciplinary courses that are designed to satisfy that need.

Employing perspectives from the humanities and social sciences, these courses explore various and often conflicting ways of conceptualizing the world, and examine cultures and societies ancient and modern - from Asia, Africa, the Americas, Europe, and the Middle East. Each course involves the cooperation of a faculty member from the social sciences and one from the humanities.

Sections are kept small to permit extensive interchange between students and teachers.

Although the courses form a logical progression, they may be taken in any order, or even simultaneously. Each course is designed to remain within a common framework, but the content of each section may vary somewhat depending upon the composition of the teaching team.

World Studies, which was developed with major grants from the Andrew W. Mellon Foundation and the National Endowment for the Humanities, is an innovative program that has been recognized as a national model by the Association of American Colleges. Its curriculum and syllabi are under continual review by an ongoing committee of faculty members from all divisions of the College.

LASAR Satisfaction

WDST 101 and WDST 104 meet Humanities III; WDST 102 and WDST 103 meet Social Science. For further information, visit the program office or phone 997-5650/5660.

Courses

101. Interpreting the World. 3 hr.; 3 cr :

Prereq.: English 95. A study of diverse cultural traditions, political and economic structures, and their interactions. The course will integrate social science and humanities viewpoints and methods of analyzing history, culture, and society.

102. Ancient Worlds. 3 hr.; 3 cr :

Prereq.: English 95. An examination of the cosmologies, ideologies, economies, political structures, and social life of ancient civilizations as reflected in their mythic and literary texts and as interpreted by archaeology and history from the material evidence. Regions explored may include Mesopotamia, India, China, Africa, MesoAmerica, and the Andes.

103. Encounters between Civilizations, 1500-1900. (formerly WDST 201) 3 hr.; 3 cr :

Prereq.: English 95. A consideration of how contacts among civilizations helped shape the modern world. The movement away from regional isolation will be studied in terms of political and economic systems, scientific and technological development, social and cultural exchange, and literary and artistic expression,

104. Contemporary Worlds. (formerly WDST 202) 3 hr.; 3 cr :

Prereq.: English 95. The emergence of new forms of global culture: an interdisciplinary study of societies, economies, cultures, and ideologies in the twentieth century.

305. Advanced Seminar in World Studies. 3 hr.; 3 cr :

Prereq.: At least one course in World Studies and junior standing or permission of instructor. Topics and professors will be announced in advance. May be repeated providing the topic is not the same.

Note: English 95 or its equivalent is the minimum corequisite for all courses (see pp. 38, 124).

+ -offered *either* Fall or Spring; see *Class Schedule* ++ -may be offered; see *Class Schedule*

COLLEGE FACULTY

This list includes information as of Spring 1993.

- Aaronson, Sheldon, *Professor of Biology*, Ph.D., New York University
 Abramson, Theodore, *Professor of Elementary and Early Childhood Education and Services*, Ph.D., Fordham University
 Acker, Jerome, *Lecturer in Classical and Oriental Languages*, M. Phil., Columbia University
 Adelberg, Arthur H., *Professor of Accounting and Information Systems*, Ph.D., City University of New York; C.R.A.
 Agbeyegbe, Omayemi G., *Lecturer in Political Science*, M.A., New School for Social Research
 Ahmed, Ali .J., *Assistant Professor of Comparative Literature*, Ph.D., University of California at Los Angeles
 Alcalay, Ammie I, *Assistant Professor of Classical and Oriental Languages*, Ph.D., City University of New York
 Allen, Jeffery R., *Assistant Professor of English*, Ph.D., University of Illinois at Chicago
 Allen, Ralph G., *Professor of Drama, Theatre, and Dance*, D.E.A., Yale University
 Alsop, David W., *Associate Professor of Biology*, Ph.D., Cornell University
 Altenstetter, Christa, *Professor of Political Science*, Ph.D., University of Heidelberg
 Alteras, Isaac, *Associate Professor of History*, Ph.D., City University of New York
 Anderie, Martin, *Professor of Germanic, Slavic, and East European Languages*, Ph.D., University of Vienna
 Anderson, Philip M., *Associate Professor of Secondary Education and Youth Services*, Ph.D., University of Wisconsin at Madison
 Andrews, Benny, *Professor of Art*, B.E.A., Chicago Art Institute
 Angione, Marie, *Lecturer in Mathematics*, M.S., Queens College/CUNY
 Armour-Thomas, Eleanor, *Associate Professor of Secondary Education and Youth Services*, Ed.D., Teachers College, Columbia University
 Artzt, Alice, *Associate Professor of Secondary Education and Youth Services*, Ph.D., New York University
 Avrich, Paul H., *Distinguished Professor of History*, Ph.D., Columbia University
 Axelrad, George, *Chair and Professor of Chemistry and Biochemistry*, Ph.D., University of Kansas
- Backner, Burton, *Assistant Professor of Student Personnel*, Ph.D., State University of New York at Buffalo
 Baghban, Marcia M., *Associate Professor of Elementary and Early Childhood Education and Services*, Ed.D., Indiana University
 Baker, A. Harvey, *Professor of Psychology*, Ph.D., Clark University
 Baker, Arthur D., *Professor of Chemistry and Biochemistry*, Ph.D., University of London
 Bargonetti, Jill E., *Assistant Professor of Biology*, Ph.D., New York University
 Barker, Gerard A., *Professor of English*, Ph.D., Stanford University
 Baum, Paul M., *Associate Professor of Physics*, Ph.D., University of Illinois
 Berger, Leslie, *Professor of Educational and Community Programs*, Ph.D., University of Michigan
 Berkowitz, Sol, *Professor of Music*, M.A., Columbia University
 Berkowitz, William E, *Professor of Chemistry and Biochemistry*, Ph.D., Massachusetts Institute of Technology
 Berman, Doreen, *Associate Professor of Psychology*, Ph.D., City University of New York
 Beshers, James M., *Professor of Sociology*, Ph.D., University of North Carolina
 Besteman, Catherine L., *Assistant Professor of Anthropology*, Ph.D. University of Arizona
 Beveridge, Andrew A., *Associate Professor of Sociology*, Ph.D., Yale University
 Bienstock, Herbert, *Professor of Urban Studies*, B.A., City College/CUNY
 Bilek, Mary Lu, *Law School Assistant Professor, CUNY Law School at Queens College*, J.D., Harvard University Law School
 Bird, Thomas E., *Associate Professor of Germanic, Slavic, and East European Languages*, M.A., Princeton University
 Birmelin, A. Robert, *Professor of Art*, M.E.A., Yale University
 Bittman, Robert, *Distinguished Professor of Chemistry and Biochemistry*, Ph.D., University of California at Berkeley
 Blake, Virgil L.P., *Associate Professor of Library and Information Studies*, Ph.D., Rutgers

University

Blaustone, Beryl S., *Law School Associate Professor, CUNY Law School at Queens College, J.D., Antioch Law School*

Blumberg, Paul M., *Professor of Sociology, Ph.D., University of California at Berkeley*

Blumenfrucht, Israel, *Associate Professor of Accounting and Information Systems, Ph.D., New York University*

Bobb, Doreen J., *Assistant Professor in English/SEEK, Ph.D., Graduate School and University Center/CUNY*

Bodnar, Richard J., *Professor of Psychology, Ph.D., City University of New York*

Borod, Joan C., *Professor of Psychology, Ph.D., Case Western Reserve University*

Bowen, Barbara E., *Associate Professor of English, Ph.D., Yale University*

Bowman, John R., *Associate Professor of Political Science, Ph.D., University of Chicago*

Boylan, Elizabeth S., *Acting Provost and Vice President for Academic Affairs; Professor of Biology, Ph.D., Cornell University*

Brady, Anna M., *Associate Professor of Library, M.A., Hunter College/CUNY; M.L.S., Columbia University*

Braun, Martin, *Professor of Mathematics, Ph.D., New York University*

Breland, Everett, *Lecturer in Special Programs/SEEK, M.A., Hunter College/ CUNY*

Brewer, Waiter V., *Assistant Professor of Secondary Education and Youth Services, Ph.D., Teachers College, Columbia University*

Bridges, Patricia S., *Associate Professor of Anthropology, Ph.D., University of Michigan*

Brienes, Harry, *Lecturer in Special Programs/ SEEK, M.S., Yeshiva University*

Brings, Allen S., *Professor of Music, D.M.A., Boston University*

Brock, Patrick W.G., *Associate Professor of Geology, Ph.D., University of Leeds*

Bronars, Joseph C., Jr., *Assistant Professor of Elementary and Early Childhood Education and Services, Ph.D., Catholic University of America*

Brovey, Daniel J., *Professor of Elementary and Early Childhood Education and Services, Ed.D., Teachers College, Columbia University*

Brown, Bruce L., *Associate Professor of Psychology, Ph.D., Yale University*

Brown, Fredda A., *Associate Professor of Educational and Community Programs, Ph.D., University of Kansas*

Brown, Royal S., *Professor of Romance Languages, Ph.D., Columbia University*

Brown, Theodore D., *Chair and Professor of Computer Science, Ph.D., New York University*

Browne, Basil R., *Assistant Professor of Sociology, Ph.D., University of California at Berkeley*

Bruder, Harold, *Professor of Art, Certificate, Cooper Union; New School for Social Research; Pratt Institute Graphic Art Center*

Brueckner, Hames K., *Professor of Geology, Ph.D., Yale University*

Bryant, Solena V., *Associate Professor of Library, M.A., University of Iowa; M.S.L.S., Columbia University*

Bryant, Susan J., *Law School Associate Professor, CUNY Law School at Queens College, J.D., Georgetown University*

Buchsbaum, Jonathan, *Associate Professor of Communication Arts and Sciences, Ph.D., New York University*

Buell, Frederick H., *Professor of English, Ph.D., Cornell University*

Burkhan, Charles L., *Professor of Music, M.Mus., Yale University*

Bumett, Henry, *Associate Professor of Music, Ph.D., City University of New York*

Bums, W. Haywood, *Dean and Law School Professor, CUNY Law School at Queens College, J.D., Yale University Law School*

Burstein, Harvey, *Lecturer in Philosophy, M.E.A., University of Iowa*

Byrd, Donaldson T., *Professor of Music, Ed.D., Columbia University*

Cadieu, Fred J., *Professor of Physics, Ph.D., University of Chicago*

Cairns, Charles E., *Professor of Linguistics, Ph.D., Columbia University*

Cairns, Helen S., *Chair and Professor of Communication Arts and Sciences, Ph.D., University of Texas at Austin*

Calhoon, Robert E., *Associate Professor of Biology, Ph.D., Purdue University*

Calvo, Janet M., *Law School Associate Professor, CUNY Law School at Queens College, J.D., New York University School of Law*

Caputo, Daniel V., *Professor of Psychology, Ph.D., University of Illinois*

Carlebach, Elisheva, *Associate Professor of History, Ph.D., Columbia University*

Carlson, Cynthia J., *Professor of Art*, M.E.A., Pratt Institute
 Carlson, Harry G., *Professor of Drama, Theatre, and Dance*, Ph.D., Ohio State University
 Caffavetta, Peter, *Professor of Romance Languages*, Ph.D., New York University
 Carroll, Clare L., *Assistant Professor of Comparative Literature*, Ph.D., Columbia University
 Castiglione, Lawrence V., *Professor of Secondary Education and Youth Services*, Ph.D., New York University
 Catelli, Linda A., *Associate Professor of Health and Physical Education*, Ed.D., Teachers College, Columbia University
 Catsambis, Sophia, *Assistant Professor of Sociology*, Ph.D., New York University
 Chabora, Peter C., *Professor of Biology*, Ph.D., CORNell University
 Chang-Rodriguez, Eugenio, *Professor of Romance Languages*, Ph.D., University of Washington
 Chen, Dianna, *Lecturer in Mathematics*, M.A., City College/CUNY
 Chiang, Belinda, *Assistant Professor of Library*, M.L.S. Syracuse University
 Chin, Margaret W., *Instructor in Communication Arts and Sciences*, M.A., University of Iowa
 Chiremba, Daniel S., *Lecturer in Economics*, M.A., New School for Social Research
 Cicero, John, *Law School Assistant Professor, CUNY Law School at Queens College*, LL.M., New York University School of Law; J.D., New England School of Law
 Clark, Carlton S., *Law School Acting Assistant Dean, CUNY Law School at Queens College*, J.D., Temple University School of Law
 Clark, William W., *Professor of Art*, Ph.D., Columbia University
 Coch, Nicholas K., *Professor of Geology*, Ph.D., Yale University
 Cohen, Arthur M., *Professor of Art*, M.E.A., Indiana University
 Cohen, Bernard, *Professor of Sociology*, Ph.D., University of Pennsylvania
 Cohen, Jackson B., *Associate Professor of Library*, Ph.D., Rutgers University
 Cohen, Steven M., *Professor of Sociology*, Ph.D., Columbia University
 Cole, Brett K., *Associate Professor of English*, Ph.D., Columbia University
 Comley, Nancy R., *Associate Professor of English*, Ph.D., Brown University
 Commoner. Barry, *Research Associate for the Center for the Biology of Natural Systems*, Ph.D., Harvard University
 Connor, Maureen, *Assistant Professor of Art*, M.E.A., Pratt Institute
 Cooper, Madeline L., *Lecturer in Psychology*, M.S., New York University
 Cooper, Marianne A., *Associate Professor and Chair of Graduate School of Library and Information Studies*, D.L.S., Columbia University
 Copelon, Rhonda, *Law School Associate Professor, CUNY Law School at Queens College*, LL.B., Yale University Law School
 Cordero, Alberto, *Associate Professor of Philosophy*, Ph.D., University of Maryland
 Cowen, Robert H., *Associate Professor of Mathematics*, Ph.D., Yeshiva University
 Crapanzano, Vincent, *Distinguished Professor of Comparative Literature*, Ph.D., Columbia University
 Critchell, Yin Mei, *Assistant Professor of Drama, Theatre, and Dance*, M.E.A., New York University
 Cuomo, Joseph, *Lecturer in English*, B.A., Queens College/CUNY
 Curcio, Frances R., *Associate Professor of Elementary and Early Childhood Education and Services*, Ph.D., New York University

Darren, John, *Lecturer in Drama, Theatre, and Dance*
 Dauber, Nicky A., *Lecturer in Accounting and Information Systems*, M.S., C.W. Post Institute of Finance; C.RA.
 D'Avanzo, Mano L., *Professor of English*, Ph.D., Brown University
 Davis, Ellen N., *Associate Professor of Art*, Ph.D., Institute of Fine Arts, New York University
 Day, Robert A., *Professor of English*, Ph.D., Harvard University
 Deale, Frank, *Law School Associate Professor, CUNY Law School at Queens College*, J.D., University of Pennsylvania
 DeBoer, Warren R., *Professor of Anthropology*, Ph.D., University of California at Berkeley
 Deen, Leonard W., *Professor of English*, Ph.D., University of Chicago
 Deen, Rosemary E., *Associate Professor of English*, M.A., University of Michigan
 DeGraffe, Luis J., *Law School Associate Professor, CUNY Law School at Queens College*, J.D., Antioch Law School
 Delaney, John V., *Law School Associate Professor, CUNY Law School at Queens College*,

LL.M., New York University School of Law
 Delia Cava, Ralph S., *Professor of History*, Ph.D., Columbia University
 DeLuise, Alexandra A., *Assistant Professor of Library*, M.L.S., Rutgers University
 Denitch, Bogdan D., *Professor of Sociology*, Ph.D., Columbia University
 Denny, Verna Haskin, *Assistant Professor of Educational and Community Programs*,
 Ph.D., New York University
 DeTorre, Emilio E., *Associate Professor of Romance Languages*, Ph.D., City University
 of New York
 Diamond, Jack P., *Chair and Associate Professor of Mathematics*, Ph.D., Princeton University
 DiCamillo, Ottavio, *Professor of Romance Languages*, Ph.D., Yale University
 Dickey, J. Marion, *Professor of Physics*, Ph.D., University of Cambridge
 Dickstein, Morris, *Professor of English*, Ph.D., Yale University
 Diez, Luis A., *Professor of Romance Languages*, Ph.D., King's College, University of London
 Dignon, Hugh A., *Lecturer in English*, Ph.D., New York University
 Dill, Nancy L., *Assistant Professor of Elementary and Early Childhood Education and Services*,
 Ed.D., Teachers College, Columbia University
 DiPaola, Robert A., *Professor of Computer Science*, Ph.D., Yeshiva University
 Disch, Raymond L., *Professor of Chemistry and Biochemistry*, Ph.D., Harvard University
 Dobbs, Anne B., *Lecturer in Romance Languages*, Ph.D., City University of New York
 Dodziuk, Jozef, *Professor of Mathematics*, Ph.D., Columbia University
 Dohan, Michael R., *Associate Professor of Economics*, Ph.D., Massachusetts Institute of
 Technology
 Don, Eugene C., *Lecturer in Mathematics*, Ph.D., State University of New York at Stony Brook
 Doron, Pinchas, *Assistant Professor of Classical and Oriental Languages*, Ph.D., New York
 University
 Dunn, Kenneth J., *Professor of Educational and Community Programs*, Ed.D., Columbia
 University

Edelstein, Michael, *Chair and Professor of Economics*, Ph.D., University of Pennsylvania
 Edwards, Linda Nasif, *Professor of Economics*, Ph.D., Columbia University
 Einhorn, Susan A., *Professor of Drama, Theatre, and Dance*, M.E.A., Brooklyn College/CUNY
 Eisen, Carole E., *Lecturer in Mathematics*, M.A., Yeshiva University
 Eisman, Lawrence W., *Professor of Music*, Ed.D., New York University
 Elijah, Jill C., *Sub Law School Associate Professor, CUNY Law School at Queens College*,
 J.D., Wayne State University Law School
 Emerson, Barbara J., *Chair and Associate Dean/Director and Assistant Professor in Special
 Programs/SEEK*, D.S.W., Columbia University
 Emerson William R., *Professor of Mathematics*, Ph.D., University of California at Berkeley
 Engel, Robert R., *Professor of Chemistry and Biochemistry*, Ph.D., Pennsylvania State
 University
 Epstein, Edmund L., *Professor of English*, Ph.D., Columbia University
 Erickson, Raymond E., *Professor of Music*, Ph.D., Yale University
 Erlach, David, *Lecturer in Accounting and Information Systems*, J.D., Hofstra University
 Erlichman, Howard, *Professor of Psychology*, Ph.D., New School for Social Research
 Essman, Waiter B., *Professor of Psychology*, Ph.D., University of North Dakota; M.D.,
 University of Milan
 Evans, Tamara S., *Chair and Professor of Germanic, Slavic, and East European
 Languages*, Ph.D., Ohio State University
 Ewing, Katherine, *Law School Library Associate Professor, CUNY Law School at Queens
 College*, J.D., Tulane University School of Law
 Ezair, Janet G., *Associate Professor of Elementary and Early Childhood Education and
 Services*, Ed.D., Columbia University

Fane, Lawrence S., *Professor of Art*, A.B., Harvard University
 Farago, John M., *Law School Associate Professor, CUNY Law School at Queens College*,
 J.D., New York University School of Law
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Information Center

General information about campus events, College Bulletins, registration schedule.
Kiely 101, 997-5411.

Bursar

Financial aid check distribution,
997-4505.
Collection of tuition fees and lines.
Jefferson 200, 997-4500.

Campus Store

Here you will find textbooks, stationery, greeting cards, art supplies, college apparel and gifts, candy, and gum, as well as a copying machine and postage stamp dispensers. Credit cards are accepted for all major purchases. Dining Hall, 268-7252.

Colden Center for the Performing Arts

Home of the 2, 143-seat Colden Auditorium, the 462-seat Queens College Theatre, a television center, the Speech and Hearing Clinic, and two academic wings. Professional and student-staged performances in music, dance, drama, and comedy are offered year-round. Box Office, 7938080.

Continuing Education

A program of non-credit courses designed to meet the educational needs of the adult community. Topics in the arts and humanities, business, and skills development are offered. Kiely 111, 997-5700.

English as a Second Language

Serving the needs of the Queens community, this department offers courses to help students enhance their proficiency in English language skills. Kiely IIC, 997-5710.

Financial Aid

Information on federal and state financial aid programs and work study programs available to students. Powder maker 127, 997-5100.

FitzGerald Gymnasium

Athletic and varsity teams,
520-7215.
Recreation programs and intramurals,
520-7775.

Graduate Admissions Offers information about graduate programs, academic requirements, and enrollment procedures. Powder maker 143, 997-5200.

Registrar

Registration, grading, graduation requirements, changes of name and address and student number, veteran's certification, study abroad, degree approval, certification of attendance, permission to study at other institutions. Jefferson 106, 997-4427. Transcripts, 997-4400.

Student Union

Restaurant, cafeteria, game room, meeting rooms, copy center, and offices for student clubs and student governments, 520-7800.

Undergraduate Admissions

Provides prospective undergraduate students with information about the College, its programs, and application and enrollment procedures. Kiely 206, 997-5600.

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ADMINISTRATIVE OFFICES

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Affirmative Action Kiely 1209
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Bursar Jefferson 200
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Dean of the Faculty - Mathematics & Natural Sciences Remsen 125
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TRANSPORTATION

Queens College/CUNY is located at the corner of the Long Island Expressway (LIE) and Kissena Boulevard (exit 24) in Flushing.

By Car

The campus can be reached from Manhattan via the Midtown Tunnel; from the Bronx or Westchester via the Triboro, Bronx Whitestone, or Throgs Neck Bridge; and from farther out on Long Island via the Long Island Expressway, Grand Central Parkway, or Northern Boulevard.

By Public Transportation

Via Flushing: Take the Long Island Railroad or the IRT subway to Main Street, Flushing. From Main Street, take the Q25, Q25-34, or Q17 bus.

Via Forest Hills: Take the IND subway to Continental Avenue, Forest Hills. From Continental Avenue, take the Q65A bus to Kissena Boulevard and Jewel Avenue.

Via Kew Gardens: Take the IND to Union Turnpike. Take the Q74 bus to the main gate.

Via Jamaica: Take the IND subway to Parsons Boulevard or the Long Island Railroad to the Jamaica station. From Jamaica Avenue and 160th Street or Hillside Avenue and Parsons Boulevard in Jamaica, take the Q25-34 bus. From Hillside Avenue and either 169th or 179th Street in Jamaica, take the Q17 bus to the Long Island Expressway and Kissena Boulevard.

Bus Lines

Q25-34 (Queens Transit Bus Line) Runs from Main Street, Flushing (IRT and LIRR stations), along Kissena and Parsons Boulevards to Jamaica Avenue and 160th Street (BMT and IND connections). Stops at the main gate.

Q44 (NYC Transit Authority Bus Line) Runs from West Farms Square, Bronx (IRT station), to Sutphin Boulevard, Jamaica (LIRR station). Stops at Main Street and Melbourne Avenue, two blocks west of the campus.

Q74 (NYC Transit Authority)

Runs from Union Turnpike, Kew Gardens (IND station), along Vleight Place, Main Street, and the LIE service road, and then turns onto Kissena Boulevard. Stops at the main gate.

Q65A (Queens Transit)

Runs from Continental Avenue, Forest Hills (IND station), along Jewel Avenue to 165th Street. Stops one block from the campus.

Q17 (NYC Transit Authority)

Runs from Main Street, Flushing (IRT and LIRR stations), to 165th Street terminal in Jamaica (passing the IND 179th Street station). Travels along Kissena Boulevard, the LIE service road, 188th Street, and Hillside Avenue. Stops at Kissena Boulevard and the LIE, two blocks from the main gate.

Q88 (NYC Transit Authority)

Runs from Springfield Boulevard and Union Turnpike along Springfield Boulevard to 73rd Avenue, along 73rd Avenue to 188th Street, along 188th Street to the LIE, along the LIE service road to Queens Boulevard and Woodhaven Boulevard. Stops at Kissena Boulevard and the LIE, two blocks from the main gate.

Notes on the Catalog Conversion Process

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It was converted from computer files supplied by the school, or the printed catalog was scanned and converted using an OCR (Optical Character Recognition) process. In either case, the catalog's original page formatting was stripped and all photographs and graphics were removed to conserve disk space. The catalog was then reformatted to fit the viewer parameters.

Because of this, the page numbers in the original Table Of Contents and Index were no longer valid and these sections were deleted to avoid confusion. A new, hyperlinked table of contents was then created.

Future editions of this catalog will be converted with a process that better retains page formatting and the original table of contents and index will be hyperlinked.