

163. *Philosophy of Religion* # 3 s.h.
Once a year
Traditional philosophical problems surrounding some basic conceptions in the Western monotheistic religions. Primary attention given to three broad topics: To what extent can belief in God be rationally justified?; What, if anything, does the fact of evil tell us about God's nature?; Is religious discourse ordinary speech or in some way metaphorical or symbolic? Traditional arguments for and against the existence of God are discussed. Prerequisites: PHI 10 or RELI 12 or permission of instructor. (Formerly PHIL 120.)
164. *Philosophy of Mind* 3 s.h.
Periodically
Survey of issues in philosophy of mind, including the mind/body problem, artificial intelligence, consciousness, intentionality and mental causation. Questions discussed include: What are minds? How can brains possibly think? Can animals, babies or computers think? Are minds independent of bodies? Can minds change bodies?—survive death? Prerequisite: PHI 10 or permission of instructor. (Formerly PHIL 116.)
165. *Philosophy of Language* 3 s.h.
Periodically
An investigation of how language relates to the world. The course examines theories of the nature of meaning, truth, reference and fiction, and the relations these concepts have to linguistic and other kinds of behavior. Prerequisite: PHI 10 or 14 or permission of instructor. (Formerly PHIL 117.)
166. *Contemporary Social and Political Philosophy* 3 s.h.
See course description, page 427.
167. *Philosophy of Feminism* 3 s.h.
Once a year
The course considers how feminism challenges traditional ways of thinking about human nature, conceptions of rationality, objectivity and philosophy of science, and moral philosophy. The course presupposes that the student has some familiarity with philosophical concepts and thinking. Prerequisites: PHI 10 and/or 14 and sophomore standing, or permission of instructor. (Formerly *Feminist Philosophy*; PHIL 142.)
170. *Ethical Theory: Values, Relativism and Pluralism* 3 s.h.
See course description, page 427.
180. *Theories of Knowledge and Being* 3 s.h.
See course description, page 427.
181. *Topics in Philosophy* 3 s.h.
See course description, page 428.
182. *Selected Philosophers* 3 s.h.
See course description, page 428.
- 183, 184. *Seminar: Problems of Philosophy* 3 s.h. each
Periodically
Each semester topic is chosen for a study in depth, ranging from problems of space-time and universals to issues pertaining to social and political philosophy. Prerequisite: two courses in philosophy, or permission of instructor. May be repeated for credit when topics vary. (Formerly PHIL 153, 154.)
- 191, 192. *Readings in Philosophy* 1-3 s.h. each
Fall, Spring
The student will read selections assigned by the instructor and prepare oral or written papers. Prerequisite: permission of instructor. (Formerly PHIL 191, 192.)
193. *Honors Essay* 3 s.h.
Fall, Spring
Research for and writing of a substantial essay in philosophy. Open only to philosophy majors who are eligible and desire to graduate with departmental honors (see page 69 for the condi-

tions of eligibility for departmental honors). Interested students must secure, before registration, written permission of the instructor who will supervise the essay. The Honors Essay will be evaluated by the department. May be repeated for credit if taken in both fall and spring of senior year. (Formerly PHIL 193.)

194. *Seminar* 3 s.h.
See course description, page 428.

Philosophy of Science

Administered by the Department of Philosophy. Associate Professor Dardis, *Chairperson*.

Associate Professor of Philosophy Holland, *Adviser*

MINOR IN PHILOSOPHY OF SCIENCE is an interdisciplinary program primarily designed for students majoring in a particular science or in mathematics. This minor enables students to develop a broader view of their major to appreciate, for example, the important historical developments in their given field, and to better learn to critically evaluate their major's subject matter and its method of inquiry.

The minor consists of 18 semester hours of required and elective courses listed below, with at least six hours in residence. It is recommended that students complete their mathematics and natural science core requirements before beginning this program. Students should also be aware that some of the courses listed below require prerequisites, see individual courses.

A. Required

PHI 161. *Philosophy of Science* #, 3 s.h.

B. Logic Requirement

PHI 154. *Introduction to Symbolic Logic*, 3 s.h. or
MATH 191. *Introduction to Set Theory*, 3 s.h. and
PHI 156. *Advanced Symbolic Logic*, 3 s.h.

NOTE: MATH 202. *Mathematical Logic* may be substituted for PHI 156 with permission of adviser.

C. Electives, nine semester hours chosen from the following:

ENGG 149. *Technology & Society—Impact & Implication*, 3 s.h.
MATH 155. *History of Mathematics*, 3 s.h.
PHI 184. *Seminar: Problems of Philosophy*, 3 s.h.
PHYS 118. *Modern Physics*, 3 s.h.

NOTE: Consult Program Adviser for other elective courses.

Physical Education and Sport Sciences (PESP)

Formerly Health, Physical Education and Recreation (HPER)

Formerly Health Studies, Sport Sciences, and Physical Education (HSPE)

Adjunct Assistant Professor Romeo, *Chairperson*

Professor Zwiren; Associate Professors Alberts, Clements, Doolittle, Frieman, Halliday, Smith; Assistant Professors Jameson, Maurer, Subramaniam.

The Physical Education and Sport Sciences Department provides several categories of activities:

- I. Undergraduate major programs leading to the following:
 - A. B.S. in Ed. Certification for teaching of physical education. (See section IA below.)

#Core course

- B. B.S. An exercise specialist—leading exercise classes and evaluating fitness programs. (See section IB below.)
- C. B.S. Athletic training—preparation for NATA certification as an athletic trainer. (See section IC below.)
- II. Minor programs in physical education, and driver-traffic safety education for men and women. (See section II below.)
- III. Skills courses—a variety of physical education skills courses for undergraduate degree credit (up to 8 semester hours), open to all students. (See section III below.)
- IV. Master of Science in Physical Education (see section IV below.)

NOTE: for intercollegiate athletics, see page 16; for recreation and intramural programs, see page 18.

Please note new course prefixes:

- 1B through 205 will carry the prefix PESP
- 210 through 252 will carry the prefix MSPE
- 300, 301, 302, will carry the prefix MSPE

I. MAJOR PROGRAMS

A. BACHELOR OF SCIENCE IN EDUCATION IN PHYSICAL EDUCATION:

This undergraduate major program is designed to prepare preservice physical education teachers to be scholarly, highly skilled, reflective practitioners able to meet the needs of PreK-12 students with a diversity of needs, experiences, cultural backgrounds, disabilities, and special abilities. The program focuses attention on the acquisition of knowledge and skills that enable the preservice teacher to develop and implement effective, innovative physical education programs that meet the New York State Learning Standards in schools. Associate Professor Halliday, *Adviser*

MATRICULATION

For provisional acceptance into the physical education major program, the following are required:

1. Admission into Hofstra University.
2. An interview with the program coordinator for advisement and scheduling.

DEGREE REQUIREMENTS

Candidates for graduation must fulfill the following requirements:

1. Successful completion of at least 129 semester hours and a cumulative grade point average of 2.5 in work completed at Hofstra.
2. At least 63 semester hours must be in liberal arts.
3. There are two requirements that must ordinarily be completed in residence at Hofstra: 24 hours in the major field of specialization, including: PESP 138A, 154, 154A, 103, 103A, 104, 104A, 170A, 130A and 130B, and the last 30 hours. The 24 hours need not be included within the last 30 hours.
4. The following general and major requirements:
 - a) Communication Skills: 9 semester hours
 1. ENGL 1-2
 2. SPCM 1
 - b) History elective: 3 semester hours
 - c) Multicultural Perspective elective: 3 semester hours chosen from the following: ANTH 4, 131, 137; CLL 190 or others as approved by the program coordinator.
 - d) Mathematics elective: 3 semester hours
 - e) Philosophy elective: 3 semester hours selected from the following: PHI 10, 14, 20 or others as approved by the program coordinator.
 - f) Fine Arts: 3 semester hours: DNCE 121.
 - g) Literature elective: 3 semester hours
 - h) Social sciences: 6 semester hours
 1. PSY 1

2. Developmental psychology: 3 semester hours selected from the following: PSY 53, SPG 029

- i) Natural sciences: 6 semester hours: BIO 103, 105
- j) Language other than English: completion of level 2 in a language other than English, or placement above level 2. (American Sign Language accepted.)
- k) Information Retrieval: PESP 50 and satisfactory score on information retrieval competency test or equivalent course work.
 - l) Liberal Arts Electives: 8 semester hours of electives in the liberal arts.
- m) Professional education: 31 semester hours:
 1. CT 102; FDED 111** or 127**, PESP 103, 103A, 104, 104A, 154, 154A, 167, 130A, 130B
 2. 1 semester hour in Literacy education: LYST 100, *Literacy, Health and Physical Education*.
- n) Physical education professional core: 34 semester hours:
 1. PESP 13A, 50, 53, 60, 80, 106, 108, 138A, 164, 170, 170A; BIO 106**
 2. 4 semester hours in health for elementary and middle school children: SGG 69, *Health in Early and Middle Childhood*. (New College)
- o) Physical education skills techniques:
 1. At least 6 semester hours selected as follows:
 - a. select at least one course from each of the following categories:
 - 1) net and wall sports: PESP 3A, 33A, 36A or others as approved by the program coordinator
 - 2) target sports: PESP 2A, 7A, 9A, 14A or others as approved by the program coordinator
 - 3) outdoor/leisure pursuits: PESP 45, 46 or others as approved by the program coordinator
 - 4) striking/field sports and personal performance sports: 27A, 34A, 38A, 39A or others as approved by the program coordinator
 - 5) team passing sports: 5A, 8A, 10A, 16, 26A or others as approved by the program coordinator
 - b. additional elective courses:
 - 1) electives chosen from any of the 5 categories listed above
 - 2) aquatics: PESP 31, 42, 143 (must meet prerequisites)
 - 3) dance: PESP 111B and courses offered in the dance department as approved by the program coordinator
 - 4) officiating: PESP 139, 140, 142, 144, 145, 146, 147
 2. Dance: PESP 12, DNCE 121
 3. Cooperative Adventure Activities: PESP 119
 4. Gymnastics: PESP 15A
 5. Fitness: PESP 25
5. Students must complete an independent internship experience coaching a middle school or high school interscholastic team for at least one season (or other similar experience as approved by the program coordinator).
6. Successful completion of the University Writing Proficiency Test.
7. Successful completion of Child Abuse/Child Abduction Prevention and Substance Abuse Prevention workshops or courses as approved by the program coordinator.

Student Teaching Requirements

Students who have declared physical education as their major must meet the following standards in order to continue in the program:

**Counted in total credits as required liberal arts course. For admission to student teaching, these courses should be used in the computation of grade-point average in the required physical education and skills category.

1. A cumulative grade point average of 2.5 or better in the following categories:
 - a) all course work completed at Hofstra University;
 - b) required professional education coursework;
 - c) required physical education skill and professional core course work.

To be admitted to student teaching, students must meet the following requirements:

1. meet all continuation requirements as outlined above
2. receive a grade of C– or better in SPCM 1
3. successfully complete FDED 111 or 127; CT 102; PESP 103, 103A, 104, 104A, 154, 154A
4. No D's, F's or INC in major courses.

Application forms for student teaching may be obtained in 243 Gallon Wing. Applications must be submitted by October 1 for admission to student teaching in the spring semester and by March 1 for admission to student teaching in the fall semester. ***See note below regarding teacher certification examinations.

Graduation Requirements

Graduation from the program requires: 1) completion of criteria listed in 1-7 above; 2) no grades lower than C– and no unresolved INC grades in professional education course work; 3) an overall GPA of 2.5 or better in all course work, and 4) successful completion internship requirements listed in item 5 and all other degree requirements.

Teacher Certification Requirements

Upon the successful completion of a teacher education program, students will be eligible to apply for the University's recommendation for New York State certification. For Initial Certification, students are required to have passing scores on each of the New York State Teacher Certification Examinations (NYSTCE): the Liberal Arts and Sciences Test (LAST), and the Assessment of Teaching Skills—Written (ATS-W). Students not receiving passing scores on both examinations, will not be eligible for certification. Additional information pertaining to certification can be found on page 120.

***NOTE: It is *strongly recommended* that students complete the Liberal Arts and Sciences Test (LAST) of the New York State Certification Examinations prior to student teaching and the Assessment of Teaching Skills—Written (ATS-W) during student teaching. Both New York State Teacher Certification Examinations (NYSTCE) should be completed prior to graduation. Students not receiving passing scores on both examinations will not be eligible for certification.

B. B.S. SPECIALIZATION AS AN EXERCISE SPECIALIST: this undergraduate major program gives students a background in the scientific concepts of fitness exercise, disease risk reduction, nutrition, and the techniques used to evaluate fitness, and health status. Students, in addition, are given an introductory background in the psychological and business aspects of the fitness/wellness field. Students are also prepared to go on to graduate work in related fitness/wellness/allied health disciplines. The emphasis of the course of study is on working with adults outside of the formal educational system. This program does *not* include preparation for New York State teacher certification. However, this program *does* include a senior year field experience in health fitness clubs, corporate fitness programs, cardiac rehabilitation programs, and/or any other approved fitness or wellness centers.

Professor Zwiren, *Coordinator*

Final admission to the field experience will be made by the Chairperson of the Department of Physical Education and Sport Sciences upon recommendation from the faculty.

Matriculation Standards are the same as for the certification program (IA).

CONTINUATION STANDARDS

Students who have declared exercise specialist as their major, are screened for admission to the program at the completion of their sophomore year (64 credits) based on the following criteria:

1. A cumulative grade-point average of 2.5 or better in the following categories:
 - a) All course work completed at Hofstra University;
 - b) required exercise specialist major course work (courses designated by ††).
2. Recommendation of the major adviser.
3. Final admission to the program is made by the Chairperson of the Department of Physical Education and Sport Sciences upon the recommendation from the faculty.

DEGREE REQUIREMENTS

Candidates for graduation must fulfill the following requirements:

1. The successful completion of at least 129 semester hours and a cumulative grade-point average of 2.5 in work completed at Hofstra.
2. At least 63 semester hours must be in liberal arts.
3. There are two requirements that must ordinarily be completed in residence at Hofstra: 15 semester hours in the major field of specialization, including two field experiences, and the last 30 hours. The 15 hours need not be included within the last 30 hours.
4. The following general and major requirements:
 - a) ENGL 1-2*
 - b) Humanities, 6 semester hours, including SPCM 1, 7, 11
 - c) PSY 1, 63, SGG 047
 - d) SOC 4
 - e) BIO 50, 103, 105, 106††
 - f) Liberal arts electives, 24 semester hours, with 9 of these semester hours in related disciplines taken under advisement.
 - g) Basic statistic, computer, or microcomputer course, 3 s.h. course taken under advisement
 - h) PESP 25††, 35††, 38B††, 60††, HPFS 62††, 66††, 69††, 70††, PESP 100††, 106††, 111B††; HPFS 114††; PESP 149A††, 149B††, 161††, 194, 196††, 197††, 198††, 199.
 - i) Electives: selection of 6 s.h. from the following courses or under advisement: HPFS 63, 64, 65, 67, 68, 69, 70; PESP 138A.
 - j) Two business courses taken under advisement, 6 s.h.
 - k) CRSR 116, and a 2 s.h. Dance course taken under advisement.

C. B.S. SPECIALIZATION IN ATHLETIC TRAINING: this undergraduate major program is designed to prepare students for employment in the profession of athletic training. It focuses on the application of knowledge of anatomy and physiology in terms of physical conditioning, preventative and rehabilitative treatment for athletes. The program fulfills all of the requirements established by the Commission on the Accreditation of Allied Health Education Programs.

MATRICULATION

1. Students can apply to the athletic training program after they have met general admission standards and successfully complete BIO 103, 105, PESP 60, 169 with a grade of B or better in each course. The student must maintain a 2.5 overall

*See University Degree Requirements, page 66.
††Required exercise specialist major course work.

grade-point average, and a 2.75 grade-point average within the athletic training major courses.

- To become a matriculated athletic training student they must: submit an essay, two letters of recommendation, interview with the athletic training staff and complete clinical observation hours as defined in PESP 169.

CONTINUATION STANDARDS

Upon completion of the sophomore year, all athletic training majors must meet the following criteria to continue in the program:

- A cumulative grade-point average of 2.5 or better for all course work. A cumulative grade-point average of 2.75 or better in the athletic training major courses (indicated by the symbol "+"). If a student does not maintain the proper cumulative grade-point average (2.5 or better overall, 2.75 or better in athletic training major courses), they will be placed on a one semester probation. If at the end of the semester their grade-point average does not meet the requirement, they will be dropped from the program.
- Completion of clinical observation hours. If a student does not complete the required clinical observation hours, it is the responsibility of the student to make arrangements with the Athletic Training Program Coordinator to complete these hours the next semester. If at the end of the semester they have not completed the clinical observation hours, they will be dropped from the program.
- Recommendation of the major adviser.
- Recommendation of the Athletic Training Program Coordinator.

Final admission to the program will be made by the Chairperson of the Department of Physical Education and Sport Sciences upon the recommendation of the department faculty.

CLINICAL EXPERIENCE

Satisfactory completion of a minimum of 1200 clinical hours in an athletic training setting. These must be accumulated with the following restrictions:

- All clinical hours must be under the supervision of an NATA Certified Athletic Trainer.
- Twenty-five percent (25%) of these hours must be in "high risk sport" coverage (i.e., football, lacrosse, basketball).
- All hours must be accumulated in a period of not less than two, and no more than five years.
- A student must intern for a minimum of 40 work hours in an *allied clinical setting*. These hours accumulated are designed to supplement clinical experiences in athletic training rooms. The allied setting may include physical therapy and/or rehabilitation clinics, college or university health centers, hospital emergency rooms, physician's offices, or other appropriate health care facilities. The hours accrued in an allied setting may not count toward the 1200 clinical hour requirement.
- A student must intern for a maximum of 400 work hours in an *affiliated clinical setting*. These settings may be used to broaden and supplement clinical experiences at Hofstra. These hours must be under direct supervision of a qualified clinical instructor (current NATA recognition as a certified athletic trainer and a minimum of one year full-time experience as an NATA certified athletic trainer including experience in the clinical supervision of student athletic trainers).

DEGREE REQUIREMENTS

Candidates for graduation must fulfill the following requirements:

- The successful completion of 128 semester hours of prescribed coursework.
- At least 66 semester hours must be in liberal arts.
NOTE: no more than 12 semester hours of liberal arts electives may be taken on a Pass/D+/D/Fail basis.

- There are two requirements that must ordinarily be completed in residence at Hofstra: 15 semester hours in the major field of specialization, including one off-campus field experience and the last 30 hours. The 15 hours need not be included within the last 30 hours.

- The following general and major requirements:

- ENGL 1-2**
- Humanities electives, 6 semester hours
- Electives, 6 semester hours chosen from the following: AH 5, 6, 7, 8, 74; CLL 39, 40, 53, 54; AVF 10; DRAM 1, 59A, 157, 173, 174, 175, 176; ENGL 40, 41, 42, 43, 44, 51, 52, 107, 115, 121, 129, 133, 141, 143, 145A, 153, 157; FRLT 48, 49; JW ST 10; MUS 1, 3, 20, 21, 22, 23, P 1-22, 135; SPLT 51, 52; UHP 12
- SPCM 1 or 11
- PSY 1+, 54, 63
- SOC 4
- Social science elective, 3 semester hours (not in sociology or psychology)
- BIO 50+, 103+, 105+, 106+
- CSC 5
- MATH 12, 10, or 137, 3 s.h.
- PHYS 4, or 1A and 1B, 3-4 s.h.
 - PESP 13, 25, 38B, 60+; HPFS 62+, 66; PESP 102A+, 106+, 108, 111B, 138A, 161+, 163+, 167, 168+, 169+, 190A+, 192+, 194, 195, 196, 198, and one course chosen from the following: PESP 35 or 100
- Liberal arts electives, 9 semester hours.

*For those students wishing to complete physical therapy prerequisites, the following must be completed:

- PHYS 1A & 2A, 1B & 2B,
- MATH 10, or 137
- CHEM 3A, 3B, 4A, 4B (is not a requirement for the Athletic Training Degree).

II. MINOR PROGRAMS

Minor programs for men and women consist of the successful completion of the program requirements, taken under advisement. The following minors are offered by the department:

A. PHYSICAL EDUCATION AND SPORT SCIENCES—18 s.h.

Students may select one of the three areas:

- Theory Concentration
 - 12 s.h. in theory courses
 - 4 s.h. in science courses
 - 2 s.h. in skills courses
- Science Concentration
 - 12 s.h. in science courses
 - 4 s.h. in theory courses
 - 2 s.h. in skills courses
- Skills Concentration
 - 7 s.h. in theory courses
 - 5 s.h. in science courses
 - 6 s.h. in skills courses

Theory courses are: PESP 13, 50, 53, 103, 104, 138A, 139, 140, 142, 144, 145, 146, 147, 151, 152, 155, 156, 161, 163, 164, 167, 170, 170A, 191, 193; DNCE 127, 128.

Science courses are: PESP 60, HPFS 62, PESP 106, 108, 161, 170, 170A

Skills courses are: PESP 1B, 2A, 2B, 3A, 3B, 4A, 4B, 5A, 5B, 6B, 7A, 7B, 8A, 8B, 9A, 9B, 10A, 10B, 12, 14A, 14B, 15A, 15B, 16,

*Counts as a liberal arts course.

**See University Degree Requirements, page 66.

+Counted in total credits as required natural science course. For admission to student teaching, this course should be used in the computation of grade-point average in the required physical education theory and skill category.

18, 19, 21, 22, 23, 24, 25, 26A, 26B, 27A, 27B, 28A, 28B, 31, 31C, 32, 33A, 33B, 34A, 35, 36A, 36B, 37, 38A, 38B, 39A, 40, 42, 44, 45, 46, 84, 100, 109, 111B, 112, 119, 120, 121, 122, 123, 131, 132, 133, 134, 139, 140, 141, 142, 143, 144, 146, 147.

B. DRIVER-TRAFFIC SAFETY EDUCATION

This program is designed for future and certified teachers who are to complete or who have completed the minimum course requirements essential for teaching driver-traffic safety at the secondary level.

This is an in-service professional program leading to a provisional or permanent certificate (12 s.h.) to teach driver-traffic safety education. Requirements: PESP 201, 202A, 202B and 203.

III. SKILLS COURSES/SERVICE PROGRAM

Eight semester hours of physical skills courses may be chosen as electives toward fulfilling the University requirements for graduation. Assistant Professor Frierman, *Coordinator*

The Department of Physical Education and Sport Sciences offers a variety of courses designed to develop and improve fitness and behavior toward exercise with lifelong learning goals. We offer the student opportunities for development, for enrichment and for the pleasure and joy which come from achievement and excellence.

The classes are arranged to permit individual selection of activity in conjunction with the needs, interests and abilities of the student.

Each semester is divided into two programs: Outdoor Program and Indoor Program. Courses are offered on an 8-week, ½-1 credit basis and on a full semester 16-week, 1-2 credit basis. A student interested in registering for physical education has the following choices:

1. One 8-week, ½-1 credit course from either the Outdoor or Indoor Program; ½-1 credit courses do not have to be taken in sequence. A student does not have to accumulate one whole credit in any given semester.
2. One 8-week, ½-1 credit course from *each* program, i.e., Outdoor and Indoor, for a total of 1-2 credits for the semester.
3. Two ½-1 credit courses from the Outdoor or Indoor Program.
4. One 2-credit course from the Outdoor or Indoor Program which runs the entire semester, i.e., fencing, scuba diving, gymnastics, fitness for life, swim for fitness, advanced life saving, water safety instructor and aerobic dance.
5. A maximum of 8 credits in physical education skills courses may be applied toward graduation requirements. However, credit for the same numbered skills course taken *more than twice* will not be applicable toward graduation.
6. Courses are graded Pass/D+/D/Fail with the option of a letter grade for 1-2 credit skills courses, which run a full semester.

NOTE: for listing of skills courses, see above.

IV. MASTER OF SCIENCE IN PHYSICAL EDUCATION

This program is designed to further the professional development of teachers on the elementary and secondary levels. It focuses attention on the design and development of curricula through an understanding of contemporary pedagogical, socio-cultural and scientific trends and issues in physical education and sport.

Associate Professor Clements, *Coordinator*

ADMISSION REQUIREMENTS

1. Admission to Hofstra University.
2. Hold a bachelor's degree from an accredited institution with a major in physical education. Candidates who do not hold a bachelor's degree in physical education or are not certified to

teach, must meet with the Graduate Program Coordinator to determine which corequisites must be met before becoming matriculated in the program. The minimum corequisite requirements for students without a physical education degree or teaching certification: (a-g not part of 36 s.h.):

- a) PESP 103 or 154, 3 s.h.
 - b) PESP 104, 3 s.h.
 - c) Education courses, 6 s.h. selected under advisement.
 - d) MSPE 230A-230B, *Student Teaching*.
 - e) BIO 103, 105, 6 s.h. or equivalent.
 - f) Skill content requirements (determined under advisement).
 - g) Students must receive at least a grade of "C" or better in all corequisite courses.
3. Undergraduate grade-point average of 2.5. Students with less than a 2.5 GPA must meet with the Graduate Program Coordinator to determine additional entrance requirements.
 4. An interview with the Graduate Program Coordinator.
 5. Submitting to Graduate Admissions:
 - a) three letters of recommendation;
 - b) a brief typed statement indicating the applicant's interest in the program and listing physical education activities, awards, teaching experience, etc.;
 6. Satisfactory scores on the Graduate Record Examination (GRE).

CONTINUATION STANDARDS

Upon completion of 12 semester hours, each candidate must meet the following criteria to continue in the program:

1. A cumulative grade-point average of 3.0 or better.
2. Recommendation of the graduate faculty attesting to the candidate's professional knowledge, proficiency and competence in the area of specialization.

PROGRAM: 36* semester hours distributed as follows:

Core courses: 15 s.h.

- | | | |
|------|------|--|
| MSPE | 210. | <i>Pedagogical Trends & Issues in Physical Education & Sport</i> , 3 s.h. |
| | 211. | <i>Contemporary Sociocultural Trends & Issues in Physical Education & Sport</i> , 3 s.h. |
| | 212. | <i>Scientific Trends & Issues in Physical Education & Sport</i> , 3 s.h. |
| RES | 258. | <i>Understanding Research Methodology</i> , 3 s.h. |
| | 259. | <i>Introduction to Statistical Methods in Educational Research</i> , 3 s.h. |

Major field requirements: 9 s.h.

- | | | |
|------|------|---|
| MSPE | 213. | <i>Innovative Instructional Strategies for Teaching Physical Education</i> , 3 s.h. |
| | 214. | <i>Contemporary Curriculum Perspectives in Physical Education</i> , 3 s.h. |
| COUN | 203. | <i>Introduction to Counseling</i> , 3 s.h. or |
| | 207. | <i>Health Counseling</i> , 3 s.h. |

Theory: electives selected under advisement, 3-9 s.h.

- | | | |
|------|------|---|
| MSPE | 215. | <i>Advanced Perceptual Motor Learning</i> , 3 s.h. |
| | 216. | <i>Adaptive Physical Education</i> , 3 s.h. |
| | 217. | <i>Research Implications on Curricula Trends in Physical Fitness</i> , 3 s.h. |
| | 218. | <i>Sport & the Law</i> , 3 s.h. |
| | 219. | <i>Comparative Studies in Physical Education & Sport</i> , 3 s.h. |
| | 220. | <i>Motor Development</i> , 3 s.h. |
| | 221. | <i>Field Experience</i> , 3 s.h. |

Application: electives selected under advisement, 3-6 s.h.

*Counts as a liberal arts course.

- MSPE 223. *Implementing Health Related Fitness & Nutrition into School Curricula*, 3 s.h.
 224. *Implementing Motor Learning Theories*, 3 s.h.
 225. *Analysis of Movement*, 3 s.h.
 227. *Workshop: Movement & New Games for Elementary Physical Education Teachers*, 1 s.h.
 228. *Workshop: Dance Education, Advanced Theory & Practice*, 1 s.h.
 229. *Educational Gymnastics*, 1 s.h.
 235. *Movement & New Games for Elementary Physical Education Teachers*, 3 s.h.
 236. *Analysis of Team & Individual Sports*, 3 s.h.
 237. A-Z. *Special Topics in Physical Education & Sport*, 1-3 s.h.

Electives in other departments: foundations of education 200-level course recommended.

***Thesis/Comprehensive Examination Option**

Option A. Thesis (MSPE 301, *Master's Essay*), 3 s.h.

Option B. Comprehensive Examination

If the comprehensive examination is not passed, the student must complete MSPE 301, 302, *Master's Essay* or MSPE 300, *Departmental Seminar*.

COURSES

In addition to semester notations next to each course, a selection of courses is offered during the January and Summer sessions. Consult the *January* and *Summer Sessions* bulletins for these schedules.

Please note new course prefixes:

IB through 205 will carry the prefix PESP

210 through 252 will carry the prefix MSPE

300, 301, 302, will carry the prefix MSPE

- 1B. *Adapted Physical Education* 1 s.h.
 Fall, Spring
 Geared to meet the specific needs of students who have medical problems, i.e., weight control, physical handicaps, etc. (Formerly HPER; HSPE)
- 2A, 2B. *Archery* A-½ s.h., B-1 s.h.
 Spring
 Basic skills and techniques, cost, care and maintenance of equipment. Interclass competitive shooting and attendance at an archery meet. (Formerly HPER; HSPE)
- 3A, 3B. *Badminton* A-½ s.h., B-1 s.h.
 Fall, Spring
 Basic strokes (grip, stance, form), rules of the game, care and selection of equipment. Class tournaments arranged. (Formerly HPER; HSPE)
- 4A, 4B. *Baseball* A-½ s.h., B-1 s.h.
 Spring
 For students interested in team sports. Basic instructions in the fundamentals of skills and team play. (Formerly HPER; HSPE)
- 5A, 5B. *Basketball* A-½ s.h., B-1 s.h.
 Fall
 Basic knowledge, techniques and the practice of fundamental skills. (Formerly HPER; HSPE)
- 6B. *Hiking and Backpacking* 2 s.h.
 Fall, Spring
 Introduction to skills and techniques which will be applied to specified situations. Weekend trips will be required for comple-

tion of the course. Students must supply or be willing to rent backpacking equipment. (Formerly HPER; HSPE)

- 7A, 7B. *Bowling* A-½ s.h., B-1 s.h.
 Fall, Spring
 The fundamentals of 10-pin bowling. Classes are held off campus. Students must provide their own transportation. Fees for games bowled are included in the tuition. (Formerly HPER; HSPE)
- 8A, 8B. *Football Fundamentals* A-½ s.h., B-1 s.h.
 Fall
 An introduction to individual and team concepts of football. Offensive and defensive theories of play as well as individual skills are presented. Theories and skills learned are applied in flag football scrimmages and games. (Formerly HPER; HSPE)

9A. *Fencing* ½ s.h.
 Fall
 Fundamental skills and strategies of foil fencing. (Formerly HPER; HSPE)

9B. *Fencing* 2 s.h.
 Fall, Spring
 Fundamental skills and strategies of foil fencing. Bouts and the use of electrical scoring equipment. (Formerly HPER; HSPE)

10A, 10B. *Field Hockey* A-½ s.h., B-1 s.h.
 Fall
 For students interested in team sports. Basic instruction includes the fundamentals of skills and team play. (Formerly HPER; HSPE)

12. *Folk and Square Dance* 1 s.h.
 Fall
 Broad range of elementary folk dances; customs and dances of other countries. (Formerly HPER; HSPE)

13. *Fundamentals of Movement* 1 s.h.
 Fall
 Concepts of the basic principles and practices of body movement. Body development, exercises and posture are emphasized. (Formerly HPER; HSPE)

13A. *Fundamentals of Human Movement* 3 s.h.
 Fall, Spring
 In this course the student has the opportunity to learn about the age-related changes that occur in motor behavior from infancy through adulthood and how to use this knowledge to help people achieve their individual movement potentials.

14A. *Golf* ½ s.h.
 Fall
 The fundamentals of golf: grip, stance, swing, rules and etiquette. Practice with long and short irons, drivers and putters. (Formerly HPER; HSPE)

14B. *Golf* 1 s.h.
 Fall, Spring
 For students seeking further skill and knowledge beyond the beginning level. Instruction is given mainly on a golf course. (Formerly HPER; HSPE)

15A, 15B. *Gymnastics* A-1 s.h., B-2 s.h.
 Fall
 This course is designed to help the physical education major to acquire the knowledge, the performance and pedagogical skills in tumbling, educational, and artistic gymnastics to enable him/her to teach these activities effectively and safely in a school setting. (Formerly HPER; *Gymnastics I*; HSPE.)

*Recommended for majors.

16. *Lacrosse* ½ s.h.
Spring
For students interested in team sports. Basic instruction includes the fundamentals of skills and team play. (Formerly HPER; HSPE)
18. *Physical Conditioning* 2 s.h.
Fall, Spring, Summer
Designed to introduce the basic principles of physical fitness through lecture and activity related experiences. A variety of activities are introduced that emphasize cardiovascular conditioning, strength and flexibility. Concepts of improving one's health related fitness and caloric intake are included. (Formerly HPER; HSPE)
19. *Horseback Riding—English Style* 2 s.h.
Fall, Spring
To foster an appreciation and understanding of safe riding techniques, to develop and encourage an interest in environment related leisure time activities, and to provide an atmosphere which promotes social interaction in an informal coeducational setting. Lab fees additional. (Formerly HPER; HSPE)
21. *Scuba: Basic Underwater Diving Techniques* 2 s.h.
Fall, Spring
Students learn to dive using scuba equipment and to apply these skills to further investigate the underwater marine environment. All necessary equipment is supplied. Students may receive the National Association of Underwater Instructors (NAUI) certification by taking PESP 121. Lab fees additional. (Formerly HPER; HSPE)
22. *Self-Defense* 2 s.h.
Fall, Spring
Instruction and practice for men and women. Strategy, skills and physical conditioning. Valuable skills can be attained for use in emergency situations. (Formerly HPER; HSPE)
23. *Advanced Life Saving* 2 s.h.
Fall, Spring
Standard Red Cross Advanced Life Saving Certificate. Prerequisite: swimmer's certificate or permission. (Formerly HPER; HSPE)
24. *Downhill Skiing* 2 s.h.
January
For the beginner through the expert. Four weeks of classroom training and physical conditioning. Practical sessions held at a ski area in New Hampshire or Vermont during January intersession. Transportation via car pool. Lab fees additional, payable at second class meeting, include lodging and two meals/day for five days, equipment rental, lift tickets and five 1½ hour lessons. (Formerly HPER; HSPE)
25. *Fitness for Life* 2 s.h.
Fall, Spring
An activity course designed to improve one's fitness and to gain knowledge regarding aerobic fitness and weight control. Improvement of fitness is gained through activities including walking, jogging, resistive and exercise machines. Gaining of information regarding body percent fat, weight control, consumer nutrition, exercise prescription and stress reduction are included. (Formerly HPER; HSPE)
- 26A, 26B. *Soccer* A-½ s.h., B-1 s.h.
Fall, Spring
Basic skills in heading, dribbling, shooting as well as strategy and rules of the game. Interclass competition. (Formerly HPER; HSPE)
- 27A, 27B. *Softball* A-½ s.h., B-1 s.h.
Spring
For students interested in team sports. Basic instruction in the fundamentals of skills and team play. (Formerly HPER; HSPE)
- 28A, 28B. *Speedball* A-½ s.h., B-1 s.h.
Fall, Spring
For students interested in team sports. Basic knowledge, technique, and the practice of fundamental skills and team play. The variety of ways in which the ball may be kicked or passed, as a team works together to score, makes this sport highly enjoyable. (Formerly HPER; HSPE)
31. *Swimming I* 1 s.h.
Fall, Spring
Fundamentals of elementary swimming, with emphasis on individual achievements and water safety, working toward the American Red Cross Beginners Certificate as minimum achievement. (Formerly HPER; HSPE)
- 31C. *Water Polo* 2 s.h.
Fall, Spring
Introduction to the fundamental skills of water polo. Discussion of the history, terminology and rules of the game. Fundamental principles of conditioning together with team defensive and offensive strategy are examined. Restricted to intermediate and advanced swimmers. (Formerly HPER; HSPE)
32. *Tai Chi Chuan I* 2 s.h.
Fall, Spring
An ancient Chinese exercise for health, relaxation, centering, balance, grace and fluidity. (Formerly HPER; HSPE)
- 33A, 33B. *Tennis I* A-½ s.h., B-1 s.h.
Fall, Spring
Fundamentals: grip, forehand, backhand, serve, etc., rules of the game, strategy, and care and selection of equipment. (Formerly HPER; HSPE)
- 34A. *Track and Field* ½ s.h.
Spring
Instruction and practice in fundamentals and techniques. (Formerly 34; HPER; HSPE)
35. *Hatha Yoga* 2 s.h.
Fall, Spring
Specially designed postures and exercises which not only improve the student's overall physical fitness level, but also increases bodily awareness and creativity. (Formerly HPER; HSPE)
- 36A, 36B. *Volleyball* A-½ s.h., B-1 s.h.
Fall, Spring
Basic knowledge of the rules and regulations, techniques, fundamental skills, and their application in game situations. (Formerly HPER; HSPE)
37. *Weight Control* 1 s.h.
Fall, Spring
Designed to outline exercise and condition factors conducive to weight loss and control. Information relative to diet, rest and metabolism will also be included. (Formerly HPER; HSPE)
- 38A, 38B. *Weight Training* A-½ s.h., B-1 s.h.
Fall, Spring
Basic principles and skills. Emphasis on cardiovascular and flexibility activities. (Formerly HPER; HSPE)
- 39A. *Wrestling* ½ s.h.
Fall
Designed to develop an appreciation for and mastery of the basic fundamental holds, take downs, escapes, reversals and the understanding of the rules. (Formerly HPER; HSPE)
40. *Paddleball (one wall)* 1 s.h.
Fall, Spring
Fundamental skills, rules and regulations, techniques and strategies of the one-wall game. (Formerly HPER; HSPE)

42. *Lifeguard Training* 3 s.h.
Once a year
The purpose of this course is to focus attention on the skills and knowledge required for an individual to assume the responsibilities of a lifeguard at a swimming pool or a protected (nonsurf) open-water beach. Upon completion of this course, students may be eligible for certification from the American Red Cross in lifeguard training, standard first aid and adult CPR. (Formerly HPER; HSPE)
44. *Karate I* 2 s.h.
Fall, Spring
Study of the traditional Japanese martial art as one of the most effective self-defense methods. (Formerly HPER; HSPE)
45. *Orienteering* ½ s.h.
Once a year
This course is designed to introduce the student to the locomotor skills, map and compass skills, and space and time skills as they relate to the sport of orienteering. (Formerly HPER; HSPE)
46. *Camping Skills* ½ s.h.
Once a year
This course is designed to introduce the student to the knowledge and skills needed for a successful camping experience. A weekend camping trip is included in the course for which students may be required to either provide or rent various pieces of camping equipment. (Formerly HPER; HSPE)
50. *Introduction to Physical Education** 1 s.h.
Fall, Spring
Provides preservice physical education teachers with a broad overview of the field of physical education. Introduction to physical education as a profession including: NASPE Physical Education Outcomes and NYS Learning Standards, professional development opportunities (literature, organizations, and conferences). Introduction to use of technology in physical education including: information retrieval, using the internet, communication (e-mail, word processing), data management, presentations, organizational tools, use of technology in teaching, and other sub-disciplinary applications.
53. *History and Philosophy of Physical Education** 3 s.h.
Spring
The historical and philosophical development of physical education from primitive man to the present with emphasis on major trends within the area and directions for the future. Consideration is given to the prominent figures who have shaped the field. (Formerly *Principles of Physical Education*; HPER; HSPE)
60. *First Aid and Safety** 3 s.h.
Fall, Spring, January
An American Red Cross certification course designed to develop first aid and CPR skills, knowledge, safety awareness and injury and illness prevention. Safety and prevention topics include: fire safety and arson prevention, heart disease prevention, preventing choking, child safety, injury prevention, poisoning prevention (including substance abuse/awareness), preventing heat and cold-related illness.
80. *Programming Fitness Activities* 1 s.h.
Spring
Designed to help the preservice physical education teacher gain knowledge and skills to effectively implement developmentally appropriate fitness programs in the schools. Includes consideration of assessment, content, curriculum planning, use of technology, and influence of gender, multicultural issues, and socioeconomic factors on fitness programming for PreK-12 students. (Formerly HPER; HSPE)
84. *Karate II* 2 s.h.
Fall, Spring
A more intense study of the traditional Japanese martial art. Emphasis is on building a strong self-confidence and physical constitution as well as giving the student insight into Oriental philosophy. Prerequisite: PESP 44. (Formerly HPER; HSPE)
99. *Understanding Your Fitness and Health* 3 s.h.
Fall, Spring
The process of selecting life-long activities and practices that would achieve a healthful living style. Through specific academic and seminar experiences, students understand the many dimensions of well-being inherent in the ability to reach their own individual health potential. Topics include stress management, weight control, basic nutrition, sports injuries, etc. (Formerly HPER; HSPE)
100. *Swim for Fitness* 2 s.h.
Fall, Spring
Improvement of overall physical conditioning through swimming. Introduction to the fundamental principles of physical conditioning and their application to swimming. Under the instructor's direction and utilizing both traditional and novel aquatic activities, individualized programs of conditioning will be set up to meet the student's personal needs. Restricted to intermediate and advanced swimmers. (Formerly HPER; HSPE)
101. *Aquarobics* 2 s.h.
Fall, Spring
Designed to improve physical fitness through water activities. Introduction of the principles of physical conditioning with the intent of improving cardiovascular fitness and flexibility using land activities applied to a water medium. No previous swimming experience necessary. (Formerly HPER; HSPE)
- 102A. *Organization and Administration of Athletic Training* 3 s.h.
Once a year
This course is designed to provide the student with the knowledge of administrative duties within the athletic training profession. Topics include: planning, coordinating and supervising all administrative components of an athletic training program including those pertaining to health care services (physical examinations and screening, first aid and emergency care, follow-up care and rehabilitation, etc.); financial management, training room management, personnel management, and public relations. (Formerly HPER; HSPE)
103. *Methods and Materials for Teaching at the Elementary Level** 3 s.h.
Fall, Spring
Designed to help preservice physical education teachers gain knowledge and skills to effectively teach developmentally appropriate physical education in the elementary school. Includes consideration of content, curriculum planning, safety, teaching styles, class management and organization, positive discipline, assessment, use of technology in teaching, literacy skills development, and influence of gender, multicultural issues, and socioeconomic factors on the teaching-learning process. (Formerly HPER; HSPE)
- 103A. *Elementary Physical Education Field Experience* 1 s.h.
Fall, January, Spring, Summer
This course is designed to give the preservice physical education teacher practical experience in teaching physical education in the elementary school. Prerequisite/corequisite: PESP 103. Pass/D+/D/Fail grade only.
104. *Methods and Materials for Teaching at the Secondary Level** 3 s.h.
Fall, Spring
Designed to help preservice physical education teachers gain knowledge and skills to effectively teach developmentally appropriate

*Recommended for majors.

ropriate physical education in the middle and secondary schools. Includes consideration of content, curriculum planning, safety, teaching styles, class management and organization, positive discipline, assessment, use of technology in teaching, literacy skills development, and influence of gender, multicultural issues, and socioeconomic factors on the teaching-learning process. (Formerly HPER; HSPE)

104A. *Middle School and Secondary Physical Education Field Experience*

1 s.h.

Fall, January, Spring, Summer

This course is designed to give the preservice physical education teacher practical experience in teaching physical education in the middle and/or secondary school. Prerequisite/corequisite: PESP 104. Pass/D+/D/Fail grade only.

106. *Kinesiology**

3 s.h.

Fall, Spring

The study of human movement and the analysis of motor skills through the application of kinesiological principles. Application of principles to skillful movement and teaching. Use of computer technology for skill analysis, computer-based instruction, and presentation of motor skill analysis project results. Prerequisite: BIO 103. (Formerly HPER; HSPE.)

107. *Kinesiology for the Dancer*

4 s.h.

Once a year

The study of the anatomical and mechanical principles of movement with specific applications to the dancer. Analysis of dance movements, prevention of injuries, conditioning and relaxation techniques are examined. (Formerly HPER; HSPE)

108. *Assessment in Physical Education*

3 s.h.

Fall, Spring

Designed to provide the preservice physical education teacher with knowledge and skills necessary to use a variety of assessment strategies and instruments to enhance and provide accountability for the teaching-learning process in physical education. Emphasis on selection and use of developmentally appropriate assessment strategies and instrument, including computer and other technology, congruent with physical activity learning goals. (Formerly HPER; HSPE; *Measurement and Evaluation in Physical Education.*)

109. *Fencing II*

2 s.h.

Fall, Spring

Instruction in advanced techniques of foil fencing with emphasis on competition. Prerequisite: PESP 9A or permission. (Formerly HPER; HSPE)

111B. *Aerobic Dance*

2 s.h.

Fall, Spring

Designed to develop cardiovascular fitness through the use of exercise to music. Muscular strength, endurance and flexibility are also developed. (Formerly HPER; HSPE)

112. *Archery—Advanced*

1 s.h.

Spring

Review of basic skills and techniques. Emphasis on competitive shooting. Practical hunting experience. Minimal skill standards must be met in the first week of class. (Formerly HPER; HSPE)

113. *Cardiopulmonary Resuscitation (CPR)*

1 s.h.

January, Summer

An American Red Cross certification course which develops competencies in the areas of artificial respiration (CPR), and aids to choking victims. (Formerly HPER; HSPE)

119. *Cooperative and Adventure Activities*

1 s.h.

Fall

This course is an introduction to the various Project Adventure activities: cooperative games, initiative problem solving activities,

trust activities and adventure ropes course activities. (Formerly HPER; HSPE)

120. *Sailing*

1 s.h.

Spring, Summer

Basic course which will enable the student to sail and handle a sailboat safely and proficiently. 15 hours of instruction conducted on the water. All instruction will be in fiberglass sloops. Lab fees additional.

Classes are held weekends during the spring semester; summer session classes weekdays only. (Formerly HPER; HSPE)

121. *Scuba Certification*

2 s.h.

Fall, Spring

A continuation of basic scuba (PESP 21). Students are given the opportunity to use the skills developed in basic scuba in actual diving. Course consists of a series of dives done in local Long Island area, in the Florida Keys and on an island in the Caribbean. Upon successful completion of the course, the student is registered and certified with the National Association of Underwater Instructors (NAUI). A wet suit, weight belt, weights and a buoyancy compensator must be supplied by each student (may be rented). Lab fees additional. Prerequisite: PESP 21 or permission of instructor. (Formerly HPER; HSPE)

122. *Sailing II*

2 s.h.

Spring

Knowledge in and development of skills for sailing. Classroom: teaching of theory, general information and marlinspike seamanship. Practical work consists of practices afloat and an opportunity to apply theory, develop judgment and perfect skills. (Formerly HPER; HSPE)

123. *Hatha Yoga II*

2 s.h.

Spring

Course designed to allow proficient Yoga student to develop physical potential and expand creativity through intense practice of specially designed postures and exercises. Prerequisite: PESP 35. (Formerly HPER; HSPE)

130A, 130B. *Student Teaching**

4½ s.h. each

Fall, Spring

Sixteen weeks of student teaching including four and one-half days per week in the school and participation in the after-school program. A seminar is conducted in conjunction with student teaching. In 130A, student teaching is done in the elementary school for eight weeks. In 130B, student teaching is done in the secondary school for eight weeks. Hofstra students must complete 130B in order to receive credit for 130A. (Formerly HPER; HSPE)

131. *Swimming II*

1 s.h.

Fall, Spring

Continuation of 31, working toward Swimmer's and Advanced Swimmer's American Red Cross Certificates. Prerequisite: PESP 31 or permission of instructor. (Formerly HPER; HSPE)

132. *Tai Chi Chuan II*

2 s.h.

Fall, Spring

For the students who have completed *Tai Chi I* and wish to deepen their knowledge of form, push hands and application. (Formerly HPER; HSPE)

133. *Tennis II*

1 s.h.

Fall, Spring

Practice in advanced techniques and skills to attain proficiency, rules and game strategy, care and selection of equipment. Students must meet minimal requirements during the first week of class in order to remain in the course. (Formerly HPER; HSPE)

*Recommended for majors.

134. *Tennis III* 2 s.h.
Fall, Spring
Instruction and practice in fundamental techniques and skills to attain proficiency (a full semester). Rules and match play in singles and doubles. (Formerly HPER; HSPE)
135. *Activity Review I** 1 s.h.
January, Summer
Supplementary knowledge of skills in field hockey, soccer, basketball, volleyball, with emphasis on the review of teaching techniques. Individual needs of students are of prime consideration. Prerequisite: team sports. (Formerly HPER; HSPE)
136. *Activity Review II** 1 s.h.
Continuation of 135 with emphasis in lacrosse and individual sports. Prerequisites: lacrosse and individual sports. (Formerly HPER; HSPE)
- 138A. *Methods of Coaching** 3 s.h.
Fall
Designed to equip the physical education major student with the concepts of sound coaching principles and training methods in competitive athletics. (Formerly HPER; HSPE)
- OFFICIATING*
- Technique and rules interpretation with the opportunity to secure an official's rating. Majors must complete two of the following courses. Prerequisite: basic skills in appropriate sport or permission of instructor. Open to all students. (Formerly HPER; HSPE)
139. *Officiating—Field Hockey* ½ s.h.
Fall
140. *Officiating—Basketball* ½ s.h.
Fall
142. *Officiating—Football* ½ s.h.
Fall
144. *Officiating—Volleyball* ½ s.h.
Spring
145. *Officiating—Softball* ½ s.h.
Spring
146. *Officiating—Lacrosse* ½ s.h.
Spring
147. *Officiating—Track and Field* ½ s.h.
Spring
141. *Synchronized Swimming* 2 s.h.
Spring
Fundamental skill instruction in individual water stunts and group composition. Problems of music selection for water composition. Prerequisite: swimmer's certificate or permission. (Formerly HPER; HSPE)
143. *Water Safety Instruction* 2 s.h.
Fall, Spring
Methods of teaching swimming and life saving techniques. Opportunity for American Red Cross Certificate. Prerequisite: Advanced Life Saving Certificate. (Formerly HPER; HSPE)
- 149A, 149B. *Practicum in Exercise/Wellness* 3 s.h. each
Fall, Spring
Supervised practicum in an approved setting. Student is placed in an appropriate community adult fitness/wellness center; a corporate wellness program; a fitness and health club; and/or cardiac rehabilitation center. Separate placements can be made for 149A, 149B or student can do all 6 semester hours in one placement under advisement. Prerequisite: PESP 198, 199. (Formerly HPER; HSPE)
- 150A, 150B. *Field Experience: Nonschool Setting* 4½ s.h. each
Fall, Spring
Supervised practicum in one or more nonschool setting agencies. Students are assigned on the basis of past experiences and career goals. Course does not qualify a candidate for teaching certification. Open to students in a nonteaching track with permission only. (Formerly HPER; HSPE)
- 151, 152. *Readings* 1-3 s.h. each
Fall, January, Spring, Summer
Individualized course designed to meet special interests of the student and to fill gaps in the student's understanding of physical education and recreation. Ordinarily open only to juniors and seniors who are capable of independent study. Prerequisites: written consent of chairperson of department and of instructor who will serve as tutor. (Formerly HPER; HSPE)
154. *Preschool and Elementary Physical Education Content* 3 s.h.
Fall, Spring
This course is designed to help the preservice physical education teacher acquire the knowledge about preschool and elementary physical education content and methods that will enable him/her to create innovative, developmentally appropriate physical education learning experiences and help children achieve the New York State Learning Standards and NASPE Outcomes for physically educated persons. (Formerly HPER; HSPE; *Elementary Physical Education Content*.)
- 154A. *Preschool Physical Education Field Experience* 1 s.h.
Fall, January, Spring, Summer
This course is designed to give the preservice physical education teacher practical experience in teaching physical education in preschool. Prerequisite/corequisite: PESP 154. Pass/D+/D/Fail grade only.
155. *Leisure Interpretation** 3 s.h.
Fall
The historical and philosophical development of the role of leisure in the quality of life. An attempt to identify the events, interests and needs of people in pursuit of leisure. (Formerly HPER; HSPE)
156. *Leisure Experiences: Seminar and Practicum** 3 s.h.
Spring
The identification, investigation and analysis of existing leisure experiences and programs through regularly scheduled seminars and a field experience. Placement is contracted with instructor approval, according to student's interests and needs. Prerequisite: PESP 155 or permission of instructor. (Formerly HPER; HSPE)
159. *Sport and Physical Education in Cross-Cultural Context* 3 s.h.
Once a year
The nature and significance of sport and physical education within selected nations. With consideration to the principal approaches utilized in cross-cultural study, the student focuses upon the identification and systematic analysis of persistent problems in American sport and physical education. Through comparing strategies adopted by nations which reflect contrasting social, political and economic value systems, the student endeavors to formulate plans for domestic change. May be applied toward liberal arts credit. (Formerly HPER; HSPE)

*Recommended for majors.

161. *Care and Prevention of Athletic Injuries I* 3 s.h.
Spring
For students anticipating work with athletic teams as a coach, supervisor, instructor or athletic trainer. Course work includes classroom lectures and practical applications of current athletic training methods. Prerequisites: PESP 60, BIO 103. (Formerly HPER; HSPE)
163. *Care and Prevention of Athletic Injuries II* 3 s.h.
Fall
Advanced instruction for students wishing to become nationally certified athletic trainers. This course deals with rehabilitation, conditioning, modality application and injury recognition. Prerequisites: PESP 161, BIO 105. (Formerly HPER; HSPE)
164. *Organization and Administration of Physical Education** 3 s.h.
Spring
Practices employed in actual physical education programs. Areas of inquiry include finance, facility utilization, intramural and extramural athletics, personnel and public relations. Prerequisites: PESP 130A, 130B or permission of instructor. (Formerly HPER; HSPE)
167. *Principles of Perceptual Motor Learning* 3 s.h.
Fall, Spring
Theories and principles of learning applied to motor performance. Analysis and evaluation of variables affecting motor learning and performance with applications to teaching includes laboratory experiences and use of computer and other technology to measure learning and demonstrate motor learning principles. (Formerly HPER; HSPE)
168. *Advanced Topics in Athletic Training* 3 s.h.
Once a year
This course is designed to provide the student with knowledge in advanced athletic training techniques. Topics include the use of emergency care equipment, management of the unconscious and/or paralyzed athlete, evaluations of athletic fitness, the use of ambulatory aids and pharmacological agents. Also discussed are current surgical techniques, caring for athletes with heat-related illness, athletes with eating disorders and the latest techniques/modalities being utilized in the health care field. (Formerly HPER; HSPE)
169. *Sport Safety and Use of Protective Equipment in Athletics* 3 s.h.
Once a year
Course is designed to provide students with the knowledge and skill in the use of protective strapping, padding and equipment in athletics. Included are the proper use and techniques of athletic tapes, plastics, felt and rubber, and commercial athletic equipment. Considerations of equipment standards and rules and regulations are also covered. (Formerly HPER; HSPE)
170. *Adapted Physical Education* 3 s.h.
Fall, Spring
Selection and adaptation of physical education activities to meet the individual needs of children with a variety of disabilities including: orthopedic disabilities, visual and hearing impairments, deaf, cognitive disabilities, and emotionally disturbed. Prerequisites: PESP 103 or 104.
- 170A. *Adapted Physical Education Field Experience* 1 s.h.
Fall, January, Spring, Summer
This course is designed to give the preservice physical education teacher practical experience in teaching physical education in an adapted setting. Prerequisite/corequisite: PESP 170. Pass/D+/D/Fail grade only.
- 180 through 189, A-Z. *Workshops* 1-3 s.h. each
Fall, Spring
Designed to meet the needs of specific groups of students or educators from individual schools or districts.
As individual subjects are selected, each is assigned a letter (A-Z) and added to the course number. Any course may be taken a number of times so long as there is a different letter designation each time it is taken. (Formerly HPER; HSPE)
- 190A. *Therapeutic Exercise in Athletic Training* 3 s.h.
Spring
Develops knowledges and skills in designing and implementing exercise programs for the reconditioning and rehabilitation of athletic injuries. The criteria for selection and use of various equipment and programs for injuries are discussed. Prerequisites: PESP 161, 163. (Formerly HPER; HSPE)
191. *Athletic Training Practicum I* 3 s.h.
Spring
Actual practical experience in the training room, working with either a number of sports or assigned to one specific sport. Prerequisites: PESP 163, BIO 106. (Formerly HPER; HSPE)
192. *Therapeutic Modalities in Athletic Training* 3 s.h.
Once a year
Designed to teach the fundamental principles of various therapeutic modalities including heat, cold, sound, electricity and light. Investigation of the body's physiological response to such modalities as well as criteria for proper selection in treating athletic injuries. Prerequisites: PESP 161, 163. (Formerly HPER; HSPE)
193. *Athletic Training Practicum II* 3 s.h.
Spring
Advanced practical experience in athletic training; the student is responsible for the actual maintenance and upkeep of injury records and case histories. Responsibility for treatment and referral of injuries. To be supervised and critiqued by the head athletic trainer. Prerequisites: PESP 106, 191. (Formerly HPER; HSPE)
194. *Internship: Health Fitness Evaluation* 3 s.h.
Spring
Supervised internship in evaluating and assessing fitness components of students and athletes (50 hours). Prerequisites: BIO 106 and two fitness activity courses. Pass/D+/D/Fail grade only. (Formerly HPER; HSPE)
195. *Observations in a Fitness Setting* 3 s.h.
Fall
Observation of an ongoing fitness program in an approved setting. Students participate in assessing fitness levels and/or in leading exercise programs. Observation can be in one or more of the following settings: 1) fitness or sports club that does fitness evaluation and training; 2) corporate fitness program; 3) YMCA fitness evaluation program; 4) adult fitness program. (40 hours interning; 10 hours seminar.) Prerequisites: BIO 106, PESP 25, 111B. Pass/D+/D/Fail grade only. (Formerly *Internship in a Fitness Setting*; HPER; HSPE)
196. *Applied Exercise Physiology: Health and Fitness* 3 s.h.
Once a year
Explores the physiological basis and applied aspects of exercise to: 1) maintain and improve cardiovascular and physical fitness; 2) control weight; 3) reduce coronary risk factors; 4) prevent diseases and musculoskeletal injuries; 5) counteract the effects of aging. Prerequisite: BIO 106. (Formerly HPER; HSPE)
197. *Applied Exercise Physiology: Evaluation Techniques* 3 s.h.
Once a year
Principles and techniques of evaluating health and fitness, and prescribing exercise for asymptomatic and symptomatic people.

Emphases placed on exercise by means of heart rate, oxygen uptake, lactic acid, caloric expenditure and rating of perceived exertion. Students administer and serve as subjects for the tests. Prerequisites: PESP 196, BIO 106. (Formerly HPER; HSPE)

198. *Implementing Fitness Programs* 3 s.h.
Once a year

A course on how to structure adult fitness classes. Active participation in stretching and strengthening techniques. Contraindications and precautions for dealing with people who have low back pain, high blood pressure and limited range of motion. Prerequisites: BIO 106; PESP 25, 35, 38B. (Formerly HPER; HSPE)

199. *Practicum: Student Fitness Trainer* 3 s.h.
Fall, Spring, Summer

Students are assigned two clients for whom they are responsible for developing and implementing a personalized fitness program. Students work individually with faculty advisers to develop appropriate programs for the clients. Students meet with each client for a total of 15 to 18 hours. In addition, interactive group discussions are scheduled bi-weekly during the semester. Exercise Specialist majors. Prerequisite: PESP 194; SGG 041 (New College). (Formerly HPER; HSPE)

201. *General Safety Education* 3 s.h.
Fall, Spring

Designed to meet State Education Department requirements for teachers of driver and traffic safety education. Topics include safety for school, home, recreation, pedestrians, school bus, poison, fire, bicycle, industrial and occupational. The General Safety Education Policies: understanding the teacher's role in educating students about safety as prescribed by state law. (Formerly HPER; HSPE)

202A, 202B. *Teaching of Driver and Traffic Safety Education I & II* 3 s.h. each

Fall, Spring
Analysis of the traffic accident problem; knowledge, attitudes and skill factors essential for safe and efficient operations of motor vehicles, survey of materials, methods and teaching techniques. Includes classroom and 15 hours of laboratory (hours to be arranged at first session) teaching techniques.

For certified and future teachers who have completed the minimum course requirements essential for teaching in any subject area on the secondary level. (Formerly HPER; HSPE)

203. *Trends and Problems in Traffic Safety Education* 3 s.h.
Fall, Spring

The administration, supervision and teaching including research, engineering, transportation, traffic law and enforcement, traffic safety management, analysis of current teaching methods, public relations and support. Prerequisites: PESP 202A, 202B, completed within the past three years. (Formerly HPER; HSPE)

204. *Impact of Physical Activity/Fitness on the Aging Process* 3 s.h.
Once a year

This course explores the physiological and anatomical changes which occur with aging and how engaging in various physical activities interacts with the aging process. Recommendations of various governmental and professional organizations for increasing physical activity are discussed in terms of increasing functional capacity and decreasing risk for disease in the aging population.

205. *The Design and Application of Exercise and Fitness Activities for the Aging Adult* 3 s.h.

Once a year
A course designed to develop activity programs for increased functional levels and fitness abilities of the aging adult. This course takes into consideration the psychological, neurological,

nutritional, motivational, and legal aspects of working with this population. Prerequisite: PESP 204 or permission of instructor.

210 through 252 will carry the prefix MSPE

210. *Pedagogical Trends and Issues in Physical Education and Sport* 3 s.h.

Once a year
In-depth investigation and discussion of current ideas, problems and issues relating to teaching physical education and sport. Students and instructor cooperatively identify a number of specific areas of investigation which become the focus of the course. (Formerly HPER)

211. *Contemporary Sociocultural Trends and Issues in Physical Education and Sport* 3 s.h.

Once a year
In-depth examination of fundamental, recurring socio-cultural themes in contemporary American physical education and sport. Students and instructor cooperatively identify a number of significant issues for future critical analysis. (Formerly HPER)

212. *Scientific Trends and Issues in Physical Education and Sport* 3 s.h.

Once a year
Presentation of information and discussion of issues that are current in the scientific field of exercise and sport. Emphasis on issues that relate to the teaching of physical education and to the coaching of sport teams. (Formerly HPER)

213. *Innovative Instructional Strategies for Teaching Physical Education* 3 s.h.

Once a year
Designed to introduce the student to new ideas for improving physical education instruction. Focus is on the development, implementation and evaluation of innovative instructional strategies. Introduces students to the use of effective change strategies to facilitate the implementation of innovative ideas. (Formerly HPER)

214. *Contemporary Curriculum Perspectives in Physical Education* 3 s.h.

Once a year
Focus is on current issues and problems within the field of curriculum. Course examines conceptions of curriculum in education and its influence on the discipline of physical education. Designed to introduce the student to underlying historical, philosophical, social and intellectual foundations of curriculum development and evaluation. (Formerly HPER)

215. *Advanced Perceptual Motor Learning* 3 s.h.
Periodically

Investigation into various theories of motor learning and analysis of conditions related to skilled performance of children and adults. Research in areas relating to motor learning is surveyed and discussed. (Formerly HPER)

216. *Adaptive Physical Education* 3 s.h.
Periodically

In-depth examination of the basic philosophies of adaptive physical education. Course covers various teaching techniques, curriculum development for mainstreaming and handicapped situations, evaluation techniques and practical experience with the handicapped. (Formerly HPER)

217. *Research Implications on Curricula Trends in Physical Fitness* 3 s.h.
Once a year
Discussion of the various components of physical fitness: cardiovascular endurance, muscular strength/endurance, flexibility and body composition. Exploration of the research literature dealing with the relationship of regular physical activity and proper nutrition to weight control and reduced risk of chronic diseases. Examination of various existing curricula which incorporates cognitive and exercise components of physical fitness. (Formerly *Health Related Fitness, Weight Control and Nutrition*; HPER)
218. *Sport and the Law* 3 s.h.
Periodically
Designed to examine legal issues related to the operation of public and private schools, with particular emphasis on those issues specifically related to health, physical education and athletics. Constitutional, statutory, case law and administrative applications are analyzed. (Formerly HPER)
219. *Comparative Studies in Physical Education and Sport* 3 s.h.
Periodically
In-depth analysis of the relationship of sport to contrasting national and cultural value systems. Formulating his/her own methodological framework, the student critically examines problems in American physical education and sport in light of other ideological systems. (Formerly HPER)
220. *Motor Development* 3 s.h.
Periodically
Study of the motor and perceptual motor development of children. Special emphasis on the relationship of motor and perceptual-motor development to later skill acquisition of effective sports and movement skills. (Formerly HPER)
221. *Field Experience* 3 s.h.
Fall, Spring
Cooperatively guided experience in the elementary, junior and high school or other approved agencies through which students implement specific ideas and proposals developed in other courses. Students submit a plan and, upon acceptance, meet for periodic seminars at which time problems encountered in the field are discussed. (Formerly HPER)
223. *Implementing Health Related Fitness and Nutrition into School Curricula* 3 s.h.
Periodically
Laboratory experiences in assessing fitness levels of students, prescribing exercise and evaluating diets. Participation in, and critical analysis of, existing grade school fitness programs. Development of a health-related fitness module. (Formerly HPER)
224. *Implementing Motor Learning Theories* 3 s.h.
Periodically
Laboratory experiences in observing, assessing and designing motor learning situations. Emphasis placed on implementing motor learning theories in teaching motor skills to elementary and secondary school students. Prerequisite: MSPE 215 or permission of instructor. (Formerly HPER)
225. *Analysis of Movement* 3 s.h.
Periodically
Investigation of the biomechanical basis of motor performance. Includes a descriptive analysis of sport skills and fundamental movement patterns and an examination of techniques for collecting biomechanical data. Prerequisite: kinesiology or permission of instructor. (Formerly HPER)
226. *Character Development and Sport* 3 s.h.
Once a year
This course examines theories of moral development and the moral reasoning process as it relates to coaching and teaching behavior. Students will gain insight into their own values and underlying motives and intentions for their behavior as coaches. Students will critically examine moral issues and dilemmas in sport and develop an understanding of how coaching behavior can influence student-athletes' character development. Students are also provided with opportunities to develop communication skills and strategies for dealing effectively with problems and issues that may develop during a sport season.
227. *Workshop: Movement and New Games for Elementary Physical Education Teachers* 1 s.h.
Periodically
The purpose of this course is to improve knowledge of games content, curriculum and methodology for elementary physical education. (Formerly HPER)
228. *Workshop: Dance Education, Advanced Theory and Practice* 1 s.h.
Periodically
This course is to improve knowledge of dance content for teaching in the public schools. It focuses attention on curricular knowledge and pedagogical content knowledge, that is, the ways children learn, develop, understand, and perform dance content and the ways of eliciting knowledge and skill. (Formerly HPER)
229. *Educational Gymnastics* 1 s.h.
Periodically
This course is to improve knowledge of gymnastics content for teaching. It focuses on curriculum knowledge, that is, the way children learn, develop, and perform gymnastics content and ways of eliciting skill. (Formerly HPER)
- 230A-230B. *Student Teaching in Physical Education: Elementary and Secondary* 3 s.h. each
230A: Elementary; 230B: Secondary
Fall, Spring
Student teaching is a full semester experience consisting of eight weeks at the elementary level and eight weeks at the secondary level for students in the M.S. in Health or Physical Education. The student is in the school the equivalent of four and one-half days each week. The experience may include participation in the after-school program. A seminar is conducted in conjunction with student teaching. Hofstra students must complete MSPE 230B in order to receive credit for MSPE 230A. Course is open to graduate students only. Does not count toward degree requirements.
235. *Movement and New Games for Elementary Physical Education Teachers* 3 s.h.
Every other year
Designed to expand the individual's understanding of movement and games content. Lectures and learning experiences reinforce the definition, historical origin and key elements of both subject areas. Emphasis placed on how the two subject matters contribute to physical education; how theory is put into practice; and how teachers can plan for successful delivery and presentation. (Formerly HPER)
236. *Analysis of Team and Individual Sports* 3 s.h.
Once a year
The course is designed to enhance the individual's ability to recognize and analyze advanced movement, and provide corrective feedback on sport skills used during sports.
237. A-Z. *Special Topics in Physical Education and Sport* 1-3 s.h.
Periodically
Designed to meet the needs of specific groups of students of educators interested in special topics not covered by other course offerings.
As individual subjects are selected, each is assigned a letter (A-Z) and added to the course number. Any course may be taken

a number of times so long as there is a different letter designation each time it is taken.

251, 252. *Special Readings Seminar* 1-3 s.h. each
Fall, Spring, Summer

Investigations and reports on physical education topics adapted to the student's program. Prerequisites: written consent of the chairperson and instructor. (Formerly HPER)

300, 301, 302, will carry the prefix MSPE

300. *Departmental Seminar* 3 s.h.
Fall, Spring, Summer

Serves an integrative and culminating function with respect to the student's studies and experiences in the School of Education. Emphasis is on themes which cut across traditional course and departmental lines; selected student papers and research may be compiled in year books of health education. Pass/Fail grade only. Prerequisites: matriculation in the department and completion of all required course work in professional education. (Formerly HPER)

NOTE: successful completion of MSPE 300 may be offered in place of either the departmental comprehensive examination or the *Master's Essay* in MSPE. This course may not be used to satisfy any part of the basic 33 s.h. requirement for a Master of Science degree in Education.

301, 302. *Master's Essay* 3 s.h. each
Fall, Spring

Supervision and instruction leading to the completion of the essay. Binding fee payable upon registration in 302. Admission by permission of department. (Formerly HPER)

Physics and Astronomy

Physics courses are listed below.
Astronomy courses are listed alphabetically.

Professor Hastings, *Chairperson*

Associate Professors Edwards, Garuthara, Levine; Assistant Professors Bochner, Lawrence, Starykh.

Physics (PHYS)

Administered by the Department of Physics and Astronomy.
Professor Hastings, *Chairperson*

B.A. SPECIALIZATION IN PHYSICS: PHYS 11A & 12A and 11B, 12B; 104, 118, 135, 136, 137, 140, 159; three additional credits of advanced physics laboratory; MATH 19, 20, 29 and 131; CHEM 3A & 4A, 3B & 4B. It is recommended that the language requirement be fulfilled in German, French or Russian.

See complete B.A. requirements, page 82.

B.S. SPECIALIZATION IN APPLIED PHYSICS: this program meets the demands of industry for people with broad theoretical knowledge in physics, related sciences and engineering, combined with technical subject matter. The curriculum includes required courses in English as well as electives in humanities and social science to give the student a general background to supplement training as a specialist. Grades of C- or better are required in all physics courses and technical electives.

Candidates for graduation must fulfill the following requirements:

1. The successful completion of at least 124 semester hours and a cumulative grade-point average of 2.0 in work completed at Hofstra. Military Science 1C, 1E, 2C, 2E and associated leadership laboratories may not be counted toward this total semester hour requirement.

2. At least 65 semester hours must be in liberal arts courses outside of the Department of Physics.
3. There are two requirements that must ordinarily be completed in residence at Hofstra: 15 semester hours in the major field of specialization and the last 30 semester hours. The 15 semester hours need not be included within the last 30 hours.
4. And the following requirements:
ENGL 1-2*; six hours of humanities electives; six hours in social science electives;
MATH 19, 20, 29, 131; CHEM 3A & 4A, 3B & 4B; PHYS 11A & 12A, 11B, 12B, 104, 118, 135, 136, 137, 140, 141, 142, 155, 156, 159, 160, 161, 163, 164;
ENGG 1 (evening only); ENGG 9A, 9B, 10 (day only); ENGG 30, 33, 34, 192.

TEACHING OF HIGH SCHOOL PHYSICS AND GENERAL SCIENCE, see page 377.

A **MINOR IN PHYSICS** consists of the successful completion of 18 semester hours of any courses which are applicable to the major, with at least six hours in residence. Normally, the student seeking a minor in physics would take the general physics sequence: PHYS 11A & 12A, 11B, 12B; three intermediate level courses, or two intermediate level courses and an intermediate laboratory.

CERTIFICATE PROGRAM IN NATURAL SCIENCES Post-Baccalaureate Premedical Studies

This program provides the opportunity for students who hold a bachelor's degree and who have not previously studied the sciences to prepare for entrance into a medical profession of their choice. Students may also retake science courses to demonstrate an improved mastery of those subjects. Courses offered in biology, chemistry, mathematics, and physics; see page 340.

SIGMA PI SIGMA: a national physics honor society, see page 72.

COURSES

In addition to semester notations next to each course, a selection of courses is offered during January and Summer sessions. Consult the *January* and *Summer Sessions* bulletins for these schedules.

1A & 2A. *Elementary Physic's #* 3 s.h. each
Fall, Spring

Fundamental laws and principles of mechanics, heat, sound, light, electricity and magnetism. Students must take 1B & 2B concurrently unless credit has already been received for the equivalent. Recommended for all premedical and pre dental students not majoring in chemistry. Prerequisites: 1 unit high school algebra, 1 unit plane geometry. (3 hours lecture, 1 hour recitation.) Credit given for these courses or PHYS 11A & 12A, but not for both.

1B & 2B. *Elementary Physics Laboratory #* 1 s.h. each
Fall, Spring

Laboratory exercises to accompany 1A & 2A. Must be taken concurrently. Credit given for these courses or for PHYS 11B and 12B, but not for both.

4. *Conceptual Physics #* 3 s.h.
Fall, Spring

The seven fundamental laws of classical physics—Newton's three laws of motion, and the four laws of electricity and magnetism are examined in the context of the history of ideas and development of modern science and technology. The objective is to illustrate the universality of these laws in explaining all nonrelativistic, macroscopic phenomena and to provide perspective on the traditional search by physicists for universal laws. (4 hours lecture/laboratory weekly.)

*See University degree requirements, page 66.

#Core course

5. *Light #* 3 s.h.
Spring
A study of the principles of reflection, refraction, interference, diffraction, polarization, emission and amplification of light. Topics include the kaleidoscope, the rainbow, diamonds, human vision, the science of color, black light, the color of sunsets, lasers and holography. For nonscience majors. (2 hours lecture, 2 hours laboratory.) Prerequisites: 1 unit high school algebra; 1 unit plane geometry.
6. *Acoustics, Music and Speech #* 3 s.h.
Fall, Spring
Fundamental physics of sound; production, propagation and detection. Emphasis is placed on musical instruments and human voice and hearing. Sound reproduction, architectural acoustics and noise considerations are studied. (2 hours lecture, 2 hours laboratory.) Prerequisites: high school algebra and geometry. Credit given for this course or PHYS 7 or 8.
- 7, 8. *Acoustics of Music and Speech* 3 s.h. each
Periodically
Fundamentals of sound, with emphasis on sound production by musical instruments and voice; reproduction, synthesis, transmission in air (including architectural acoustics), noise and hearing. (2 hours lecture, 3 hours laboratory.) Prerequisites: 1 unit high school algebra; 1 unit plane geometry. (Formerly 7-8.)
- 11A & 12A. *General Physics #* 4 s.h. each
Fall, Spring
Fundamental laws and principles of mechanics, heat, sound, light, electricity and magnetism. Students must take 11B, 12B concurrently unless credit has already been received for the equivalent. 11A & 12A apply towards the natural science core requirement only upon successful completion of the corresponding laboratory course(s) 11B and/or 12B. Prerequisite or corequisites: MATH 19, 20. Engineering students are exempt from taking 12B, with approval of adviser. Credit given for these courses or PHYS 1A & 2A, but not for both.
- 11B. *General Physics Laboratory #* 1 s.h.
Fall, Spring
Laboratory exercises to accompany 11A. Must be taken concurrently. Credit given for this course or PHYS 1B, but not for both.
- 11C. *Exercises and Problems* 2 s.h.
Fall, Spring
Supervised problem solving to be taken in conjunction with PHYS 11A on recommendation of adviser. No degree credit.
- 12B. *General Physics Laboratory #* 1 s.h.
Fall, Spring
Laboratory exercises to accompany 12A. Must be taken concurrently. Credit given for this course or PHYS 2B, but not for both.
- 17, 18. *Elements of Physics for Engineers* 4 s.h. each
See course description, page 428.
100. *Honors Program* 3 s.h.
Fall, Spring
Research into a physical problem, either experimental or theoretical. Open only to senior physics majors who are eligible for and desire to graduate with departmental honors. Interested students must secure, before registration, written permission of the chairman and instructor who will supervise the investigation.
102. *Medical and Biological Physics* 3 s.h.
Fall
The application of physics to biology, medicine and dentistry. Topics include vision and hearing, lasers, ultrasound, X-rays, nuclear medicine, diffusion and transport processes. Prerequisite: PHYS 2A or 12A.
104. *Electricity and Magnetism* 3 s.h.
Every other year
Fundamentals of electromagnetic theory. Vector analysis, Maxwell's equations, electrostatics, magnetostatics, electromagnetic waves. Prerequisite: PHYS 12A. Corequisite: MATH 131 or permission of department.
118. *Modern Physics* 3 s.h.
Fall
Elements of relativity and atomic spectra, foundations of quantum theory, selected topics in wave mechanics, nuclear physics and solid state physics. Prerequisite: PHYS 12A or 18.
- 119, 120. *Nuclear Engineering Laboratory* 1 s.h. each
Periodically
Geiger, scintillation, gas flow and semiconductor detector counting; alpha, beta and gamma spectra; neutron cross sections and activation analysis. (3 hours laboratory.) Prerequisite or corequisite: PHYS 118.
- 125, 126. *Introduction to Stellar and Galactic Astrophysics* 3 s.h. each
Periodically
The technical bases of star, galaxy and extra galactic phenomena including birth and death of the various formations, stellar interiors and astrophysics, the physical principles underlying cosmic phenomena. Prerequisites: PHYS 11A & 12A, 11B, 12B and 118 or permission of chairperson.
127. *Lasers* 3 s.h.
Periodically
An introduction to the theory, design and applications of lasers: the technical nature of gas and solid state lasers including semi-conductor lasers, continuous and pulsed lasers, the physical bases of laser operations and applications. Prerequisites: PHYS 104, 118 and 135 or equivalent.
135. *Optics* 3 s.h.
Every other year
Propagation of light as an electromagnetic wave, its vectorial nature, relativistic optics, coherence and interference. Fresnel and Fraunhofer diffraction, the optics of solids, lasers and holography. Prerequisite: PHYS 104.
136. *Thermodynamics* 3 s.h.
Periodically
Laws of thermodynamics. Elements of kinetic theory and statistical mechanics. Prerequisite: PHYS 12A. Corequisites: CHEM 3A & 4A, 3B & 4B, MATH 29.
137. *Optics Laboratory* 1 s.h.
Periodically
Laboratory to accompany 135.
140. *Mechanics* 3 s.h.
Every other Fall
Motion of a particle in one, two and three dimensions, motion of a system of particles, rigid bodies, gravitation, moving coordinate systems, wave propagation along a string, Lagrange's equations. Hamilton's equations. Prerequisites: PHYS 11A, 11B and differential equations.
- 141, 142. *Introduction to Theoretical Physics* 3 s.h. each
Every other year
Analytical treatment of mechanics, electricity and magnetism; Lagrange's and Hamilton's equations; Maxwell's equations applied to electricity and optics, quantum mechanics. Prerequisites: MATH 131, PHYS 118. Prerequisite or corequisite: PHYS 104, 140.
- 155, 156. *Modern Physics Laboratory I* 1 s.h. each
Once a year
Measurement of the atomic constants; atomic spectra; X-ray diffraction; mass spectroscopy; electron paramagnetic resonance;

Rutherford scattering; vacuum deposition and thin films; nuclear physics including counting techniques, alpha, beta and gamma spectra, neutron cross sections and activation analysis. (3 hours laboratory.) Prerequisite or corequisite: PHYS 118.

157, 158. *Modern Physics Laboratory II* 1 s.h. each
Once a year
Additional laboratory work supplementary to 155, 156. Prerequisite or corequisite: PHYS 118.

159. *Introduction to Quantum Mechanics* 3 s.h.
Every other year
Fundamentals of quantum mechanics with applications to specific problems, approximation methods. Prerequisite: PHYS 118.

160. *Solid State Physics* 3 s.h.
Every other year
Crystal structure, diffraction of waves by crystals, specific heat of solids, dielectric properties, theory of metals, band theory of solids, semiconductors, dislocations. Prerequisite: PHYS 118.

161. *Nuclear Physics* 3 s.h.
Every other year
Nuclear properties, nuclear cross sections and scattering theory, nuclear spectra, nuclear models, elementary particles. Prerequisite: PHYS 118.

163, 164. *Research Projects in Physics* 1 s.h. each
Fall, Spring
Guided student research involving project proposal, design and construction of apparatus, measurement procedure and presentation of formal scientific report.

170 & 171. *Undergraduate Research*
Once a year
B.S. candidates and others who qualify will undertake a research project under individual faculty guidance. (1 hour conference, 6 hours laboratory.) Students may elect to continue undergraduate research for more than two terms. Permission of department chairperson is required.

Political Science (PSC)

Professor Landis, *Chairperson*

Associate Professor Feldman, Himelfarb, Perotti; Assistant Professors Dudek, Green; Instructor Welsh.

B.A. SPECIALIZATION IN POLITICAL SCIENCE: a minimum of 27 semester hours in political science including PSC 1, 132, 135 and 142 or 143. In addition, 18 semester hours distributed among at least four of the following departments: anthropology, economics (ECO 1 required), geography, history, philosophy, psychology and sociology.

All majors are required to pass a comprehensive examination administered by the department in the senior year.

For both majors and non-majors, it is *strongly* recommended that, before taking advanced courses in American Government and Politics from the list below, PSC 1 be taken first. Only students who have a clear understanding of the workings of the American system of government should consider taking advanced courses in American Government and Politics without first taking the introductory course.

The preferred progression for specialization in political science is as follows:

- I. *Introductory:* PSC 1
- II. *Intermediate:* PSC 132, 135, and 142 or 143.
- III. *Advanced:* minimum of 15 semester hours selected from one or more of the following four areas:
 - A. *American Government and Politics:* 105, 111, 114, 115, 120, 121, 122, 126, 127, 128, 129, 134, 147, 195 and Seminar 151.

- B. *Comparative Politics:* 108, 110, 130, 133, 139, 144, 146 and Seminar 154.
- C. *International Relations and Politics:* 133, 134, 137 and Seminar 152.
- D. *Political Theory:* 141, 142, 143, 148 and Seminar 153.

Reading courses PSC 161, 162 can relate to any of the above fields depending upon the focus desired.

SPECIAL ACADEMIC PROJECTS CONCENTRATING IN POLITICAL SCIENCE, for enrollment, see page 134.

See complete B.A. requirements, page 82.

A MINOR IN POLITICAL SCIENCE consists of the successful completion of 18 semester hours of any combination of courses in the department, at least six hours in residence, with a grade of C- or higher in each course.

MINOR IN INTERNATIONAL AFFAIRS, see page 273.

WASHINGTON SEMESTER PROGRAM: the department supervises a select number of students with at least a junior standing and nine hours of credit in political science in an intern program for a full semester in Washington. Sixteen hours of credit are normally granted for satisfactory completion of the internship.

LOCAL INTERNSHIPS: on a limited basis students may work in state or local government offices under the joint supervision of the Department of Political Science and the government unit on projects leading to academic credit.

PI SIGMA ALPHA: a national political science honor society, see page 71.

TEACHING OF HIGH SCHOOL SOCIAL STUDIES, see page 378.

GRADUATE STUDY: although the department does not offer a graduate degree, PSC 201, *American Political Process* and 251, *Readings in Political Science*, are particularly appropriate for graduate credit toward a master's program.

COURSES

In addition to semester notations next to each course, a selection of courses is offered during January and Summer sessions. Consult the *January* and *Summer Sessions* bulletins for these schedules.

NOTE: In each regular semester one of the courses in either the intermediate or the advanced category will be offered for four credit hours, such course to be designated by attaching to its regular number the suffix A.

1. *American Politics* # 3 s.h.²
Fall, Spring
Analysis of ideas, institutions and processes of the system with frequent focus on current controversies. Credit given for this course or New College SPSG 2, not both.

100. *Honors Essay* 3 s.h.
Fall, Spring
The research for and the writing of a substantial essay in the field of political science. Open only to senior political science majors who are eligible for and desire to graduate with departmental honors. Interested students must secure, before registration, written permission of the instructor who will supervise the essay.

105. *Contemporary Issues in American Politics* 3 s.h.
Once a year
The content, development, conflict over and consequences of major public policies; analysis of the policies and their relationship to the underlying social problems and forces.

#Core course

108. *Politics of the Middle East* 3 s.h.
Once a year
Examination and study of the major political problems of the area; nationalisms and their unifying and dividing elements; international politics of the region; intranational patterns and conflicts; geographic, economic and strategic determinates; regional unity; and the Arab-Israeli conflict in both regional and international perspectives.
110. *African Politics #* 3 s.h.
Fall, Spring
Investigation of the political culture of Africa which combines indigenous heritage and culture with European colonial influences; and a comparative analysis of political development in African states including struggles for democratization, nation-building and socioeconomic development.
111. *Politics of Race in the United States* 3 s.h.
Every other year
An analysis in depth of the manner in which racial considerations have shaped the American political culture and the extent to which these considerations have affected the formation of public policy on all levels of government. The main emphasis, however, shall be on the national level.
113. *Technology and Defense Policy* 3 s.h.
Periodically
Emphasis on weapons technology (ABM's long range missiles, nuclear weapons) and how evolving technology influences and is in turn, influenced by changing policies in military security and arms control. Analysis of major U.S. policy decisions concerning strategies, arms control and military systems. The technological, environmental, political, strategic and budgetary factors affecting these decisions are examined. Same as TPP 113.
114. *Political Parties and the Voter* 3 s.h.
Fall
The role and functions of party organizations and interest groups, the political behavior of the electorate.
115. *State and Metropolitan Politics and Governments* 3 s.h.
Periodically
The politics, governments and policies of state and local governments, with emphasis on metropolitan areas including especially greater New York and Long Island.
120. *Law and Politics: Judicial Process* 3 s.h.
Fall
Structure and functions of the judicial-legal process; political influences upon and policy impacts of judicial decision making; judicial recruitment, roles and motivation; the legal profession as judicial context.
121. *The American Presidency* 3 s.h.
Fall
The Presidency in the context of domestic and international politics; powers and duties of the office; the multiple roles of the executive, emergent problems, changing conditions and conceptions of the office, and proposals for change in the selection process and in the organization and operation of the office.
122. *Congress: National Legislative Process* 3 s.h.
Spring
Decision making in the legislative arena; functions and their changing character, constitutional and political sources of limitations of power and authority, the politics of party and constituency, internal processes and behavior.
126. *Politics of Public Administration* 3 s.h.
Spring
An introduction to the concepts involved in the execution of public policy: functions of bureaucracy, theories of organization, decision making and budgeting.
127. *Constitutional Law* 3 s.h.
Fall
Development and significance of American constitutional doctrines: judicial review, separation of powers, powers of President, Congress and Federalism. Credit given for this course or New College SPSG 4, not both.
128. *The Constitution: Political Freedom and Civil Liberties* 3 s.h.
Spring
Problems of racial equality, political and religious freedoms, limits on state and federal governments; the judicial function in defining the rights and duties of citizens. Prerequisite: PSC 127 or permission of instructor.
129. *The Administration of Justice in America* 3 s.h.
Periodically
Examination of criminal justice and of the meaning of due process of law, political and judicial responses to these issues.
130. *Latin American and Caribbean Politics* 3 s.h.
Every other year
Comparative study of selected aspects of Latin-American political behavior, with particular attention devoted to social stratification, political elites, power structures and political change. (Formerly *Latin-American Politics*.)
132. *Comparative European Governments* 3 s.h.
Fall, Spring
Comparative study of the social bases, institutions, methods and problems of the major governments.
133. *Politics of the European Union* 3 s.h.
Every other year
Study of the political forces affecting attempts at integration of the European Union. Includes economic relations, international relations and institutions. Comparison with other recent efforts at regional unification. (Formerly *Politics of the Common Market*.)
134. *American Foreign Policy* 3 s.h.
Once a year
Processes of foreign policy formulation and execution; the objectives, methods and consequences of major trends in American foreign policy; analysis and application of theoretical constructs.
135. *International Politics* 3 s.h.
Fall, Spring
Examination and analysis of basic factors of national power, the formation and execution of national policy and the interaction of nations in conflict and cooperation.
137. *World Organization and International Law* 3 s.h.
Every other year
Patterns of world organization, problems of development and application of international law.
139. *Russia: Post-Soviet Politics* 3 s.h.
Periodically
Transitional politics in Russia and the former Soviet Republics, with consideration of theory and practices of communism in the Soviet era. (Formerly *Communism and Soviet Politics*.)
141. *American Political Thought* 3 s.h.
Periodically
Examination of major movements and theorists from colonial-puritanical beginnings to democratic socialism and the "New Left", from Thomas Paine and Thomas Jefferson to Herbert Marcuse and Michael Harrington. Credit given for this course or New College SPSG 1, not both.
142. *Western Political Theory: Plato to Hobbes* 3 s.h.
Fall
The great ideas, ideals and theories of man; authority, freedom and policy as seen in the works of the great theorists.

143. *Ideas in Conflict: Modern Democratic and Totalitarian Political Thought* 3 s.h.
Spring
The development of liberal democracy, of radicalism, socialism, anarchism and totalitarianism in the modern period.

144. *Asian Politics and Government #* 3 s.h.
Spring
A comparative study of government and the political process in selected Asian countries, the politics of transition to modern nation-states.

146. *China: Government and Politics* 3 s.h.
Every other year
The rise of communism in 20th-century China, governmental structure and policies, the roles of the Communist Party and ideology in the political process of a modernizing nation

147. *Public Opinion and Political Communications* 3 s.h.
Spring
The relation between personal traits, group needs and norms, social and economic forces, political persuasion and governmental decisions, studies in electoral and other political behavior, communication and opinion polling.

148. *Contemporary Political Analysis* 3 s.h.
Periodically
Examination of the various contemporary approaches to the study of politics; scope, methods and objectives of contemporary political analysis.

SEMINARS: PSC 151, 152, 153 and 154 are advanced courses in the analysis of major political problems involving reading, discussion and writing; includes two-hour weekly seminar sessions and individual conferences with instructor. Permission of department is required.

151. *Seminar: American Politics* 3 s.h.
Periodically
With the permission of the chairperson, this course may be repeated when the course content varies sufficiently from previous semesters.

152. *Seminar: International Politics* 3 s.h.
Periodically
With the permission of the chairperson, this course may be repeated when the course content varies sufficiently from previous semesters.

153. *Seminar: Political Theory* 3 s.h.
Periodically
With the permission of the chairperson, this course may be repeated when the course content varies sufficiently from previous semesters.

154. *Seminar: Comparative Politics* 3 s.h.
Periodically
With the permission of the chairperson, this course may be repeated when the course content varies sufficiently from previous semesters.

161, 162. *Readings* 1-3 s.h. each
Fall, Spring
Individualized reading course designed to meet special interests of the student and to fill gaps in the student's understanding of political science. Ordinarily open only to juniors and seniors who are capable of independent study. Prerequisite: written consent by a member of department to serve as the tutor.

192. *Workshop: United States in the United Nations* 3 s.h.
January
This workshop takes advantage of the facilities of the United States Mission to the United Nations in New York City. The focus is on the role of the U.S. in the U.N. and the relationship of that

role to American foreign policy. Includes classroom work, on-site investigations and briefings by officials of the Mission and the U.N. Secretariat. Sessions at the U.N. in New York will be longer than the scheduled hours.

193. *Political Corruption* 2 s.h.³;10
Periodically
A study of the characteristics of political corruption in a variety of contexts; analysis of standards, behavioral norms; administrative, legislative and electoral corruption; modernization and corruption. The approach will be comparative but the central focus is American politics.

195. *Introduction to Administration* 3 s.h.
Periodically
Identify patterns and principles of administration common to the fields of business, education, health and medicine, and public administration. The functional categories of decision making (planning), organizing, allocating resources, directing, controlling, communications and leadership are treated. Credit given for this course or EADM 200.

201. *American Political Process* 3 s.h.
Periodically
Major theoretical perspectives developed by political scientists to explain the American political system. Major institutions and processes; the environment in which the system functions; and the policy outputs.

251. *Readings* 3 s.h.
Periodically
Selections assigned by the instructor, oral and written reports, independent research. Open only to graduate students with the approval of the department.

Portuguese (PORT)

Administered by the Department of Romance Languages and Literatures. Professor Schwab, *Chairperson*

1. *Elementary Portuguese* 3 s.h.
Fall
Fundamentals of structure. Oral drills.

2. *Elementary Portuguese* 3 s.h.
Spring
Continuation of Portuguese 1. Selected readings. Prerequisite: Portuguese 1 or equivalent.

3. *Intermediate Portuguese* 3 s.h.
Fall
Reinforcement of the structure of Brazilian-Portuguese through discussions and compositions based on selected readings on Luso-Brazilian culture and civilization. Prerequisite: Portuguese 2.

4. *Intermediate Portuguese* 3 s.h.
Spring
Readings in contemporary Luso-Brazilian literature. Prerequisite: Portuguese 3.

Certificate Program in Natural Sciences

POST-BACCALAUREATE PREMEDICAL STUDIES

This certificate program provides the opportunity for students who hold a bachelor's degree and who have not previously studied the sciences to prepare for entrance into a medical profession of their choice. Students may also retake science courses to demonstrate an improved mastery of those subjects.

#Core course

Course of Study:

The Premedical Adviser works in conjunction with the science faculty to guide students in developing an individualized program of study based on their career goals, previous course work, and family/work responsibilities. This flexibility allows students to pursue, as well as design a schedule that fits their unique needs.

Students can prepare for careers in allopathic and osteopathic medicine, dentistry, chiropractic, veterinary medicine, and optometry. They can also complete basic science prerequisites for professions such as Physician Assistant, Physical Therapy, and Occupational Therapy. In these areas, however, additional course work may be necessary depending on an individual school's requirements.

Students can attend full-time or part-time, day or evening. The program can be completed in one year, including summer sessions. Students who do not require the entire sequence of courses may also seek admittance. Only students who complete a minimum of six courses in residence from the Premedical curriculum will be awarded a certificate.

Admission Criteria:

1. completed application form
2. bachelor's degree from an accredited university
3. application fee
4. official transcripts from all colleges attended
5. two letters of recommendation (at least one must be from a faculty member)
6. 3.0 cumulative grade point average. Individuals with a lower GPA may be considered on a case by case basis.
7. Resume and personal statement explaining motivation for a career in the health professions
8. copy of SAT, GRE, or other standardized text scores if taken.

Curriculum:

- General Biology 1 & 2*, 4 s.h. each
- General and Inorganic Chemistry 3A & 4A*, 3 s.h. each
- General and Inorganic Chemistry Laboratory 3B & 4B*, 1 s.h. each
- Elements of Organic Chemistry 131A & 132A*, 3 s.h. each
- Organic Chemistry Laboratory 131B & 132B*, 1 s.h. each
- Elementary Physics 1A-2A*, 3 s.h. each
- Elementary Physics Laboratory 1B-2B*, 1 s.h. each or
- General Physics 11A-12A*, 4 s.h. each
- General Physics Laboratory 11B-12B*, 1 s.h. each (calculus-based)

Mathematics (placement dependent on level of ability; at least one semester of calculus is recommended.)

SUGGESTED SEQUENCE FOR ONE-YEAR OPTION:

Summer Session:

Mathematics (precalculus and/or calculus depending on student's background)

Fall Semester:

- General Biology 1*
- Inorganic Chemistry 3A and 3B*
- Elementary Physics 1A and 1B*
- or
- General Physics 11A and 11B*

Spring Semester:

- General Biology 2*
- Inorganic Chemistry 4A and 4B*
- Elementary Physics 2A and 2B*
- or
- General Physics 12A and 12B*

Summer Session:

- Organic Chemistry 131A and 131B*
- Organic Chemistry 132A and 132B*

Once accepted and enrolled in the certificate program, students must complete all their course work at Hofstra, take a minimum of 6 classes (24 credits) in residence, and maintain a minimum GPA of 3.0.

In addition to the required courses listed above, Hofstra also offers numerous upper-level science courses, psychology, statis-

tics, and a variety of health-related courses, including first aid and safety.

Students will work closely with the Premedical adviser and the science faculty to develop and successfully complete an academic plan.

Hofstra's financial aid administrators and the University College for Continuing Education will be available to help students finance their education and identify private sources of financial aid.

Predental Studies

SEE PREMEDICAL STUDIES

Prelaw Studies

The term prelaw is used to identify any student interested in the study of law. While there is no set prelaw curriculum or major, a well-balanced academic program including English, public speaking, history, philosophy, political science, economics, natural science and language is recommended. A prelaw adviser is available for students in the Office of Academic Advisement. The prelaw adviser assists students in course selection and in planning for the Law School selection and application process. In addition, all students receive regular advisement in their respective academic department.

The Law School Admission Test, sponsored by the Law School Admission Council, is required of applicants to most law schools.

Premedical/Prehealth Professional Studies

The term "prehealth professional" is used to designate any course of study followed by a student whose goal is to attend a health related professional school following graduation from a university. These professional schools are in the fields of medicine, dentistry, osteopathy, podiatry, chiropractic, veterinary medicine and optometry, physical therapy, physician assistant, etc. The term prehealth professional is an administrative one designating those students who may need specialized preprofessional advisement prior to graduation. Hofstra offers majors which fulfill the requirements of these professional schools.

Health related professional schools require at least two and, in most cases, four years of college training for entrance. It is strongly recommended that students complete the requirements for the degree of Bachelor of Arts. Students who plan to complete less than four years of undergraduate work will not be considered for recommendation to medical schools unless their work shows evidence of exceptionally high scholastic achievement in the basic sciences and general cultural subjects, combined with maturity of mind and purpose.

Any student contemplating preprofessional training in medicine, dentistry, optometry, osteopathy, podiatry, chiropractic, or veterinary medicine should immediately register at the Premedical/Prehealth Professional Studies Office in the Academic Advisement Office. Here the student will meet with the prehealth professional adviser and be given advice concerning the choice of a major and the necessary requirements for entering the various schools. The Premedical/Prehealth Professional Studies Office is the official liaison between the University and the health professional school. It is in this office that all pertinent information concerning the premedial/prehealth professional student is filed.

The major field of undergraduate study is left to the student's decision and should be based on intellectual interest. The student, however, must show mastery of the subject and advance beyond the elementary level. The use of good English, the power of clear thinking, and the ability to make good decisions are essential. Cooperation, intellectual honesty, initiative, and understanding of human relations in society, good character, personality, and cultural attainments are all requisites for admission to health related professional schools.

Basic knowledge of biology, chemistry and physics is necessary, and those desiring a major in the sciences are not discouraged from concentrating in these subjects, but it is not necessary that they do so. Courses in advanced mathematics are desirable preparation for quantitative methods in medicine, especially in research. Chemistry and biology should be started in the freshman year. Knowledge of a modern foreign language is recommended.

The Medical College Admission Test, sponsored by the Association of American Medical Colleges, administered by the American College Testing Program (ACT), is required of applicants for admission to most medical colleges. Dental students will take the Dental Aptitude Test. Other examinations may be required by other health related professional schools.

Students pursuing the premedical or prehealth professional studies curriculum should have very early advice to insure a selection of studies which will satisfy entrance requirements and the cultural needs of the health profession. Students who are candidates for a degree must have their programs approved by the adviser in the field of specialization, and copies of all programs *should* be filed in the Premedical/Prehealth Professional Studies Office.

Psychology (PSY)

Professor Kassinove, *Chairperson*

Professors Kaplan, Levinthal, Metlay, Motta, O'Brien, Paul, Salzinger, Schmelkin; Associate Professors Barnes, Blaine, Cox, Dill, Guarnaccia, Johnson, Little, Meller, Ohr, Schare, Serper, Shahani-Denning, Tsytarev, Valenti; Assistant Professors Akin-Little, Barriere, Carter, Chaiken.

THE LEO A. GUTHART DISTINGUISHED PROFESSORSHIP IN TEACHING EXCELLENCE is held by Dr. Liora Pedhazur Schmelkin, Professor of Psychology. See page 444.

THE DR. MERVIN LIVINGSTON SCHLOSS DISTINGUISHED PROFESSORSHIP FOR THE STUDY OF ATTITUDES TOWARD PERSONS WITH DISABILITIES. See page 445.

B.A. SPECIALIZATION IN PSYCHOLOGY: PSY 1, 140, 141; at least one course from the 190-199 series, plus 18 hours of electives in psychology (33 hours in all). At least six hours of electives must be selected from the following courses: PSY 110, 111, 159, 164, 171, 177 or 178. Students considering the possibility of graduate work are advised to take PSY 171, 177 and 178. In addition to a general course of study, in consultation with a departmental adviser, concentrations are available in clinical, counseling or school psychology, general or experimental psychology, industrial and organizational psychology, and careers in education or social work. Students who wish to be considered as psychology or interdepartmental majors must apply to the department and be assigned a department adviser.

See complete B.A. requirements, page 82.

PSI CHI: a national psychology honor society, see page 72.

A MINOR IN PSYCHOLOGY consists of the successful completion of 18 semester hours in psychology courses, under advisement, and at least six hours in residence. Students hoping to pursue

graduate work in allied fields are urged to take an undergraduate course in statistics and at least one laboratory course in psychology.

Psychology majors may choose a minor in business (18 hours) with a specialization in personnel management, marketing research or other approved business area. This combination is intended for those students who wish a B.A. degree in psychology, but do not anticipate continuing in graduate work in psychology. For information, contact Professor Kaplan.

MASTER OF ARTS IN INDUSTRIAL/ORGANIZATIONAL PSYCHOLOGY: prepares students for careers in such areas as human resources, training, management, and organizational development, in which they can apply psychological principles to problems that arise in a wide variety of organizational settings. It is also designed to enhance the careers of professionals who work in these areas by teaching them to apply psychology to issues that develop in their organizations. Research design, statistics, and psychology provide the foundation for advanced study in selection, training, performance appraisal, worker motivation, and organization development. The curriculum is strengthened by an internship sequence which provides on-site supervised experience working on applied projects in business and public agencies. The 44-credit program can be completed in two years by full-time students, and in three to four years by part-time students. Courses are offered in the late afternoon and evening to accommodate part-time students. Hofstra University's master's program in Industrial/Organizational Psychology is the only such graduate program on Long Island.

The types of work that holders of applied master's degrees in industrial/organizational psychology perform include employee selection, management development, survey research, training, organizational development, performance appraisal, career development and program evaluation. They are employed in industry, government, hospitals, social service and mental health agencies, advertising, and marketing research. Their titles include specialist, manager, director, and consultant, as in Training and Evaluation Specialist, Industrial Relations Manager, Director of Human Resources, and Organizational Development Consultant. The program is designed to serve students and organizations in the geographic area centering on Long Island, New York. This region is endowed with many businesses, industries, public agencies, and nonprofit organizations which are undergoing complex change. Facilitating such change requires the services of professionals who are trained in the application of psychological principles to organizational problems.

The M.A. program invites students from diverse backgrounds and those with work experience after graduation from college.

ADMISSION REQUIREMENTS

1. Bachelor's degree (or equivalent) in psychology, business, or a related field with a grade point average of B or better.
 2. Completion of courses in introductory psychology and elementary statistics with a grade of B or better.
 3. Scores of no less than 500 on the Verbal and 500 on the Quantitative sections of the Graduate Record Examination.
 4. Written statement of professional goals.
 5. All prospective candidates will be personally interviewed.
- Professor Metlay, Associate Professor Shahani-Denning, *Codirectors*.

PROGRAM REQUIREMENTS

The M.A. in Industrial/Organizational Psychology comprises 15 courses totaling 44 semester hours. It is designed to be completed in four semesters by full-time students. Part-time students would be expected to complete the program in three to four years. No more than six transfer credits are accepted toward the degree.

Required courses: 17 semester hours

- PSY 201. *Graduate Statistics I*, 3 s.h.
203. *Research Design I*, 4 s.h.

- 283A. *Foundations of Industrial/Organizational Psychology I: Industrial Psychology*, 3 s.h.
 283B. *Foundations of Industrial/Organizational Psychology II: Organizational Psychology*, 3 s.h.
 290. *Internship in Industrial/Organizational Psychology*, 3 s.h.
 341. *Ethics & Professional Practices in Psychology*, 1 s.h.

At least six semester hours of general psychology electives must be chosen from the following:

- PSY 207. *Cognition & Perception*, 3 s.h.
 208. *Learning Theory*, 3 s.h.
 249. *Current Theory & Research in Social Psychology*, 3 s.h.
 288. *Motivation*, 3 s.h.
 289. *Small Group Behavior*, 3 s.h.

At least six semester hours of industrial/organizational psychology electives must be chosen from the following:

- PSY 217. *Organizational Development*, 3 s.h.
 218. *Applied Behavior Analysis in Industry*, 3 s.h.
 219. *Organizational Psychology: Leadership*, 3 s.h.
 284. *Personnel Selection*, 3 s.h.
 286. *Measurement of Work Performance*, 3 s.h.
 287. *Training & Development*, 3 s.h.

Twelve additional semester hours of electives must be taken from the psychology courses listed above or from other graduate programs with written approval. The remaining three semester hours are earned either by completing an additional internship course, PSY 291, or by the completion of a *Master's Essay*, PSY 301. All electives must be selected under advisement.

A qualifying examination must be taken and passed upon completion of 26 semester hours in the program. This examination is given in June and August of each year. Students may have two opportunities to pass the qualifying examination. In addition, students must maintain a B average with no more than one C per semester, or more than two C's toward the M.A. Students who do not meet these requirements, or who receive a D or an F in any course, are dismissed from the program.

MASTER OF ARTS IN PSYCHOLOGY—CLINICAL AND SCHOOL PSYCHOLOGY. It is awarded to all individuals who initially are accepted into the Ph.D. program in Clinical and School Psychology and complete all requirements as listed below.

Candidates must complete at least 30 semester hours of 200-level course work in psychology with a B average and must successfully pass a qualifying examination in psychology.

Program requirements are as follows:

- PSY 201, 202 and eight courses from the following:
 PSY 207, 209A, 216, 227, 231, 232, 249, 251, 254, 255 and 353.

These choices must be selected after consultation with program adviser.

MASTER OF SCIENCE IN SCHOOL-COMMUNITY PSYCHOLOGY: is awarded to all individuals who initially are accepted into the Psy.D. Program in School-Community Psychology and complete 36 semester hours of courses listed below as well as a qualifying examination given at the end of the first year of study.

Candidates must complete the following courses with at least a B average:

- PSY 201, 202, 209, 220, 224, 227, 231, 232, 234, 253, 258A, 280.

See complete graduate information, page 73.

DOCTORAL PROGRAMS

The Psychology Department offers two doctoral programs: one leading to the degree of Doctor of Philosophy in Combined Clinical and School Psychology, and a Doctor of Psychology degree in School-Community Psychology.

The programs are designed to develop psychologists who have a strong theoretical background in psychology, the ability to

translate theory into practice, and the ability to initiate and assume responsibility for meaningful research.

The first two years of the programs provide a foundation of knowledge in psychology so that students may grow, through study and experience, to think scientifically and to develop professional competence. The theoretical course material and the practicum and internship experiences are designed to enhance awareness of the needs and problems encountered in a variety of settings and to stimulate students to originate research in these areas.

The programs have been carefully designed to provide theoretical knowledge and practicum experience as a foundation for more advanced knowledge and practice. For this reason, courses must be taken in sequence.

At the end of the third year, students in the Clinical and School, and School-Community programs who are U.S. citizens are eligible to apply for the certificate of qualification in school psychology through the New York State Education Department.

Each student is evaluated at the end of the first, second and third year based upon the following criteria:

1. Evidence of continued satisfactory academic progress;
2. Ability to succeed in academic and professional work;
3. Ability to make scholarly and professional contributions to the field of psychology and to the program;
4. Ability to function effectively as a professional in the field of psychology and in the program.

The evaluation is based on grades, recommendations of the faculty of the program and field supervisors. The results of the evaluation are presented to each student. Students must obtain satisfactory ratings on all of these criteria to continue in the program. To proceed beyond the first year, students must pass the qualifying examination and obtain the master's degree. During the second semester of the third year (Psy.D.) or first semester of the fourth year (Ph.D.), the student is expected to present an acceptable outline of a dissertation proposal to the faculty for approval in order to continue in the program.

An integral part of the programs involves field internships and practica at a variety of locations under professional supervision. The importance of other educational experiences, including both theoretical and applied course work, and the dissertation are kept in balance by permitting no more than 15 s.h. of credit to be accumulated through internship courses. All students in the doctoral programs are expected to abide by the APA Code of Ethics.

NOTE: Professional Liability Insurance for doctoral candidates: all doctoral candidates in professional psychology are strongly recommended to purchase American Psychological Association sponsored Professional Liability Insurance. This provides coverage while performing professional duties as a psychologist in training. Such coverage should be obtained at the very beginning of training. For information, contact the Director of the doctoral program in which you are enrolled, or apply directly through the American Psychological Association.

PH.D. PROGRAM IN COMBINED CLINICAL AND SCHOOL PSYCHOLOGY prepares professional psychologists for work in mental health centers and hospitals, public schools and special educational facilities, for university based research careers, and for independent private practice.

The program is based upon social learning theory and applied behavior analysis, and includes exposure to cognitive and behavioral theories. A program of colloquia adds to knowledge received through lecture, readings and classroom discussion. Students receive experience and supervision in psychodiagnostic methods, in interviewing and relationship skills, and in psychotherapy with children and adults, both individually and in groups. In practica and internship experiences students are exposed to a wide range of clinical, community and educational problems so that they will be prepared to function and offer services in a variety of settings. The program maintains affiliations with numerous agencies such as the Astor Child Guidance Center, the Center for Biobehavioral Therapy and Research, the Institute for Behavior Therapy, the Institute for Rational Emotive Therapy, the Human Resources School, Long Island Jewish Hospital, the Nassau County Medical Center, St. John's Hospital,

the Southeast Nassau Guidance Center, the United Cerebral Palsy Center, and over 50 other public and private schools and community mental health service facilities.

Professor Salzinger, *Director*; Associate Professor Schare, *Assistant Director for Clinical Psychology*; Associate Professor Guarnaccia, *Assistant Director for School Psychology*.

APPLICATION FOR ADMISSION

Applications completed by February 1 will be screened for regular acceptance. All requests for information should be directed to the Graduate Admissions Office in the Admissions Center. Students are accepted only for the fall of each year. See graduate admissions information, page 79.

ADMISSION REQUIREMENTS

1. Successful completion of the baccalaureate degree at an accredited institution.
2. Score on the Verbal Section of the Graduate Record Examination of no less than 500 and the Quantitative Section of no less than 500.
3. Score on the Graduate Record Examination, Psychology Section, of no less than the 65th percentile.
4. A cumulative grade-point average of 3.0 or better in the following psychology courses completed prior to admission to the program. (Courses taken at another institution must be substantially equivalent to those offered at Hofstra University in terms of material covered. Each transcript will be evaluated individually.)
 - Elementary Statistics
 - History and/or Systems of Psychology
 - Psychological Research, a laboratory course
 - Developmental Psychology
 - Physiological Psychology or Sensation/Perception
 - Tests and Measurement
5. A personal interview.

DEGREE REQUIREMENTS

1. Completion of the 105 credit program with a cumulative grade-point average of B or better.
2. A qualifying examination must be taken and passed immediately upon completion of the first year in the program. This examination is given in May and July of each year. Students who fail the qualifying examination twice will be dropped from the program.
3. Students must maintain a B average each semester, receive no more than one C per semester and no more than three C's in total toward the Ph.D. or the student will be dropped from the program. Any student who receives a D or F grade in any course will have his/her candidacy in the program terminated.
4. Satisfactory interpersonal behavior and professional performance on practica and internships, with no documented reports of unprofessional or unethical conduct.
5. Completion of a satisfactory research dissertation.
6. Satisfactory performance in an oral examination, to be given subsequent to the completion of the dissertation.

PROGRAM REQUIREMENTS

The following courses are required unless transfer credit or a waiver is granted. No more than 15 transfer credits are accepted toward the degree.

- PSY 201. *Graduate Statistics I*, 3 s.h.
 202. *Graduate Statistics II*, 3 s.h.
 204. *Multivariate Statistics in Psychological Research I*, 3 s.h.
 207. *Cognition & Perception*, 3 s.h.
 209A. *Basic Concepts & Issues in Psychology*, 3 s.h.
 210. *Current Literature in Psychology*, 2 s.h.

214. *Neural Bases of Behavior*, 3 s.h.
 216. *Behavior & Personality—Normal & Abnormal*, 3 s.h.
 222. *Research Methods I: Designs for Professional Psychology*, 3 s.h.
 223. *Research Design II*, 4 s.h.
 227. *Interviewing & Counseling in Professional Psychology*, 3 s.h.
 228. *Behavior Deviations I: Clinical Psychopathology*, 3 s.h.
 231. *Theory & Practice of Intellectual Evaluation*, 3 s.h.
 232. *Intellectual, Academic & Vocational Evaluation*, 3 s.h.
 234A. *Personality Assessment by Projective Methods*, 3 s.h.
 240. *Personality Assessment for Research*, 3 s.h.
 249. *Current Theory & Research in Social Psychology*, 3 s.h.
 254. *Psychology of the Exceptional Child*, 3 s.h.
 255. *Psychology of Learning*, 3 s.h.
 260. *Behavior Deviations II: Major Mental Disorders*, 3 s.h.
 FDED 248. *Multicultural Education in the Metropolitan Area*, 3 s.h. or
 PSY 275. *Cross-Cultural and Ethnic Issues in Professional Psychology*, 3 s.h.
 329. *Marital & Family Therapies*, 3 s.h.
 330. *School Psychological Services Internship I: Client-Directed Methods*, 3 s.h.
 331. *School Psychological Services Internship II: Behavioral Counseling of Children & Adolescents*, 3 s.h.
 332. *Clinical Psychological Services Internship I: Behavior Therapy Methods*, 3 s.h.
 333. *Clinical Psychological Services Internship II: Cognitive-Behavior Therapy*, 3 s.h.
 341. *Ethics & Professional Practices in Psychology*, 1 s.h.
 353. *Theoretical Orientations to Human Development*, 3 s.h.
 601. *Dissertation Seminar*, 3 s.h.
 †602. *Dissertation Proposal Preparation*, 3 s.h.
 †/†603A. *Extended Dissertation Advisement*, 3 s.h.
 ††604. *Dissertation Advisement*, 3 s.h.
 ††605A. *Dissertation Extension*, 3 s.h.

†A student who has not made sufficient progress on the dissertation to gain permission of the members of the committee to begin collecting data, will have to repeat the course, paying full fee. A student must maintain continuous enrollment in this course, registering for it during the fall and spring semesters.

A student must complete the work for this course within two semesters. If sufficient progress has not been made by the end of this period, the student will have to enroll in 603A, *Extended Dissertation Advisement*. This course may be taken only once. If the student does not complete the work for this course by the end of the semester, the student will be dropped from the program.

††A student who does not complete the dissertation during the semester of enrollment in 604, *Dissertation Advisement*, will have to repeat the course, paying full fee. Once 602, *Dissertation Proposal Preparation* or 603A, *Extended Dissertation Advisement* has been completed, a student must enroll in 604, *Dissertation Advisement*, the following semester and maintain continuous enrollment in this course during the fall and spring semesters. A student must complete the work for this course within three semesters. If the dissertation is not completed by the end of this period, the student must immediately enroll in 605A, *Dissertation Extension*. The student will be dropped from the program if all requirements for the dissertation are not fulfilled by the end of 605A.

Once a candidate has begun work on the dissertation, a leave of absence from the program will not be granted, except in highly unusual circumstances.

In addition, 12-15 s.h. of electives chosen from the following, under advisement with program director.

PSY	213. <i>Psychology of Addictions</i> , 3 s.h.
	230. <i>Group Counseling & Group Leadership</i> , 3 s.h.
	235. <i>Personality Evaluation I</i> , 3 s.h.
	250. <i>Health Psychology</i> , 3 s.h.
	263. <i>Current Theory & Research in Psychology of Aging</i> , 3 s.h.
	280. <i>Community Intervention Programs</i> , 3 s.h.
ELED	227. <i>Elementary School Curriculum</i> , 3 s.h.
SED	205. <i>Perspectives on Secondary Education</i> , 3 s.h.
FDED	210. <i>Contemporary Educational Movements</i> , 3 s.h.
	220. <i>Aesthetic Education</i> , 3 s.h.
	222. <i>Qualitative Research Methods</i> , 3 s.h.
	244. <i>Seminar: Alternative Education</i> , 3 s.h.
SPED	200. <i>Administration & Supervision of Special Education</i> , 3 s.h.
	250. <i>Education of the Gifted</i> , 3 s.h.
	260. <i>Education of the Disadvantaged Youth</i> , 3 s.h.
READ	266. <i>The Administrator & the Reading Program</i> , 3 s.h.
REHB	230. <i>Philosophy & Principles of Vocational Rehabilitation</i> , 3 s.h.
	232. <i>Medical Information in Rehabilitation</i> , 3 s.h.
EADM	214. <i>Theories & Practices of Supervision</i> , 3 s.h.
	241. <i>Supervision of Instruction & Curriculum Development</i> , 3 s.h.
	243. <i>School Finance</i> , 3 s.h.
	244. <i>School Law</i> , 3 s.h.
	245. <i>Selected Issues in School Administration</i> , 3 s.h.
	249. <i>Management Technology</i> , 3 s.h.
SPCH	242. <i>Aphasia & Related Disorders</i> , 3 s.h.
	243. <i>Language Disorders & Learning Disabilities: Kindergarten Through Adulthood</i> , 3 s.h.
ANTH	200. <i>Fundamentals of Anthropology</i> , 3 s.h.
SOC	272. <i>Sociology of Juvenile Correction</i> , 3 s.h.

See complete doctoral information, page 79.

Psy.D. PROGRAM IN SCHOOL-COMMUNITY PSYCHOLOGY prepares students to become psychology practitioners who provide services to schools and community health service settings. Emphasis is placed upon training the psychologist as a consultant who brings about change within school and community settings, and who is also a provider of psychological services for individuals and families. The practice of school-community psychology is viewed as involving assessment, intervention, planning and prevention in public schools, special education facilities, geriatric facilities, churches, synagogues, veterans centers, centers for the homeless, police departments, facilities for the disabled, facilities for the drug addicted, etc.

The program is designed to accommodate beginning level students who enter with a bachelor's degree, and advanced level students who enter with the master's degree in psychology. Students who are accepted directly upon completion of the bachelor's degree will attend a full-time, 94 credit program. Advanced students who have already completed a master's degree in psychology may attend full time or part time. Course and credit requirements for advanced students will be determined on an individual basis, following review of official graduate transcripts.

All students are required to complete a one year internship and practicum experiences as part of their training. A wide range of school and community settings are available for student training. In addition, completion of a doctoral dissertation project, in an area within the broad field of school-community psychology, is also required. The program faculty have varied areas of special expertise and are able to provide specific training in childhood and adult behavior disorders, posttraumatic stress disorders, alcoholism, forensic (police) psychology, homeless-

ness, education and issues related to gifted and talented children, immigration and cultural adaptation, etc.

Professor Motta, *Director*

APPLICATION FOR ADMISSION

Applications completed by February 1 will be screened for regular acceptance. Applications completed after April 1 will be considered only if there are openings in the program. Information about the program and application material can be obtained from the Graduate Admissions Office. Students are accepted only for the fall of each year. See graduate admissions information, page 77.

ADMISSION REQUIREMENTS

Beginning level: Students admitted with a bachelor's degree will be required to meet the following admission criteria:

1. Successful completion of the baccalaureate degree from an accredited institution.
2. Scores on the Verbal Section of the Graduate Record Examination of no less than 500 and on the Quantitative Section of no less than 500.
3. Score on the Graduate Record Examination, Psychology Section, of no less than the 65th percentile.
4. A cumulative grade-point average of 3.0 or better in the following psychology courses which were completed prior to admission:
 - History and Systems of Psychology
 - Human Development Elementary Statistics
 - Experimental Design
 - Physiological Psychology
 - Psychometric Theory
5. Three letters of recommendation.
6. A personal statement.
7. A personal interview.

Advanced level: Students admitted at the advanced level, who already possess a master's degree in psychology, will be required to meet the following admission criteria:

1. Successful completion of a master's degree in psychology from an accredited institution.
2. Scores on the Verbal Section of the Graduate Record Examination of no less than 500 and on the Quantitative Section of no less than 500.
3. Score on the Graduate Record Examination, Psychology Section, of no less than the 65th percentile.
4. Three letters of recommendation.
5. A personal statement.
6. A personal interview.

DEGREE REQUIREMENTS

1. Completion of the 94 credit program with a cumulative grade-point average of B or better. Advanced students will be given transfer credit based on an individual analysis of their prior graduate academic record.
2. Successful completion of a Qualifying Examination which must be taken and passed following the first year in the program. This examination is given in May of each year. Students who fail the qualifying examination twice will be dropped from the program.
3. Students must maintain a B average each semester, receive no more than one C per semester, and no more than three C's in total toward the Psy.D. or the student will be dropped from the program. Any student who receives a D or F grade in any course will have his/her candidacy in the program terminated.
4. Satisfactory evaluation of performance at all practicum and internship sites, with no documented reports of unethical or unprofessional conduct.
5. Successful completion of an approved doctoral dissertation project.
6. Satisfactory performance at an oral defense of the doctoral dissertation project.

PROGRAM REQUIREMENTS

The following courses are required unless transfer credit is obtained. For students who enter at the advanced level, transfer credit is determined on an individual basis.

- PSY 201. *Graduate Statistics I*, 3 s.h.
 202. *Graduate Statistics II*, 3 s.h.
 207. *Cognition & Perception*, 3 s.h.
 209. *Classical Concepts in Psychology*, 2 s.h.
 210. *Current Literature in Psychology*, 2 s.h.
 214. *Neural Bases of Behavior*, 3 s.h.
 220. *Consultation in Schools & Health Service Settings*, 3 s.h.
 223. *Research Design II*, 4 s.h.
 224. *Research Designs for Health Service Programs*, 3 s.h.
 227. *Interviewing & Counseling in Professional Psychology*, 3 s.h.
 231. *Theory & Practice of Intellectual Evaluation*, 3 s.h.
 232. *Intellectual, Academic & Vocational Evaluation*, 3 s.h.
 234. *Theory & Application of Personality Evaluation*, 4 s.h.
 240. *Personality Assessment for Research*, 3 s.h.
 253. *Advanced Developmental Psychology*, 3 s.h.
 254. *Psychology of the Exceptional Child*, 3 s.h.
 257. *Psychology of the Emotionally Disturbed Child*, 3 s.h.
 258A. *Social Psychology & the School System*, 3 s.h.
 269. *Psychology & the Criminal Justice System*, 3 s.h.
 275. *Cross-Cultural & Ethnic Issues in Professional Psychology*, 3 s.h.
 280. *Community Intervention Programs*, 3 s.h.
 303. *School & Community Psychological Services: Development & Administration*, 3 s.h.
 330. *School Psychological Services Internship I: Client-Directed Methods*, 3 s.h.
 331. *School Psychological Services Internship II: Behavioral Counseling of Children & Adolescents*, 3 s.h.
 341. *Ethics & Professional Practices in Psychology*, 1 s.h.
 349. *School-Community Internship I*, 3 s.h.
 350. *School-Community Internship II*, 3 s.h.
 601. *Dissertation Seminar*, 3 s.h.
 †602. *Dissertation Proposal Preparation*, 3 s.h.
 †/††603A. *Extended Dissertation Advisement*, 3 s.h.
 ††604. *Dissertation Advisement*, 3 s.h.
 ††605A. *Dissertation Extension*, 3 s.h.

Students are permitted to take six semester hours of electives chosen from the following, under advisement of the program director.

- PSY 213. *Psychology of Addictions*, 3 s.h.
 215. *Clinical Neuropsychology*, 3 s.h.
 230. *Group Counseling & Group Leadership*, 3 s.h.
 235, 236. *Personality Evaluation I & II*, 3 s.h. each
 250. *Health Psychology*, 3 s.h.
 251, 252. *Special Topics Seminar*, 1-4 s.h. each
 256. *Theories of Psychological Counseling*, 3 s.h.
 260. *Behavior Deviations II: Major Mental Disorders*, 3 s.h.
 263. *Current Theory & Research in Psychology of Aging*, 3 s.h.
 268. *Advanced Workshop for Training of Professional Group Leaders*, 3 s.h.
 281. *Current Theory & Research in Rehabilitation*, 3 s.h.
 353. *Theoretical Orientations to Human Development*, 3 s.h.
 399. *Psychotherapy with the Deaf via Total Communication*, 3 s.h.
 SPED 200. *Administration & Supervision of Special Education*, 3 s.h.
 250. *Education of the Gifted*, 3 s.h.
 REHB 230. *Philosophy & Principles of Vocational Rehabilitation*, 3 s.h.
 232. *Medical Information in Rehabilitation*, 3 s.h.

- EADM 214. *Theories & Practices of Supervision*, 3 s.h.
 241. *Supervision of Instruction & Curriculum Development*, 3 s.h.
 243. *School Finance*, 3 s.h.
 245. *Selected Issues in School Administration*, 3 s.h.
 249. *Management Technology*, 3 s.h.
 ELED 227. *Elementary School Curriculum*, 3 s.h.
 SED 205. *Perspectives on Secondary Education*, 3 s.h.
 FDED 210. *Contemporary Educational Movements*, 3 s.h.
 220. *Aesthetic Education*, 3 s.h.
 244. *Seminar: Alternative Education*, 3 s.h.
 248. *Multicultural Education in the Metropolitan Area*, 3 s.h.
 SPCH 242. *Aphasia & Related Disorders*, 3 s.h.
 243. *Language Disorders & Learning Disabilities: Kindergarten Through Adulthood*, 3 s.h.
 ANTH 200. *Fundamentals of Anthropology*, 3 s.h.
 SOC 272. *Sociology of Juvenile Corrections*, 3 s.h.

See complete doctoral information, page 79.

POSTDOCTORAL RESPECIALIZATION PROGRAM IN CLINICAL AND/OR SCHOOL PSYCHOLOGY offers psychologists with doctoral degrees in areas other than Clinical and School Psychology the opportunity to respecialize in Clinical and School Psychology so that they may ethically practice in these areas. Respecialization candidates are given programs that meet the APA guidelines which require that psychologists who wish to change their service speciality, or add an additional area of applied specialization must meet the same requirements with respect to subject matter and professional skills that apply to doctoral retraining in the new specialty. The program of each candidate is individualized and all credit is given for relevant course work and requirements that have been satisfied previously.

Professor O'Brien, *Respecialization Program Director*.

ADMISSION REQUIREMENTS

1. A doctorate in psychology in an area other than clinical, counseling or school psychology from an accredited university.
2. Evidence of academic excellence.

†A student who has not made sufficient progress on the dissertation to gain permission of the members of the committee to begin collecting data, will have to repeat the course, paying full fee. A student must maintain continuous enrollment in this course, registering for it during the fall and spring semesters.

A student must complete the work for this course within two semesters. If sufficient progress has not been made by the end of this period, the student will have to enroll in 603A, *Extended Dissertation Advisement*. This course may be taken only once. If the student does not complete the work for this course by the end of the semester, the student will be dropped from the program.

††A student who does not complete the dissertation during the semester of enrollment in 604, *Dissertation Advisement*, will have to repeat the course, paying full fee. Once 602, *Dissertation Proposal Preparation* or 603A, *Extended Dissertation Advisement* has been completed, a student must enroll in 604, *Dissertation Advisement*, the following semester and maintain continuous enrollment in this course during the fall and spring semesters. A student must complete the work for this course within three semesters. If the dissertation is not completed by the end of this period, the student must immediately enroll in 605A, *Dissertation Extension*. The student will be dropped from the program if all requirements for the dissertation are not fulfilled by the end of 605A.

Once a candidate has begun work on the dissertation, a leave of absence from the program will not be granted, except in highly unusual circumstances.

3. A personal interview to determine that the program and the applicant's professional goals are congruent.
4. Evidence that the state recognizes the doctorate as psychology for licensure purposes.

DEGREE REQUIREMENTS

Successful completion of the same requirements as those required of the students in the Ph.D. Program in Clinical and School Psychology. Credit is given for relevant course work and requirements that have been satisfied previously.

See complete doctoral information, page 79.

COURSES

In addition to semester notations next to each course, several courses are offered during the January and Summer sessions. Consult the *January* and *Summer Sessions* bulletins for these schedules.

For additional psychology offerings, see New College listings. These courses may be taken only with the permission of New College and the Psychology Department.

PSY 1 is prerequisite to all psychology courses, except for PSY 7. Students completing PSY 7 must still complete PSY 1 before taking other psychology courses.

1. *Introduction to Psychology* 3 s.h. Fall, Spring, Summer

Methods of investigation and basic principles of psychological functioning including perception, motivation, learning and personality theory; introduction to abnormal psychology including case studies, diagnostic terminology and diverse treatment modes. Various other psychological topics will be considered. Prerequisite to all other psychology courses. Credit given for this course or New College SPB 1, not both.

3. *Current Psychological Issues* 3 s.h. Periodically

Detailed exploration of several psychological topics of important social relevance (e.g., recent topics have included mental health, alcoholism, drug addictions, interpersonal abuse, sexuality). Topics vary depending on their social significance. Guest speakers representing the fields of psychology, psychiatry and social work are featured. Students are required to submit independent research papers on each topic. Recommended for second-semester freshmen and sophomores.

7. *Fundamental Perspectives in Psychology* # 3 s.h. Fall, Spring

Detailed examination of selected major areas of research in psychology, such as natural and artificial intelligence, and physiological and psychological aspects of emotionality.

12. *Psychology and the Law* 3 s.h. Fall, Spring

An examination of the ways psychological principles are applied to the criminal justice field, family law and civil litigation. Topics include victim research, jury selection and courtroom procedures, psychological assessment of the offender, child custody procedures and divorce suits. Credit given for this course or New College SPG 10, not both. (Formerly *Psychology of Criminal Justice*, PSY 112.)

26. *Psychology of Women* 3 s.h. Once a year

Exploration of current research into the perceptual, motivational, physiological, intellectual and interpersonal aspects of the behavior of women. Emphasis will be placed on sex-role development and the impact on the feminine personality of prevailing attitudes about women. Prerequisite: junior standing or higher. (Formerly PSY 126.)

33. *Industrial Psychology* 3 s.h.

Fall, Spring, Summer
Study of psychological principles and methods, and their application to personnel testing, interviewing, selection, training and development, and performance appraisal. Credit given for this course or New College SPG 19, not both. (Formerly PSY 32A.)

34. *Organizational Psychology* 3 s.h. Fall, Spring, Summer

Study of psychological principles and methods, and their application to work motivation, job satisfaction, leadership, communication, job design, and organizational development. (Formerly 32B.)

35. *Psychology of Personality* 3 s.h. Fall, Spring, Summer

Personality organization, factors influencing development, methods of appraisal and personality theories. Credit given for this course or New College SPG 2, not both.

36. *Workshop in Small-Group Behavior* 3 s.h. Periodically

Analysis of small-group behavior together with the identification and evaluation of small-group properties. Leadership and membership functions will be explored and practiced as they relate to a variety of settings including business and industry, educational, governmental and community organizations. Practice in overcoming obstacles to effective interpersonal relationships including t-group sessions. Open to juniors and seniors by permission. (Formerly PSY 130.)

37. *Industrial Behavior Modification* 3 s.h. Once a year

An introduction to behavioral principles in organizations. Theoretical issues in organizational psychology and the quality of working life is examined from the perspective of laboratory based research of human behavior. The application of operant techniques to traditional industrial problems such as productivity, sales, attendance and safety. Management based on applied behavior analysis is contrasted with traditional motivational theories. (Formerly PSY 132.)

39. *Abnormal Psychology* 3 s.h.⁴ Fall, Spring, Summer

Emotional and behavioral deviations, patterns of development, classification and treatment methods. Credit given for this course or New College SPG 14, not both.

53. *Child Psychology* 3 s.h. Fall, Spring, Summer

Development of human behavior from the prenatal period through childhood. (Formerly PSY 153.)

54. *Adolescent Psychology* 3 s.h. Fall, Spring, Summer

Development of behavior from adolescence through maturity. (Formerly PSY 154.)

55. *Psychology of the Mentally Retarded* 3 s.h. Once a year

The physical, intellectual, social and emotional characteristics of the mentally retarded. Special consideration will be given to the various categories of mentally retarded children, to their educational requirements and their adjustment needs in the home and community. Related research findings will be summarized and evaluated. (Formerly PSY 155.)

#Core course

57. *Clinical, Counseling and Community Psychology* 3 s.h.
Once a year
Theories, principles and practices for assessing personality and helping people in various settings to realize their potentials. Prerequisite: PSY 39 or permission of instructor. (Formerly PSY 157.)
58. *Theory and Principles of Psychotherapy* 3 s.h.
Once a year
Survey and classification of individual and group psychotherapies commonly used today. Comparative analysis of the principles and practices of the psychoanalytic, experiential and behavior schools of therapy as well as review of the different philosophical and psychological tenets which are basic to each of these systems. (Formerly PSY 158.)
60. *Psychology of Physical Disability* 3 s.h.
Once a year
Psychological factors in disability and adjustment to disability. (Formerly PSY 160.)
61. *Comparative Psychology* 3 s.h.
Once a year
Phylogenetic differences in sensory capacities, response repertoires, and learning and ethological findings. Laboratory will include work with fish, frogs, pigeons, rats and humans. (2 hours lecture, 2 hours laboratory.) (Formerly PSY 161.)
62. *Psychology of Dreams* 3 s.h.
Once a year
The psychology of primary process thinking. Major theories of dreaming, e.g., Freud, Jung, Hall, Perls, etc. The course will deal with both theories and empirical data as well as practical applications. (Formerly PSY 162.)
63. *Adult Psychology* 3 s.h.
Once a year
The current status of psychological knowledge about adulthood and aging. A broad topical coverage of the chronology of adult experience using a problem-centered, interdisciplinary approach to understanding adulthood, maturity and old age. (Formerly PSY 163.)
65. *Psychological Aspects of Psychotropic Medication* 1 s.h.
Periodically
Current trends in psychotropic medication used to control atypical behavioral and emotional states. Emphasis will be on the positive and negative effects on normal and abnormal states. (Formerly PSY 165.)
76. *The Psychology of Hypnosis* 3 s.h.
Once a year
Major theories of hypnosis. The phenomena elicitable under hypnosis and its clinical application and techniques. The course will cover both research and clinical applications. Permission of instructor. (Formerly PSY 176.)
85. *Psychological Aspects of Human Sexual Behavior* 3 s.h.
Fall, Spring, Summer
Focus on behavioral, emotional and cognitive components of human sexual behavior. Normal and deviant syndromes are considered. Credit given for this course or New College SGG 1/ISGG 3. (Formerly PSY 185.)
88. *Theories and Practice of Interviewing* 3 s.h.
Periodically
Emphasis upon the data obtained from the initial interview, reporting of test findings and establishment of rapport. No liberal arts credit. (Formerly PSY 188.)
89. *Health Psychology and Behavioral Medicine* 3 s.h.
Once a year
Review and analysis of the current trend toward the integration of behavioral methodologies with diagnosed medical problems.
- Topics include the origins, theory and treatment regarding alcohol and chemical dependency, smoking, obesity, and stress-related disorders, as well as headache and other pain disorders. (Formerly PSY 189.)
100. *Honors in Psychology* 3-4 s.h.
Fall, Spring
The research for and the writing of a substantial essay in the field of psychology such as a major literature review or an original experiment. Open only to senior psychology majors who are eligible for and desire to graduate with departmental honors. Interested students must secure the written permission of a full-time faculty member who will supervise the project. An oral defense will be conducted at the conclusion of the project.
101. *Major Concepts in Psychology* 1 s.h.
Periodically
An in-depth exploration of a significant historical, theoretical, empirical or methodological concept in the field. Subjects vary, topics to be announced.
102. *Major Figures in Psychology* 1 s.h.
Periodically
An in-depth exploration of the contributions of one major theorist, researcher or practitioner in the field. The goal of the course is to gain understanding of the impact of this psychologist's life and work on the progress of psychological inquiry and perspective. Subjects vary, topics to be announced.
110. *Principles of Learning and Behavior* 3 s.h.
Periodically
Basic concepts and principles of learning and conditioning with animals and human beings. Prerequisite: PSY 141 or permission of instructor.
111. *Behavior Modification* 3 s.h.
Fall, Spring
Major principles of behavior modification through the application of reinforcement and token economies, techniques of self-control, desensitization, relaxation and biofeedback will be studied. Prerequisite: PSY 141 or permission of instructor.
140. *Measurement and Statistics* 4 s.h.
Fall, Spring, Summer
Application of fundamental statistical and measurement concepts to psychological data analysis and test construction. Topics include scales of measurement, measures of central tendency and variability, sampling and tests of significance, correlation, standard scores, reliability and validity. (3 hours lecture, 3 hours laboratory.) Credit given for this course or QM 1 or SOC 180 or BIO 100 or MATH 8 or New College S 91 or QTB 2.
141. *Research Methods and Design* 4 s.h.
Fall, Spring, Summer
Major principles of research and data collection techniques in experimental psychology. Laboratory work with animals and/ or human beings includes research in selected topics. (3 hours lecture, 3 hours laboratory.) Prerequisite: PSY 140 or equivalent. Students are advised to take this course no later than their junior year.
- 151 & 152. *Readings* 1-4 s.h. each
Fall, Spring
Individual written report based on assigned readings. Open only to seniors with permission of department chairperson.
159. *Social Psychology* 3 s.h.
Fall, Spring
Study of basic issues including social perception, prejudice, attitude theory and methodology. Prerequisite: PSY 141 or permission of instructor. Credit given for this course or New College SPG 9, not both.

164. *Perception and Cognition* 3 s.h.
Once a year
Presentation and discussion of explanatory models, experimental results and conclusions for the phenomena of perception, language, memory, problem solving and creative processes. Prerequisite: PSY 141 or permission of instructor.
171. *History of Psychology* 3 s.h.
Once a year
The historical development of significant psychological concepts, theories and systems. The focus and far-ranging content of this course serves to provide an overall synthesis of the major subfields of psychology. Designed for advanced undergraduate majors in psychology. Prerequisite: PSY 141 or permission of instructor.
- 173, 174. *Senior Seminar* 3 s.h. each
Periodically
Investigation of problems of theoretical interest in several areas of psychology. Sections will be planned for different topics. Prerequisite: permission of instructor.
177. *Biopsychology* 3 s.h.
Fall, Spring
Biological bases of language, sensation, perception, movement, arousal, sleep, motivation, emotionality, learning, memory, mental disorders, and drug-taking behavior. Prerequisite: PSY 141 or permission of instructor. Credit given for this course or New College SPG 13/NGG 1. (Formerly *Physiological Psychology*.)
178. *Psychological Testing* 3 s.h.
Periodically
Review of basic measurement concepts. Examination of tests of intelligence, personality, attitude and special abilities. Ethical issues in psychological testing. Prerequisite: PSY 141 or permission of instructor.
179. *Practicum in Psychological Testing* 3 s.h.
Periodically
Practice under supervision of administration and evaluation of tests suitable for use in job analysis and personnel psychology. No liberal arts credit.
180. *Work Motivation: Theory and Applications* 3 s.h.
See course description, page 428.
181. *Leadership and Group Processes* 3 s.h.
See course description, page 428.
182. *Advanced Data Analysis* 1 s.h.
Once a year
Advanced data analytic skills such as multiple regression, path analysis, and MANOVA are taught using statistics software. Prerequisite: PSY 140 or equivalent. (Formerly PSY 82. *Computer Statistics for the Behavioral Sciences*.)
183. *Capstone Research Integration Course* 3 s.h.
See course description, page 428.
190. *Research Seminar: Cognitive Psychology* 4 s.h.
Once a year
Problems and methods of research on selected areas of human cognition, such as perception, memory, and problem solving. (3 hours lecture, 3 hours laboratory.) Prerequisites: PSY 141, and either PSY 111 or 164 or 177 or equivalent. (Formerly *Research Seminar: Experimental Psychology*.)
192. *Research Seminar: Operant Behavior* 4 s.h.
Every other year
Study and selected applications of behavioral laws typical of such problem areas as motivation, discrimination learning, punishment, etc. Practical experience with procedures and apparatus used with animal subjects will be provided in weekly laboratory sessions. Prerequisite: PSY 141.
194. *Research Seminar: Physiological Psychology* 4 s.h.
Periodically
Demonstrations and practice of the basic techniques used in modern research in physiological psychology. (3 hours lecture, 3 hours laboratory.) Prerequisite: PSY 141, 177 or equivalent.
196. *Research Seminar: Developmental Psychology* 4 s.h.
Fall, Spring
Problems and methods of psychological research focusing on children and adolescents. Examination of basic experimental designs and consideration of ethical issues in developmental psychological research. (3 hours lecture, 3 hours laboratory.) Prerequisites: PSY 141, and 53 or 54.
197. *Research Seminar: Industrial Psychology* 4 s.h.
Once a year
Problems and methods of psychological research in organizational and industrial settings. Examination of basic experimental designs. Fieldwork will be included. (3 hours lecture, 3 hours laboratory.) Prerequisites: PSY 141 and either 33 or 34 or 111 or equivalent.
198. *Research Seminar: Social Psychology* 4 s.h.
Every other year
Experience in selected areas including small group processes, attitude change, leadership, laboratory exercises and fieldwork will be included. (3 hours lecture, 3 hours laboratory.) Prerequisites: PSY 141 and 159 or equivalent.
199. *Research Seminar: Clinical Psychology* 4 s.h.
Once a year
Evaluation of clinical research in the areas of assessment and diagnosis, psychopathology models and psychotherapy effectiveness. Several laboratory projects will be carried out. Prerequisites: PSY 39, 141.
201. *Graduate Statistics I** 3 s.h.
Fall
A first-level graduate course designed to cover such topics as exploratory data analysis, sampling and probability theory, statistical inference (hypothesis testing and confidence intervals) for one- and two-samples, correlation, partial correlation, and multiple regression, and issues in power and robustness.
202. *Graduate Statistics II*** 3 s.h.
Spring
Designed to provide in-depth coverage of analysis of variance (ANOVA). Topics covered are: one-way and two-way ANOVA, multivariate approach to the repeated measures and split-plot designs, multiple comparison and trend analysis, issues in probing an interaction (partial interaction and interaction contrasts vs. simple main effects tests), and issues in power and robustness.
203. *Research Design I** 4 s.h.
Fall, Spring
Emphasis is on true and quasi-experimental designs for psychological research and evaluation. Illustrative designs are presented with discussion concerning the internal and external validity questions. Students are expected to defend the design of an original research project. Prerequisites: PSY 140 and 141 or equivalent.
204. *Multivariate Statistics in Psychological Research I** 3 s.h.
Once a year
Introduces students to multivariate statistics. Topics covered are: path analysis with manifest and latent variables, confirmatory

*Open only to matriculated students in a graduate psychology program.

**Open only to matriculated students in a doctoral program in psychology.

- factor analysis, test theory modes, multitrait/multimethod analysis, multiple-group factor analysis.
205. *Multivariate Statistics in Psychological Research II** 3 s.h.
Once a year
Second course in multivariate statistical techniques that have direct application in experimental and industrial/organizational settings. Focus is on multivariate descriptive statistical techniques including factor analysis, cluster analysis and multidimensional scaling. Prerequisite: PSY 204 or permission of instructor. (Formerly *Multivariate Statistics in Psychological Research I*.)
206. *Theories of Personality* 3 s.h.
Spring, Summer
Comparison of current psychological theories of personality as they relate to general psychological theory.
207. *Cognition and Perception*** 3 s.h.
Spring
Readings and discussion of psychological and physiological aspects of sensation, perception, cognition and emotion. Prerequisite: PSY 190 or permission of instructor.
208. *Learning Theory** 3 s.h.
Periodically
Basic theories of behavioral motivation and change. Prerequisites: PSY 171, 190.
209. *Classical Concepts in Psychology*** 2 s.h.
Fall, Spring
Examination of concepts relating to theory and research in learning, motivation, perception, measurement, prediction and behavior change through examination of articles published in major journals during the past 30 years. Prerequisite: permission of instructor.
- 209A. *Basic Concepts and Issues in Psychology*** 3 s.h.
Fall, Spring
Classical issues and basic concepts in psychology, with an analysis of the current perspectives that psychologists take on these issues. These include topics such as the roles given to behavioral, cognitive, genetic, and physiological processes in basic and applied psychology, memory, social issues, methodological and radical behaviorism, private events in scientific and professional psychology, trends in data analysis and publication, assessment and measurement, etc. Examination of these topics by analyses of articles, published primarily in major journals, which span the entire history of psychology. Credit given for this course or PSY 209, not both.
210. *Current Literature in Psychology*** 2 s.h.
Fall, Spring
Examination of concepts relating to theory and research in learning, motivation, perception, measurement, prediction and behavior change through examination of articles published in major journals during the past five years. Prerequisite: PSY 209.
211. *Intellectual Assessment* 3 s.h.
Spring, Summer
Different methods for individual assessment of the intellectual ability of children, adolescents and adults. May not be taken on a Pass/Fail basis.
213. *Psychology of Addictions* 3 s.h.
Periodically
Research, theories and methods of treatment with respect to alcoholism, drug addiction, smoking and overeating.
214. *Neural Bases of Behavior** 3 s.h.
Spring
Current research and theory relating to the physiological bases of human behavior. Prerequisite: PSY 177.
215. *Clinical Neuropsychology** 3 s.h.
Periodically
An overview of neuropsychology with emphasis upon diagnosis assessment for both clinical and research. Prerequisite: PSY 214.
216. *Behavior and Personality—Normal and Abnormal**† 3 s.h.
Fall
Evaluation and comparison of the dynamic and behavioral approaches with regard to the study of normal and abnormal personality syndromes. Emphasis on the ability of these two approaches to explain, predict and control behavior. Review of current research.
217. *Organizational Development** 3 s.h.
Fall, Spring
Foundations of organizational development. Discussion of topics dealing with the need for change in organizations, how to initiate procedures for organizational change and measure the effect of the change agents, the influence of change at both a formal and informal level and how to overcome resistance to change.
218. *Applied Behavior Analysis in Industry** 3 s.h.
Once a year
Operant approaches to industrial behavior with emphasis on practical applications to management. Use of response contingent reinforcement, behavioral assessment and stimulus control to improve industrial productivity is taught from a foundation in behavioral learning theory. Prerequisite: PSY 208.
219. *Organizational Psychology: Leadership** 3 s.h.
Once a year
The course examines both classic and contemporary perspectives on leadership. The course also reviews research evidence related to each approach. A theoretical foundation enables the student to deal with leadership-related problems encountered in organizational settings. In addition, the course considers strategies used to measure and assess leadership potential.
220. *Consultation in Schools and Health Service Settings*** 3 s.h.
Once a year
This course covers the methods and processes by which psychologists function as consultants within schools and health service settings. Emphasis is placed upon indirect service models, methods of identifying specific needs and problems within school and other organizations, implementation of solutions which are then enacted by the organizations, and on methods of evaluation of outcomes.
222. *Research Methods I: Designs for Professional Psychology** 3 s.h.
Once a year
Emphasizes group and single subject designs as commonly used in clinical, school and community psychology. Attention is paid to research epistemology and to research design. Illustrative designs from professional psychology journals are reviewed.
223. *Research Design II*** 4 s.h.
Fall, Spring
Under supervision, students carry out their research project initiated in PSY 222 or PSY 224 culminating in a written paper and defense of the data and its interpretation. Prerequisite: PSY 222 or PSY 224.
224. *Research Designs for Health Service Programs*** 3 s.h.
Once a year
Experimental and quasi-experimental designs for the analysis of physical and mental health service delivery programs in the

*Open only to matriculated students in a graduate psychology program.

**Open only to matriculated students in a doctoral program in psychology.

†Permission of program director.

- school and community. Procedures and research designs to assess community needs and to translate research findings into social policy. Focus on time series and small n studies, as well as classic between and within subject models. (Formerly *Evaluation Research; Evaluation of Health Service Programs.*)
225. *Multivariate Statistics in Psychological Research III** 3 s.h.
Once a year
Course trains students to perform multivariate statistical analyses of time series, spatial distributions, causal models of behavior and complex contingency tables as they apply to psychological research. Computer analyses for these problems are emphasized. Prerequisites: PSY 204, 205 or permission of the instructor.
227. *Interviewing and Counseling in Professional Psychology*** 3 s.h.
Fall, Spring
Clinical and school psychology techniques with emphasis on the initial interview and on adult and child diagnostic interviewing. Use of rational-emotive and behavioral methods for counseling persons with emotional, behavioral, educational and marital/familial problems. Practicum placements arranged.
228. *Behavior Deviations I: Clinical Psychopathology*** 3 s.h.
Fall, Spring
Biological, ecological and psychological factors leading to emotional and mental disorders. Feeling, thinking and behavioral aspects of neuroses, psychoses and personality disorders in childhood, adolescence, maturity and later maturity. Practicum observation and interaction arranged. Prerequisite: permission of instructor.
229. *Behavioral Counseling and Psychotherapy*** 3 s.h.
Periodically
A comparative study of the theories and practices in the treatment of mental and emotional disorders. Included are the most commonly employed cognitive-behavioral techniques of counseling and psychotherapy. (Formerly *Individual Counseling and Psychotherapy.*)
230. *Group Counseling and Group Leadership*** 3 s.h.
Fall, Spring
Techniques and rationale of group treatment procedures with children, adolescents and adults. Practicum: students will conduct an ongoing group.
231. *Theory and Practice of Intellectual Evaluation*** 3 s.h.
Fall
Basic theory of intelligence. Psychometric elements of intellectual assessment including item selection sampling, reliability, validity, measurement error and norm development. Administration, scoring and interpretation of the Wechsler Adult Intelligence Scale, Stanford Binet Intelligence Scale, and tests of achievement. Practicum hours and testing materials are required. Prerequisite: permission of instructor.
232. *Intellectual, Academic and Vocational Evaluation*** 3 s.h.
Fall, Spring
Continued consideration of psychometric elements of test construction. Administration, scoring, and interpretation of the Differential Abilities Scale, Wechsler Intelligence Scale for Children, and other tests of achievement and vocational skills. Practicum hours and testing materials are required. Prerequisites: PSY 231 and permission of instructor. (Formerly *Intellectual and Vocational Evaluation; Intellectual, Achievement, and Vocational Evaluation.*)
234. *Theory and Application of Personality Evaluation*** 4 s.h.
Fall
General orientation to personality testing. Theories of personality. Administration, scoring, and interpretation of the Thematic Apperception Test, Children's Apperception Test, Bender Gestalt, Sentence Completion and Draw-a-Person Tests. Laboratory hours to be arranged. (Formerly *Theory and Research in Personality Evaluation.*)
- 234A. *Personality Assessment by Projective Methods*** 3 s.h.
Fall, Spring
Provides students with a general orientation to personality assessment through the use of unstructured techniques. Major emphasis is placed on the clinical use of the Thematic Apperception Test and the Rorschach Test, although other methods are also discussed. Focus is placed on theory and empirical findings. Credit given for this course or 234, not both.
- 234B. *Laboratory in Projective Personality Assessment*** 1 s.h.
Fall, Spring
Provides students with experience in the administration and interpretation of unstructured personality assessment techniques, and the relationship of test findings to therapeutic interventions. Primary emphasis is placed on the Thematic Apperception Test and the Rorschach Test. Illustrative protocols are used to present and discuss normative responses, and to compare them with responses given by persons with various Axis 1 and Axis 2 disorders. Focus is placed on the relationship of formal response categories to diagnoses from the *Diagnostic and Statistical Manual* and/or the *International Classification of Diseases.*
- 235, 236. *Personality Evaluation I and II*** 3 s.h. each
Periodically
The administration, scoring and basic interpretation of the Rorschach. The second semester is a practicum in advanced Rorschach interpretation. Special consideration will be given to developmental concepts from childhood to late maturity. Prerequisites: PSY 228, 231, 234 and permission of instructor.
239. *Psychological Assessment for Research** 3 s.h.
Periodically
Special aspects, techniques and theoretical issues related to individual assessment. Prerequisite: permission of instructor.
240. *Personality Assessment for Research*** 3 s.h.
Fall, Spring
A review of personality measurements and theories as used in applied research: actual tests, scoring and interpretation required. Prerequisite: permission of instructor.
249. *Current Theory and Research in Social Psychology** 3 s.h.
Fall, Spring
Review of theory and research in areas of group dynamics, attitude change, integration, asocial behavior and community health.
250. *Health Psychology* 3 s.h.
Once a year
In preparation for research and practice in the field of health psychology, this course examines the relationship of psychosocial and cognitive variables to physical health and disease. Areas to be covered include conditioned illness behaviors, stress and coping, addictions, pain management, and health promotion and disease prevention. Review of the current research in the field.
- 251, 252. *Special Topics Seminar** 1-4 s.h. each
Fall, Spring, Summer
Individual investigation and reports on advanced psychology topics. Prerequisite: permission of director of the graduate program.
253. *Advanced Developmental Psychology*** 3 s.h.
Fall
Principles and theories in infrahuman and human development. Field studies and developmental testing are included.

*Open only to matriculated students in a graduate psychology program.

**Open only to matriculated students in a doctoral program in psychology.

254. *Psychology of the Exceptional Child*** 3 s.h.
Spring
Psychological principles and theories relating to the diagnosis and remediation of specific learning disabilities. (2 hours lecture; field placements arranged.) Prerequisite: permission of instructor.
255. *Psychology of Learning** 3 s.h.
Fall, Summer
Analysis of basic concepts with emphasis on the application of social and behavioral theory to the effective solution of practical problems. An advanced course.
256. *Theories of Psychological Counseling*** 3 s.h.
Periodically
Intensive survey of the psychological theories and practices of individual and group counseling in nonpsychotherapeutic settings.
257. *Psychology of the Emotionally Disturbed Child*** 3 s.h.
Periodically
Theoretical foundations in the study of emotional disturbance in childhood. Study of the nature and needs of the emotionally disturbed child with specific reference to extreme states of anxiety and withdrawal, and to severely aggressive acting out of behavior. Motivation, ego structure, limit setting, frustration tolerance, need-acceptance theory, therapeutic approaches and other concepts and practices will be examined.
- 258A. *Social Psychology and the School System*** 3 s.h.
Once a year
This course explores the roles of school and community psychologists as consultants, direct service providers and change agents within educational settings. Organizational structures (such as school boards, parent-teacher organizations, administrator and faculty committees, etc.) that pertain to the school system are examined and evaluated as contexts for service delivery by psychologists.
259. *Human Relations Workshop for Educators and Community Leaders** 3 s.h.
Periodically
Lectures, discussions and readings in group dynamics and human relations. Exploration of ways to resolve specific human relations problems of interest to participants. Prerequisite: permission of instructor. Credit given for this course or New College SP 259, not both.
260. *Behavior Deviations II: Major Mental Disorders*** 3 s.h.
Fall, Spring
Explores learning and biological factors that account for the development and maintenance of schizophrenia and other major mental and behavioral disorders. Practicum at an inpatient facility where behavioral strategies are implemented to develop and enhance prosocial behaviors, and to decrease maladaptive behaviors. Prerequisite: PSY 208 or 255.
261. *Applied Behavior Analysis of Professional Psychology*** 3 s.h.
Fall, Spring
This course examines the methods of applied behavior analysis in relation to various forms of psychopathology (including minor and major mental disorders). It shows how application of these methods can change dysfunctional behaviors, including dysfunctional nonverbal behavior, speaking, listening, and thinking. It requires students to participate in a practicum in which analysis and modification techniques are implemented. Prerequisite: PSY 208 or 255. Credit given for this course or 260, not both.
263. *Current Theory and Research in Psychology of Aging* 3 s.h.
Once a year
Review of theory and research.
264. *Aging and Human Behavior* 3 s.h.
Once a year
Provides an understanding of old age and the vital processes affecting behavior. Exploration of the biological, social and psychological factors affecting the aging process centering around such areas as personality, intelligence, learning and memory, sexuality, longevity and pathological aging. A comprehensive integration of research findings reflecting behavioral stability and change are also examined.
265. *Aging and Personality* 3 s.h.
Once a year
Explores the aspects of personality as they relate to the aging process. Theoretical notions and issues, intrapsychic phenomena and personality dynamics are examined. Attention is given to continuity and change in the aging personality. Psychological, sociological and cultural implications affecting the aging personality are also examined.
268. *Advanced Workshop for Training of Professional Group Leaders** 3 s.h.
Periodically
Participants will develop techniques for working with groups. Co-trainer opportunities, lectures, discussions, readings in group dynamics, human relations and related fields. Intensive t-group experience. Prerequisite: PSY 259 or equivalent. Limited enrollment. Admission only upon application to and acceptance by workshop director.
269. *Psychology and the Criminal Justice System*** 3 s.h.
Once a year
Examination of the individual, social, and cultural factors that contribute to criminal behavior. Theories of criminality are reviewed as are a number of specific criminal acts. A required practicum experience within the criminal justice system clarifies the role of the psychologist in dealing with criminal behavior.
275. *Cross-Cultural and Ethnic Issues in Professional Psychology*** 3 s.h.
Fall
Implications of theory and research on minority and ethnic issues for the practice of psychology in schools, mental health settings and industry. Prerequisite: permission of instructor. May not be taken on a Pass/Fail basis.
276. *Psychology of Hypnosis*** 3 s.h.
Periodically
Course in theory, technique, management and phenomena of hypnosis. Course will combine lectures, discussion, demonstrations and practicum. Prerequisite: permission of instructor.
278. *Psychometric Theory** 3 s.h.
Once a year
Measurement theory, scaling models, test construction, fundamentals of factor analysis as a psychometric method and applications to content areas in psychology. Prerequisite: PSY 201.
279. *Surveying, Sampling and Scaling** 3 s.h.
Once a year
Designed to teach students the basic concepts in survey construction, sampling theory, and practice and univariate techniques of scaling. Emphasis is on the design and use of evaluation instruments in various applied settings. Prerequisite: PSY 278 or permission of instructor.

*Open only to matriculated students in a graduate psychology program.

**Open only to matriculated students in a doctoral program in psychology.

280. *Community Intervention Programs*** 3 s.h.
Once a year
Principles and methods of initiating, developing and evaluating community service programs. Prerequisite: permission of instructor. (Formerly *Community Program Development and Research; Community Program Development and Evaluation.*)
281. *Current Theory and Research in Rehabilitation** 3 s.h.
Once a year
Review of current theory with a view toward the development of programmatic research, which will facilitate the solution of the problems of the physically and emotionally disabled.
- 283A. *Foundations of Industrial/Organizational Psychology I: Industrial Psychology** 3 s.h.
Fall
Extensive review of theoretical, research and applied issues in the field of industrial psychology. A combination of lecture and discussion strategies is utilized to cover the topics of legal issues, psychological measurement, job and task analysis, selection and recruitment, performance appraisal, training, compensation and job evaluation.
- 283B. *Foundations of Industrial/Organizational Psychology II: Organizational Psychology** 3 s.h.
Spring
Survey of the major topics in organizational psychology including work motivation, job satisfaction, stress, leadership, communication, job design, organizational development and organizational theories. Prerequisite: PSY 283A.
284. *Personnel Selection** 3 s.h.
Fall, Spring
General overview of personnel selection. Lectures and discussions relating to the following topics: legal issues and EEOC, job analysis, selection techniques (e.g., interviews, assessment centers, biographical data banks, psychological tests, honesty testing, drug and genetic screening) and measurement of work performance.
285. *Sexual Behavior and the Treatment of Sexual Disorders* 3 s.h.
Periodically
A discussion of the principal forms of sexual function and etiology, diagnosis and treatment of sexual dysfunction. Prerequisite: permission of instructor.
286. *Measurement of Work Performance** 3 s.h.
Fall, Spring
Review of current research, methods and applications of performance appraisal. Appraisal methods and rating formats are discussed in relation to issues of criteria relevance, legal considerations, and the distinction between subjective ratings and objective measures of performance.
287. *Training and Development** 3 s.h.
Fall, Spring
Review of research and theory related to training models, needs analysis, learning principles and transfer of training, instructional methodology, career development and the evaluation of training programs. Students are expected to develop and deliver a training program related to performance in the work environment.
288. *Motivation** 3 s.h.
Fall, Spring
Cognitive and behavioral theories of motivation and their application to employee satisfaction and performance, with emphasis on the concepts of intrinsic and extrinsic motivation, equity, goals and incentives, values, needs and expectancies. (Formerly *Work Motivation*)
289. *Small Group Behavior** 3 s.h.
Fall, Spring
The study of formal and informal groups, their structure and development. Topics covered include interaction and influence processes, problem solving, decision making, conflict and interpersonal relations.
- 290, 291. *Internship in Industrial/Organizational Psychology** 3 s.h. each
Fall, Spring
Supervised placement in industrial, business, or other organizational setting, typically a two-day-per-week internship. Weekly exploration and discussion of professional and ethical issues pertaining to the internship experience.
- 293A. *Psychology of Human Resources Management** 4 s.h.
Once a year
General review of the principles of administration and formal theories of management as applied to human resources management. Lectures and discussions relating to the following components of human resources: selection (EEOC guidelines, job and task analysis, testing simulation, assessment center); training and development (methods and principles); performance appraisal (assessment, evaluation and feedback); reward systems (compensation, quality of work life). Prerequisite: PSY 283A. May not be taken on a Pass/Fail basis.
299. *Seminar: Organizational Psychology** 3 s.h.
Once a year
Faculty and guest lectures on contemporary issues in industrial/organizational psychology. Prerequisite: PSY 293A.
301. *Master's Essay** 3 s.h.
Periodically
Supervision and instruction leading to the completion of the master's essay. Binding fee payable upon registration. Prerequisite: completion of comprehensives.
302. *Practicum: Advanced Research Methodology** 1 s.h.
Once a year
Concern with current developments and contemporary issues in industrial/organizational research methodology. A major emphasis is to give the student practical experience involving an experiment in an industrial/organizational setting. Prerequisites: PSY 203 and 223.
303. *School and Community Psychological Services: Development and Administration*** 3 s.h.
Spring
Goals and effective practices with attention to interaction with school staff, supervision of entering school psychologists, development of internship programs. (Formerly *School Psychological Services: Development and Administration.*)
329. *Marital and Family Therapies*** 3 s.h.
Fall, Spring
This course introduces advanced doctoral candidates in the Clinical and School Psychology Programs to the concepts, principles and issues associated with marital and family therapy. Both communication disorders and behavioral problems in the context of marriage and the family will be emphasized. The lecture will be accompanied by supervised assignment to therapist team pairs to work with families in which one or more members have been identified as dysfunctional.

*Open only to matriculated students in a graduate psychology program.

**Open only to matriculated students in a doctoral program in psychology.

330. *School Psychological Services Internship I: Client-Directed Methods*** 3 s.h.
Fall
Lectures cover methods of client-directed counseling and therapy with children and adults. Discussions center on lecture material and experiences students are having at their internship placements, including adjustment to the demands of different institutions and supervisors. Practicum: taped presentations, observations, role playing and independent counseling with clients at the Hofstra Psychological Evaluation and Research Clinic. Internship: two days per week in a public or special school setting. Prerequisites: completion of M.A. in Psychology and permission of instructor.
331. *School Psychological Services Internship II: Behavioral Counseling of Children and Adolescents*** 3 s.h.
Spring
Methods of directive counseling and therapy and educational interventions. Discussion of lecture materials and internship placement experiences. Practicum: role playing, videotaped presentations and independent counseling with clients. Internship: two days per week in a public or special school setting and one day per week at the Hofstra Psychological Evaluation and Research Clinic. Prerequisite: PSY 330.
332. *Clinical Psychological Services Internship I: Behavior Therapy Methods*** 3 s.h.
Fall
Theories, techniques and empirical findings related to various procedures used in behavior therapy. Emphasis on in-vivo, imaginal and contingency management techniques. Practicum: practice of assertion training, deep muscle relaxation, systematic desensitization and covert conditioning during individual and group-student meetings. Individual behavior therapy with child and adult clients. Internship: three days per week in an approved clinical psychology placement including mental health clinics, hospitals, behavioral medicine and rehabilitation facilities, or drug and alcohol treatment programs. One day per week at the Hofstra Psychological Evaluation and Research Clinic. Prerequisite: PSY 331.
333. *Clinical Psychological Services Internship II: Cognitive-Behavior Therapy*** 3 s.h.
Spring
Theories, techniques and empirical findings related to various forms of cognitive behavior therapy emphasizing rational-emotive psychotherapy. Practicum: independent cognitive and behavior therapy with child and adult clients at the Hofstra Psychological Evaluation and Research Clinic. Role playing and review of therapy tapes. Internship: three days per week in an approved clinical psychology placement including mental health clinics, hospitals, behavioral medicine and rehabilitation facilities, or drug and alcohol treatment programs. Prerequisite: PSY 332.
334. *Internship: Applied Research** 3 s.h.
Fall
On-site experience in applied research, evaluation research, and/or program evaluation through supervised projects in the following areas of research: physical health, mental health, social services and industrial/organizational settings. This practicum course and its continuation courses include lectures, conferences and project discussions in addition to a two day per week internship. Prerequisite: permission of instructor.
- 335, 336, 337. *Internship: Applied Research** 3 s.h. each
Once a year
Continuation of 334. Prerequisite: permission of instructor.
338. *Internship: Applied Research** 3 s.h.
Fall
Continuation of 334, 335, 336, 337. Prerequisite: PSY 337.
339. *Internship: Professional Psychological Services** 3 s.h.
Periodically
Intended for students specializing in clinical and school psychology. Field placements in community agencies to provide continued experience in psychotherapy, counseling and psychological assessment. Prerequisite: PSY 333.
341. *Ethics and Professional Practices in Psychology** 1 s.h.
Once a year
A review course in all areas such as schools, universities, mental health centers, mental hospitals, community centers, private practice, government service and in the area of research.
342. *Grant Support for Psychological Research and Programs* 1 s.h.
Once a year
Identify sources of government and foundation funding for pre- and post-doctoral research, postdoctoral study, and the development of psychological training programs and services. Develop skills in proposal writing to obtain such funds. Gain knowledge of the structure of relevant government agencies and how to make contacts within them.
349. *School-Community Internship I*** 3 s.h.
Once a year
Students are exposed to administrative and consulting roles of psychologists who work in school and community settings. Emphasis is placed upon program development, administration, evaluation, and upon issues relevant to the supervision and overseeing of personnel within health service settings. Internship placement in a school system or a community agency is required. Quantitative methods
350. *School-Community Internship II*** 3 s.h.
Once a year
Continuation of School-Community Internship I.
353. *Theoretical Orientations to Human Development*** 3 s.h.
Fall, Spring
The critical evaluation of current theories of human development in terms of scientific adequacy. Techniques of theory construction and evaluation are emphasized. Field placements arranged.
360. *Internship: Motivational Theory, Worker Morale and Productivity** 3 s.h.
Once a year
Examination of psychological theories and research to understand and predict individual levels of motivation. Particular attention is given to the contribution of this literature in the areas of job satisfaction, morale and worker productivity. Practicum: on-site experiences in the application and/or research in job satisfaction and worker productivity. Internship: two days per week in public or private organizations under supervision. Prerequisite: permission of instructor.
361. *Internship: Group Interaction Processes** 3 s.h.
Once a year
Lectures and discussions relating to effective and ineffective communication and problem-solving procedures in task groups. Practicum: on-site experience in application and/or research in the analysis of group interaction processes. Internship: two days per week in public or private organizations under supervision. Prerequisite: permission of instructor.

*Open only to matriculated students in a graduate psychology program.

**Open only to matriculated students in a doctoral program in psychology.

362. *Internship: Consumer Psychology** 3 s.h.
Once a year
Lectures and discussions relating to influences, group effects, communication, attitude change, decision making and purchasing processes, research methodology, the law and psychology, and the role of psychology in the judicial system. Practicum: on-site experience in the application and/or research in consumer psychology. Internship: two days per week in public or private organizations under supervision. Prerequisite: permission of instructor.
363. *Internship: Research Design III** 3 s.h.
Once a year
Lectures and discussions relating to formative and summative program evaluation, cost effectiveness, cost benefit analysis, etc. Practicum: on-site experience in the application of evaluation, methodology and cost analysis. Internship: two days per week in public or private organizations under supervision. Prerequisite: permission of instructor.
364. *Internship: Consulting and Communications** 3 s.h.
Once a year
Lectures and discussions relating to concepts of information processing, verbal and nonverbal communications, group and organizational communication, audits and effective consulting behaviors. Practicum: on-site experience in the application and/or research in communication measurement and training. Internship: two days per week in public or private organizations under supervision. Prerequisite: permission of instructor.
382. *Research in Industrial/Organizational Psychology** 3 s.h.
Fall, Spring
Participation in ongoing laboratory or field research in industrial/organizational psychology, individually supervised by members of the program faculty. May be taken a maximum of four times. Prerequisite: PSY 302.
399. *Psychotherapy with the Deaf Via Total Communication* 3 s.h.
Periodically
Readings, discussion and practicum related to the specific psychological problems of the hearing impaired; modes and methods of communication, verbal and nonverbal; appropriate psychotherapeutic techniques, client-centered, behavioral, rational-emotive, etc.; instruction in total communication and practice in small group and individual therapy sessions under supervision.
601. *Dissertation Seminar*** 3 s.h.
Fall
Exploration of dissertation topics and examination of related research. Credit for the course requires the development and design of a specific dissertation outline and the written agreement by a faculty member to sponsor the dissertation.
602. *Dissertation Proposal Preparation*** 3 s.h.
Fall, Spring
Through individual consultation with a sponsor, students fully develop their doctoral research proposal and present it for approval to their three-person dissertation committee. May be taken twice. Three credits are applied towards the doctoral degree when Form II is approved and filed with the chairperson in psychology.
- 603A. *Extended Dissertation Advisement** 3 s.h.
Fall, Spring
For students who have not completed a satisfactory dissertation proposal and who have not had Form II signed by a sponsor and two additional committee members after enrolling in PSY 602 twice.
If, after completing PSY 603A, the student still has not a signed

Form II, he/she will be dropped from the program. This course may be taken only once. May not be taken on a Pass/Fail basis. No credit toward degree.

604. *Dissertation Advisement*** 3 s.h.
Fall, Spring
In consultation with a sponsor, students execute their approved research study, analyze their data, write up the results, and defend the project in a final oral examination. May be taken three times. Three credits are applied towards the doctoral degree when the approved dissertation has been placed in the Hofstra University Axinn Library.

- 605A. *Dissertation Extension*** 3 s.h.⁵
Fall, Spring
For students who have not completed the dissertation and passed their oral examination after enrolling in PSY 604 three times.

If, at the end of this course, the student still has not completed the dissertation, he/she will be dropped from the program. This course may be taken only once. May not be taken on a Pass/Fail basis. No credit toward degree.

Publishing Studies

SEE ENGLISH

Public Affairs

Administered by the Department of Political Science,
Professor Landis, *Chairperson*

Associate Professor of Political Science Himelfarb, *Adviser*

MINOR IN PUBLIC AFFAIRS is an interdisciplinary program, consisting of the successful completion of 18 semester hours, with at least six credits taken in residence. At least 12 semester hours must be taken outside the student's major department.

- A. Required
- PSC 105. *Contemporary Issues in American Politics*, 3 s.h.
- B. Three semester hours chosen from *each* of the following categories, for a total of six semester hours:
- The Values Context of Public Policy
 - ECO 144. *History of Economic Thought*, 3 s.h.
 - 150. *Modern Economic Theory*, 3 s.h.
 - PHI 20. *Social & Political Philosophy*, 3 s.h.
 - PSC 141. *American Political Thought*, 3 s.h.
 - 142. *Western Political Theory: Plato to Hobbes*, 3 s.h.
 - 143. *Ideas in Conflict: Modern Democratic & Totalitarian Political Thought*, 3 s.h.
 - The Makers and Implementers of Public Policy
 - PSC 120. *Law & Politics: Judicial Process*, 3 s.h.
 - 121. *The American Presidency*, 3 s.h.
 - 122. *Congress: National Legislative Process*, 3 s.h.
 - 126. *The Politics of Public Administration*, 3 s.h.
- C. Nine semester hours chosen from one of the following policy areas:
- Communications Issues
 - MASS 104. *Media & the Law*, 3 s.h.
 - PSC 147. *Public Opinion & Political Communication*, 3 s.h.
 - TPP 116. *Technology & Communications Policy*, 3 s.h.
 - SPCM 47. *Freedom of Speech*, 3 s.h.
 - Economic Issues
 - BLAW 114. *Labor & Employment Law*, 3 s.h.

*Open only to matriculated students in a graduate psychology program.

**Open only to matriculated students in a doctoral program in psychology.

- ECO 7. *Explorations of Current Economic Issues*, 3 s.h.
 125. *Monetary Economics*, 3 s.h.
 131. *Government & Business*, 3 s.h.
 132. *Intermediate Macroeconomics*, 3 s.h.
 136. *Public Finance & Fiscal Policy*, 3 s.h.
 141. *Labor Economics*, 3 s.h.
 143. *Economic Development*, 3 s.h.
3. Environmental and Energy Issues
 BIO 114. *General Ecology*, 3 s.h.
 CHEM 185. *Environmental Chemistry*, 3 s.h.
 ECO 10. *Economics, Environment & Community*, 3 s.h.
 GEOG 102. *Population, Resources & Environment*, 3 s.h.
 GEOL 5. *Environmental Geology & Natural Hazards*, 3 s.h.
 9. *Introduction to Earth Resources*, 3 s.h.
 10. *Environmental Geology*, 3 s.h.
 HPFS 68. *Environmental Health*, 3 s.h.
 TPP 1. *Introduction to Environmental Systems*, 3 s.h.
 110. *Energy & Society*, 3 s.h.
 115. *Environmental Planning*, 3 s.h.
4. Health Issues
 ANTH 117. *Medical Anthropology*, 3 s.h.
 HPFS 63. *Community Health Care & Services*, 3 s.h.
 65. *Ethical, Legal & Critical Health Problems*, 3 s.h.
 68. *Environmental Health*, 3 s.h.
 160. *International Health Issues*, 3 s.h.
 SOC 8. *Sociology of Substance Abuse*, 3 s.h.
 104. *Sociology of Health & Medicine*, 3 s.h.
5. International Issues
 ANTH 32. *Women & Development*, 3 s.h.
 BLAW 117. *Law in the Global Economy*, 3 s.h.
 ECO 142. *International Economics*, 3 s.h.
 HPFS 160. *International Health Issues*, 3 s.h.
 PSC 134. *American Foreign Policy*, 3 s.h.
 135. *International Politics*, 3 s.h.
 137. *World Organization and International Law*, 3 s.h.
 SOC 32. *Women & Development*, 3 s.h.
 TPP 113. *Technology & Defense Policy* (same as PSC 113), 3 s.h.
6. Legal Issues
 BLAW 20. *Introduction to Legal Systems, Environment & Contracts*, 3 s.h.
 114. *Labor & Employment Law*, 3 s.h.
 116. *Cyberlaw: Law for the Internet and Technology*, 3 s.h.
 ECO 171. *Law & Economics*, 3 s.h.
 PHI 120. *Philosophy of Law*, 3 s.h.
 121. *Philosophical Views on Crime & Punishment*, 3 s.h.
 233. *Morality & the Law*, 3 s.h.
 PSC 128. *The Constitution: Political Freedom & Civil Liberties*, 3 s.h.
 129. *The Administration of Justice in America*, 3 s.h.
 SOC 7. *Crime & Delinquency*, 3 s.h.
 170. *Sociology of Law*, 3 s.h.
 172. *Sociology of Corrections*, 3 s.h.
7. Racial Issues
 ANTH 101. *The Native Americans*, 3 s.h.
 137. *Race & Ethnicity: an Anthropological Perspective*, 3 s.h.
 ECO 121. *Economics of Discrimination*, 3 s.h.
 FEED 114. *The Education of America's Minority Groups*, 3 s.h.
 PSC 111. *Politics of Race in the United States*, 3 s.h.
 SOC 134. *Race Relations in the United States*, 3 s.h.
8. Science and Technology Issues
 BIO 3. *Biology in Society*, 3 s.h.
 10. *Genetics & Society*, 3 s.h.
 TPP 112. *Technology & Human Values* (same as PHI 9), 3 s.h.
 117. *Technology Assessment*, 3 s.h.
9. Urban Issues
 ECO 165. *Urban & Regional Economics*, 3 s.h.
 GEOG 103. *Urban Geography*, 3 s.h.
 PSC 115. *State & Metropolitan Politics & Governments*, 3 s.h.
 SOC 37. *Parenting, Poverty & Social Policy*, 3 s.h.
 141. *Urban & Community Studies*, 3 s.h.
 TPP 114. *Technology & Urban Problems*, 3 s.h.
10. Women's Issues
 ANTH 32. *Women & Development*, 3 s.h.
 SOC 32. *Women & Development*, 3 s.h.
 37. *Parenting, Poverty, & Social Policy*, 3 s.h.
 160. *Sociology of Gender*, 3 s.h.
 SPCM 53. *Gender & Intercultural Issues in Communication*, 3 s.h.
 WST 1. *Introduction to Women's Studies*, 3 s.h.

Quantitative Methods (QM)

Administered by the Department of Business Computer Information Systems and Quantitative Methods. Professor Affisco, Chairperson

COURSES

In addition to semester notations next to each course, a selection of courses is offered during January and Summer sessions. Consult the *January and Summer Sessions* bulletins for these schedules.

1. *Introduction to Business Statistics* 3 s.h.
 Fall, Spring
 Collection, classification, presentation and use of statistical data in solving business problems. Topics include descriptive statistics, probability, decision analysis, estimation and hypothesis testing. No credit for both this course and MATH 8 or BIO 100 or PSY 140 or SOC 180 or QM 201.
122. *Intermediate Business Statistics* 3 s.h.
 Fall, Spring
 Builds upon and continues the work introduced in QM 1. Topics include statistical quality control, analysis of variance, chi-square test and the analysis of contingency tables, simple and multiple regression, correlation, and time series models with applications to business forecasting. Prerequisites: BCIS 10 or 14 and QM 1.
146. *Statistical Techniques for Total Quality Management* 3 s.h.
 Once a year
 Modern statistical techniques for the implementation of Total Quality Management. Statistical methods including control charts and process capability, and acceptance sampling for variables and attributes are discussed. Other topics include Taguchi methods, information technology and quality, and management of the quality improvement process. Prerequisite: QM 122, or the equivalent and permission of the department chairperson.
150. *Business Forecasting* 3 s.h.
 Periodically
 Various forecasting procedures utilized in business settings are covered in order to analyze time-series data. Topics include regression analysis, smoothing procedures, decomposition methods, seasonal models and Box-Jenkins concepts. Actual business problems are emphasized. Software packages are utilized. Prerequisites: BCIS 10 or 14 and QM 122.

160. *Applied Data Modeling* 3 s.h.
Periodically
Builds on the regression and correlation concepts introduced in QM 122. Topics include advanced regression modeling, financial modeling and categorical data analysis. Techniques are applied to solve a variety of business problems. Extensive use of SAS computer software. A course project is required. Prerequisites: BCIS 10 or 14 and QM 122.
184. *Deterministic Models in Operations Research* 3 s.h.
Periodically
Formulation and solution of mathematical programming models with specific business applications will be stressed. Topics include linear programming and its ramifications, network models and integer programming. Prerequisites: QM 122 and junior class standing or above. Same as MGT 184.
185. *Probabilistic Models in Operations Research* 3 s.h.
Periodically
Operations research concepts involving uncertainty are explored with applications to business related problems. Topics include inventory models, queuing theory, simulation and stochastic process. Prerequisite: QM 122.
201. *Quantitative Analysis With Business Applications** 3 s.h.
Fall, Spring
Descriptive statistics, probability and probability distributions, interval estimation, hypothesis testing, sampling, statistical quality control and chi-square tests. (Formerly *Introduction to Quantitative Methods*.)
210. *Advanced Applications for Quantitative Analysis** 3 s.h.
Fall, Spring
Regression modeling, analysis of variance, time series analysis and business forecasting methods, and nonparametric methods. Use of statistical packages. Prerequisite: QM 201 or approved equivalent. (Formerly *Quantitative Analysis in Business*.)
215. *Business Forecasting** 3 s.h.
Periodically
Statistical techniques used in the forecasting of time series and their applications to business problems. Topics include smoothing and decomposition methods, seasonal variation, autoregressive moving average methods and Box-Jenkins techniques. Prerequisite: QM 210.
217. *Decision Analysis** 3 s.h.
Periodically
Introduction to the analysis of decision making under uncertainty with applications to business problems. Topics include Bayesian concepts, decision trees, assessments and revision of probabilities, sensitivity analysis and multicriteria decision making. Prerequisite: QM 210.
220. *Operations Research and Decision Making Under Uncertainty** 3 s.h.
Periodically
Formulation and use of models of operations research in business problems. Topics include inventory models, PERT/ CPM, queuing theory, simulation and dynamic programming. Prerequisite: QM 210.
230. *Mathematical Programming** 3 s.h.
Periodically
Mathematical programming models for business related problems. Topics include linear programming and its ramifications, network models, integer programming, and nonlinear programming. Prerequisite: QM 210.
250. *Multivariate Data Analysis Methods** 3 s.h.
Periodically
Computer package-based approach to multivariate methods using SAS and other statistical packages. Topics include principal

component analysis, canonical correlation analysis, factor analysis, multidimensional scaling and cluster analysis, discriminant analysis. Prerequisite: QM 210.

255. *Quality Management and Statistical Quality Control** 3 s.h.
Periodically
Criteria for quality in a wide range of business and organizational activities, managerial roles in quality assurance, total quality system approach, vendor quality control, quality cost programs, quality motivation programs, quality circles, quality control in service industries, quality reporting information systems and statistical techniques for quality assurance. Course emphasizes case oriented approach. Prerequisite: QM 210.

401. *Quantitative Analysis for Managers*** 4 s.h.
Periodically
Introduction to concepts and methods in quantitative analysis which are most useful to executives in managing productive processes. Major emphasis is on improving executives' understanding of variation and its control and reduction consistent with a commitment to continuous improvement. The course consists of three modules. The first concentrates on summarizing and describing data, and modeling randomness and variability using probability theory. Topics included in this module are descriptive statistics, statistical process control, probability, sampling, estimation, and hypothesis testing. The second module concentrates on the use of regression analysis and experimentation to improve performance. Topics include simple and multiple regression and correlation, design of experiments, and analysis of variance. The third module focuses on the decision sciences models that are most widely used in the practice of management decision making. Among these are decision analysis, linear programming (with emphasis on formulation, computer solution, and sensitivity analysis) and simulation. Use of statistical software and spreadsheets are emphasized throughout the course.

Reading (READ)

Administered by the Department of Literacy Studies. Professor Taylor, *Chairperson*

During the 2001-2002 academic year a number of new course initiatives are being infused into the existing curricula. Students should consult with faculty advisers for program details of the changes being introduced.

For descriptions of LYST courses, see page 287.

Assistant Professor Flurkey, Director of the Reading/Writing Learning Clinic

Special Associate Professor Lima; Assistant Professors Goodman, Henry, Zaleski; Special Assistant Professor Garcia.

The master's, professional diploma and doctoral degree programs in reading are registered with the New York State Department of Education, and the master's and professional diploma programs meet certification requirements.

The Reading Program offers two undergraduate courses and a variety of academic programs for the graduate student.

The Reading/Writing Learning Clinic offers noncredit clinical services for the University and for the community at-large.

*Open only to matriculated Zarb School of Business graduate students and/or matriculated School of Education and Allied Human Services graduate students where appropriate.

**Open only to matriculated Zarb School of Business E.M.B.A. students.

UNDERGRADUATE COURSES

The undergraduate offering consists of two developmental reading courses, READ 11, and the advanced course, READ 12. READ 12 may be applied toward liberal arts credit. These courses focus on developing the higher-level reading skills essential for the most efficient acquisition of knowledge through written communication, discursive and nondiscursive.

GRADUATE PROGRAMS

The graduate offerings include masters', professional diploma and doctoral programs, all of which have been registered with the New York State Department of Education. The master's and professional diploma programs meet the requirements for certification of teachers of reading.

MASTER OF ARTS: READING, LANGUAGE, AND COGNITION

During the 2001-2002 academic year a number of new course initiatives are being infused into the current M.A. in Reading, Language, and Cognition program. Students should consult with faculty advisers for program details of the changes being introduced.

The program is designed to provide the foundation for the Ph.D. and to prepare candidates for the following:

1. Reading specialists with primary interest in diagnostic and remedial work with individuals and small groups in clinic settings.
2. Reading specialists or coordinators with the responsibility of assisting classroom teachers dealing with students with severe reading disabilities.
3. Reading specialists concerned with theories of language and learning as the foundation for instruction.

ADMISSION REQUIREMENTS

(1) B.A. or B.S. degree (undergraduate academic average will be considered); (2) letter of recommendation from principal or supervisor under whom applicant has worked or recommendation from a University faculty member; (3) satisfactory score on Miller Analogies Test or the National Teacher Examination; (4) interview with a representative of the Reading faculty. All students accepted will be classified as matriculated Master of Arts students.

REQUIREMENTS FOR DEGREE CANDIDACY

(1) minimum of B in two of the first three reading courses, (2) recommendations of two Reading faculty members. Upon completion of the foregoing requirements, the matriculated master's student becomes a Master of Arts degree candidate.

DEGREE REQUIREMENTS

(1) satisfactory score on comprehensive examination; (2) competence in statistics: satisfactory completion of RES 259 and 259L, which may also be used toward course work requirement; (3) master's essay; (4) completion of 33-36 semester hours in prescribed courses with a satisfactory grade-point average.

REQUIRED

LYST 210, 214, 218, 240, 241; READ 240, 255, 301; RES 259, 259L.

Electives: one chosen from LYST 212, 245; Read 250; PSY 211, LYST 200.

See complete graduate information, page 73.

THE PROFESSIONAL DIPLOMA IN READING

During the 2001-2002 academic year a number of new course initiatives are being infused in the current Professional Diploma

program. Students should consult with faculty advisers for program details of the changes being introduced.

The professional diploma program is divided into Program "S" for students who already hold a Master of Science in Education degree in Reading or in another area, and Program "A" for students who already hold a Master of Arts degree in Reading or in another area.

PROGRAM "S" provides students with a competence in the following areas:

1. the initiation and administration of a school- or district-wide reading program;
2. the improvement of instruction through assistance to classroom teachers.

PROGRAM "A": provides students with a foundation for the Ph.D. in Reading.

ADMISSION REQUIREMENTS

(1) minimum of two years full-time teaching experience or its equivalent; (2) master's degree (graduate academic record will be considered); (3) recommendations from two school administrators under whom the applicant has worked; (4) satisfactory score on the Graduate Record Examination, the Miller Analogies Test, or the National Teacher Examination; (5) personal interview with a member of the Reading faculty.

REQUIREMENTS FOR DIPLOMA CANDIDACY

(1) minimum of B in two of the first three reading courses, (2) recommendations from two members of the Reading faculty.

DIPLOMA REQUIREMENTS

minimum of 65 hours of course work beyond the bachelor's degree.

NOTE: students who have not received their master's in reading at Hofstra must take a comprehensive examination in reading upon completion of READ 240 or LYST 241.

ADVANCED STANDING

(1) the maximum advanced standing for students other than Hofstra graduates with a master's specialization in reading will be a master's degree plus 6 hours of work beyond the master's; (2) the maximum advanced standing for Hofstra graduates with a master's specialization in reading will be 12 hours.

Total course work within the Master's and Advanced Study programs must include the series which follows.

PROGRAMS OF STUDY

PROGRAM "S-1": for candidates holding M.S. in Ed. in Reading from Hofstra:

LYST 214; READ 239, 249, 255, 256; SPCH 235 or 243; 15 hours of electives, under advisement, in writing, special education, psychology, or other approved areas.

Candidates for supervisory certification must take the above 15 hours in reading, READ 360 and 18 hours of prescribed work in educational administration.

PROGRAM "S-2": for candidates holding M.S. in Ed. in areas other than reading:

LYST 210, 214, 218, 220 or 221, 240, 241, 242; READ 239, 240, 249, 250, 255, 256; PSY 211.

PROGRAM "S-3": for candidates holding M.S. in Ed. in Reading and Special Education from Hofstra:

LYST 210, 220 or 221, 242; READ 239, 249, 255, 256

PROGRAM "A-1": for candidates holding M.A. in Reading from Hofstra:

LYST 214, 220, or 221; READ 239, 255, 256; plus 12 hours of electives, under advisement, from the following areas: special education, psychology, sociology/anthropology, speech, writing or other approved areas.

PROGRAM "A-2": for candidates holding a Master of Arts degree in an area other than reading:

LYST 214, 218, 220 or 221, 240, 241, 242 READ 239, 240, 250, 256; PSY 211; RES 259, 259L or equivalent.

DOCTORAL PROGRAMS IN READING

During the 2001-2002 academic year a number of new course initiatives are being infused into the existing curricula. Students should consult with faculty advisers for program details of the changes being introduced.

The *Doctor of Education* in Reading, Language, and Cognition is designed for teachers, reading and language arts specialists, and other professional personnel in the public schools who will be concerned primarily with practice and college-level teaching. It includes the basic reading courses in the programs which lead to the Master of Science in Education in Reading and the Professional Diploma in Reading, Program "S-1."

The *Doctor of Philosophy* in Reading, Language, and Cognition is designed for specialists concerned primarily with research, experimentation and higher education, and includes the basic reading and psychology courses in the programs leading to the Master of Arts degree in Reading, Language, and Cognition and the Professional Diploma in Reading, Program "A-1" or "A-2."

A bilingual/bicultural emphasis in the Ed.D. or Ph.D. program is provided for bilingual applicants (Spanish-English) who work in or wish to prepare to work in bilingual settings.

An early childhood emphasis in the Ed.D. program is provided for applicants who work in or wish to prepare to work in early childhood stages.

GENERAL REQUIREMENTS

Matriculation

1. Basic University requirements for doctoral degrees.
2. Letters of recommendation from two supervisors, administrators or college professors who are in a position to rate the applicant.
3. Teaching experience: 3 years for Ed.D. prior to entering and 5 years before completion; for Ph.D. candidates, teaching experience adequate for providing the necessary experiential background to develop meaningful research proposals.
4. Master's degree or equivalent.
5. Academic proficiency in undergraduate and graduate study.
6. A satisfactory score on the Miller Analogies Test or the Graduate Record Examination.
7. Statement of goals (on application supplement).
8. Satisfactory score on the department's Doctoral Admissions Examination in Reading and Writing. For foreign applicants, a satisfactory score on the TOEFL.
9. Bilingual applicants must take a language proficiency examination in English and Spanish.

DEGREE CANDIDACY

Students will be admitted provisionally until they fulfill the following requirements necessary for full acceptance as degree candidates. These requirements must be met within three years of matriculation:

1. Master's comprehensive examination for students whose master's degree was not taken in the Hofstra University Reading Department. The results of this examination will be used to plan the student's advanced course of studies and to make up any deficiencies.
2. For Ed.D. candidates, satisfactory completion of RES 259, 259L, 260 and 260L or equivalents. For Ph.D. candidates, satisfactory completion of RES 259, 259L, 260, 260L, 363, 363L or equivalents. In some cases, RES 363 and 363L (4 s.h.) are also required for the Ed.D. candidates, depending on the nature of their dissertations. These courses may also be used toward course work requirements.
3. For Ph.D. candidates, a reading knowledge of a modern language, preferably French, German or Spanish.
4. Acceptance by the Graduate Committee.

DEGREE REQUIREMENTS

1. Completion of a minimum of 90 graduate credits for both the Ed.D. and the Ph.D.
2. A comprehensive examination. The doctoral comprehensive examination must be taken during or after READ 363.
3. Satisfactory completion of the dissertation and the oral examination based upon it. The oral examination must be scheduled through the major adviser. The Ed.D. dissertation will concentrate on practical application to a school situation and may be descriptive in nature. The Ph.D. dissertation will concentrate on basic research having more universal application. It will be either statistical in nature or designed to develop theoretical models based on an insightful analysis in depth of basic research already completed or in combination with case studies. Candidates must complete all requirements within 5 years of acceptance as a degree candidate.

RESIDENCY

Students who matriculate for the doctoral programs in reading must spend one year in full-time residence or fulfill the options approved by the Graduate Committee. (See Degree Requirements, Residency, page 80.)

ADVANCED STANDING

1. Students who have taken graduate courses at other institutions which are similar to courses required in the Hofstra University Reading programs may apply for advanced standing.
2. Transfer credit up to 45 semester hours may be granted for similar courses taken in programs leading to a master's degree or a professional diploma.

See complete doctoral information, page 79.

Ed.D. PROGRAM IN READING, LANGUAGE, AND COGNITION

The Doctor of Education in Reading, Language, and Cognition program is planned to prepare the following:

1. Specialists who coordinate reading services in schools on a district-wide basis.
2. Consultants with major responsibility for curriculum improvement on a district-wide level.
3. Instructors who intend to teach reading and language arts courses at the college level.
4. For bilingual candidates, the initiation and administration of school-wide or district-wide bilingual reading and language arts programs.
5. For bilingual candidates, the improvement of bilingual reading and language arts instruction through assistance to bilingual classroom teachers.
6. Instructors who are teaching an integrated language arts program at the early childhood level.

PROGRAM REQUIREMENTS

Basic Courses

LYST 210. *Introduction to Literacy Studies*, 3 s.h.

213. *Introduction to Bilingual & Biliteracy Instruction for Children & Adolescents*, 3 s.h.
214. *Language & Literacy in Early & Middle Childhood*, 3 s.h.
218. *Reading & Writing Practices in Early & Middle Childhood*, 3 s.h.
220. *Literature in the Lives of Young Children* 3 s.h.
240. *Assessment & Evaluation of Reading & Writing*, 4 s.h.
241. *Miscue Analysis & Retrospective Miscue Analysis*, 3 s.h.
242. *Literacy Practicum: Assessing the Complexity of Student Learning*, 3 s.h.
245. *Revaluing Struggling Readers*, 3 s.h.
- READ 239. *Psycholinguistic Foundations for Reading & Writing Instruction*, 3 s.h.
240. *The Reading Teacher in the School & Clinic Settings (K-12)*, 4 s.h.
249. *Supervision of Reading Programs*, 3 s.h.
250. *Practicum in Instructional Strategies & Assessment*, 3 s.h.
255. *Psychological Foundations of Reading & Writing Instruction*, 3 s.h.
256. *Psycholinguistics, Sociolinguistics, & the Processes of Reading & Writing*, 3 s.h.
- PSY 211. *Intellectual Assessment*, 3 s.h.
- FDED 222. *Qualitative Research Methods*, 3 s.h.
223. *Analysis of Qualitative Data*, 3 s.h.
- RES 259. *Introduction to Statistical Methods in Educational Research*, 3 s.h.
- 259L. *Computer Laboratory*, 1 s.h.
260. *Inferential Statistics in Educational Research*, 3 s.h.
- 260L. *Computer Laboratory*, 1 s.h.
360. *Internship in Supervision of Reading Instruction*, 6 s.h.
- FDED 200. *Philosophy of Education*, 3 s.h., or any other 3-semester hour 200-level foundations of education course, under advisement.
- EADM 214. *Theories & Practices of Supervision*, 3 s.h.
219. *Patterns of Building Unit Administration*, 3 s.h.
222. *Human Relations in School Personnel Management*, 3 s.h.
231. *School Public Relations*, 3 s.h.
241. *Supervision of Instruction & Curriculum Development*, 3 s.h.
245. *Selected Issues in School Administration*, 3 s.h.
247. *Data Processing for School Administrators*, 3 s.h.
- ELED or SED 207. *Dynamics of Curricular Change*, 3 s.h.
- ELED 227. *Elementary School Curriculum*, 3 s.h., or
236. *Modern Trends in Elementary Education*, 3 s.h., or
- SED 241. *Patterns of Curriculum*, 3 s.h.
- PSY 254. *Psychology of the Exceptional Child*, 3 s.h.
- SPCH 235. *Introduction to Speech-Language-Hearing Disorders*, 3 s.h.
243. *Language Disorders & Learning Disabilities: Kindergarten Through Adulthood*, 3 s.h.
- SPED 201. *The Exceptional Child: Cognitive & Affective Functions*, 3 s.h.
241. *Nature & Needs of Children with Emotional/Behavior Disorders*, 3 s.h.
242. *Psychoeducational Assessment in Special Education*, 3 s.h.
246. *Nature & Needs of Students with Neurological Impairments/Learning Disabilities*, 3 s.h.

Bilingual candidates: students who have completed the M.A. in Bilingualism with a specialization in elementary education are required to take 9 semester hours of special doctoral seminars. Students who have not completed the above degree and specialization are required to take, in addition, bilingual education courses, under advisement.

Advanced Courses

- READ 361. *Research Designs in Reading & Writing*, 3 s.h.
- 362-363. *Seminar in the Evaluation of Research in Reading*, 6 s.h.
601. *Dissertation Seminar*, 3 s.h.

NOTE: a student who has not completed 601, *Dissertation Seminar*, must enroll in 602, *Dissertation Proposal Preparation*, until the dissertation proposal is accepted. The student must then enroll in 604, *Dissertation Advisement*, the following semester and must maintain continuous enrollment in dissertation preparation until the dissertation is completed.

- READ 602. *Dissertation Proposal Preparation*, 3 s.h.
604. *Dissertation Advisement*, 3 s.h.

NOTE: a student must enroll in 604 for 3 s.h. in the first semester and thereafter continue to register in 604 until the dissertation is completed, at which time a minimum of 6 s.h. of credit must be received.

Electives

28 hours from among the following, with possible substitutions of up to 15 credits from liberal arts, under advisement.

- LYST 212. *Ethnicity, Family & Schooling: Implications for Literacy Instruction*, 3 s.h.
- READ 252. *Practicum in Teaching Reading to the Learning Disabled & the Indifferent Learner*, 3 s.h.
260. *Foundations of Reading for Teachers of Bilingual Children & Adolescents*, 3 s.h.
351. *Independent Studies in Reading*, 1-6 s.h.

EARLY CHILDHOOD EMPHASIS

This 18 semester hour concentration is designed for students interested in early childhood education. Required courses for this emphasis are: ELED 270, 271, 272, 273, 274, 275.

Ph.D. PROGRAM IN READING, LANGUAGE, AND COGNITION

The Doctor of Philosophy in Reading, Language, and Cognition program is planned to prepare the following:

- 1) Reading specialists who plan to engage in research, evaluation and experimentation in the field of reading.
- 2) Reading specialists taking leadership positions in clinics.
- 3) Reading specialists who plan to teach and direct research in colleges and universities.
- 4) Personnel for bilingual/bicultural programs in schools, for supervisory positions, research and college testing.

PROGRAM REQUIREMENTS

Basic Courses

- LYST 210. *Introduction to Literacy Studies*, 3 s.h.
213. *Introduction to Bilingual & Biliteracy Instruction for Children & Adolescents*, 3 s.h., or
218. *Reading & Writing Practices in Early & Middle Childhood*, 3 s.h.
214. *Language & Literacy in Early & Middle Childhood*, 3 s.h., or
220. *Literature in the Lives of Young Children*, 3 s.h.
221. *Literature for Adolescents & Young Adults*, 3 s.h.
240. *Assessment & Evaluation of Reading & Writing*, 3 s.h.
241. *Miscue Analysis & Retrospective Miscue Analysis*, 3 s.h.
242. *Literacy Practicum: Assessing the Complexity of Student Learning*, 3 s.h.
245. *Revaluing Struggling Readers*, 3 s.h.
- READ 239. *Psycholinguistic Foundations for Reading & Writing Instruction*, 3 s.h.
240. *The Reading Teacher in the School & Clinic Settings (K-12)*, 4 s.h.

- 249. *Supervision of Reading Programs*, 3 s.h.
- 250. *Practicum in Instructional Strategies & Assessment*, 3 s.h.
- 255. *Psychological Foundations of Reading & Writing Instruction*, 3 s.h.
- 256. *Psycholinguistics, Sociolinguistics, & the Processes of Reading & Writing*, 3 s.h.
- PSY 211. *Intellectual Assessment*, 3 s.h.
- FDED 222. *Qualitative Research Methods*, 3 s.h.
- 223. *Analysis of Qualitative Data*, 3 s.h.
- RES 259. *Introduction to Statistical Methods in Educational Research*, 3 s.h., or equivalent
- 259L. *Computer Laboratory*, 1 s.h.
- 260. *Inferential Statistics in Educational Research*, 3 s.h.
- 260L. *Computer Laboratory*, 1 s.h.
- 363. *Multivariate Analysis & Multidimensional Scaling Methods*, 3 s.h.
- 363L. *Computer Laboratory*, 1 s.h.

Bilingual candidates: students who have completed the M.A. in Bilingualism with a specialization in elementary education are required to take 9 semester hours of special doctoral seminars, under advisement. Students who have not completed the above degree and specialization are required to take, in addition, bilingual education courses, under advisement.

Advanced Courses

- READ 361. *Research Designs in Reading & Writing*, 3 s.h.
- 362-363. *Seminar in the Evaluation of Research in Reading*, 6 s.h.
- 601. *Dissertation Seminar*, 3 s.h.

NOTE: a student who has not completed 601, *Dissertation Seminar*, must enroll in 602, *Dissertation Proposal Preparation*, until the dissertation proposal is accepted. The student must then enroll in 604, *Dissertation Advisement*, the following semester and must maintain continuous enrollment in dissertation preparation until the dissertation is completed.

- READ 602. *Dissertation Proposal Preparation*, 3 s.h.
- 604. *Dissertation Advisement*, 3 s.h.

NOTE: a student must enroll in 604 for 3 s.h. in the first semester and thereafter continue to register in 604 until the dissertation is completed, at which time a minimum of 6 s.h. of credit must be received.

Electives

- LYST 212. *Ethnicity, Family & Schooling: Implications for Literacy Instruction* 3 s.h.
- READ 252. *Practicum in Teaching Reading to the Learning Disabled & the Indifferent Learner*, 3 s.h.
- 351. *Independent Studies in Reading*, 1-6 s.h.
- 360. *Internship in Supervision of Reading Instruction*, 6 s.h.
- FDED 200. *Philosophy of Education*, 3 s.h. or any other 3 semester hour 200-level foundations of education course, under advisement

12 hours of electives, under advisement, from psychology, sociology, anthropology, and other related cognate areas.

12-13 hours from the liberal arts other than psychology, under advisement (not required for bilingual students).

BILINGUAL/BICULTURAL EMPHASES

Students enrolled in the bilingual/bicultural doctoral program will have an adviser in Spanish as well as in Reading. A member of the Spanish faculty will serve on each student's dissertation committee. Adviser in Spanish is Professor Rodriguez.

Required courses in Spanish are SPAN 307, 308, 309 and 9 semester hours of electives selected under advisement.

FOR COURSES IN WRITING, SEE PAGE 419.

COURSES IN READING MAY NOT BE APPLIED TOWARD LIBERAL ARTS CREDIT EXCEPT FOR READ 12. See page 53.

COURSES

In addition to semester notations next to each course, a selection of courses is offered during the January and Summer sessions. Consult the *January* and *Summer Sessions* bulletins for these schedules.

UNDERGRADUATE COURSES

- 11. *Development of College Reading* 3 s.h.
Fall, Spring
Diagnosis of each student's reading abilities followed by a developmental program emphasizing efficient study-reading techniques, vocabulary development, rate and comprehension.
- 12. *Development of College Reading* 3 s.h.
Fall, Spring, Summer
Development of advanced reading power covering both speed and depth of comprehension. Emphasis on writing patterns and analytical and critical evaluation processes in communication. May be applied toward liberal arts credit.

GRADUATE COURSES

- 226. *Language and Literacy* 3 s.h.
Fall, January, Spring, Summer
A study of the relationship between language and literacy development. Topics include: language acquisition and development, classroom discourse, sociocultural variations in language, relationship between language and cognition, and language-based literacy difficulties. Curriculum, as well as instructional strategies and materials promoting language development, are explored. Course emphasizes language assessment. Collection and analysis of language samples required. Fifteen hour field component. (Same as READ 280K.)

- 228. *Writing and Literacy* 3 s.h.
Fall, January, Spring, Summer
A critical and theoretical study of writing development and instructional approaches. Topics include: the reading/writing relationship, components and management of a writing program, sociocultural variations in language, conferencing and modeling strategies, writing assessment and evaluation, personal literacy, writing to learn, genre, and technology in the writing program. Issues in writing instruction include: spelling, standards, self-disclosure in student writing, and authenticity. Fifteen hour field component. (Same as READ 280M.)

- 239. *Psycholinguistic Foundations for Reading and Writing Instruction* 3 s.h.
Fall
Intensive study of the interrelationship of the impressive and expressive functions of language. Present contributions of linguistics, psycholinguistics and sociolinguistics are discussed. Emphasis on strategies related to reading and writing; their interdependence and implementation in the school curriculum; collaborative learning; assessment techniques and research findings. Students are required to engage in a teacher-research project. Prerequisite: LYST 210.

- 240. *The Reading Teacher in the School and Clinic Setting (K-12)* 4 s.h.
Fall, Spring
Participation in the variety of responsibilities required of reading teachers in classroom, clinic and district settings. Presentations and demonstration lessons required. Registration by permission of department. Prerequisites: LYST 214, 218, 240; READ 250. Bilingual students take LYST 213 instead of 218. All but bilingual and reading/special education students must have taken PSY 211. All students must have an interview with the instructor. (Formerly 240-241, *Case Studies in Remedial Reading (K-12)*.)

246. *Practicum in Teaching Secondary Reading* 3 s.h.
Periodically
Application of theory and methodology. Work on specific lesson plans for teaching reading through content fields. Emphasis on interpretive and study skills. Lessons designed by class members are taught in their own instructional settings with feedback in the practicum. Flexibility in lesson planning is encouraged to meet the needs of students from varying linguistic and cultural backgrounds. Prerequisite: LYST 215 or 218; for bilingual majors, LYST 213.
249. *Supervision of Reading Programs* 3 s.h.
Fall
Designed for reading teachers, present and future supervisors and administrators of school reading programs. Discussion of the organization, administration and evaluation of reading programs from a supervisor's point of view.
250. *Practicum in Instructional Strategies and Assessment* 3 s.h.
Fall, Spring, Summer
The application of assessment and evaluation theory to classroom and clinical situations. Emphasis on appropriate instructional strategies and techniques for children, adolescents, and adults with reading and writing difficulties, including those from differing cultural and linguistic backgrounds. Prerequisite: LYST 240. This course should be taken the semester immediately following LYST 240. There is a fee for testing materials. (Formerly *Practicum in Remedial Treatment Techniques*.)
252. *Practicum in Teaching Reading to the Learning Disabled and the Indifferent Learner* 3 s.h.
Spring
Demonstration and practice of the diagnostic and remedial techniques used to improve reading cognitively and affectively are the primary focuses of this practicum. Relationship of CASIL to language experience approaches, Orton-Gillingham and Fernald is covered.
255. *Psychological Foundations of Reading and Writing Instruction* 3 s.h.
Fall
Designed to acquaint students with the psychological foundations of the reading and writing processes. The interrelationship of learning theory and personality factors and their application to reading and writing instruction are stressed. The multidisciplinary nature of research into the reading, writing and thinking processes is noted. (Formerly *Psychological Foundations of Reading Instruction*.)
256. *Psycholinguistics, Sociolinguistics, and the Processes of Reading and Writing* 3 s.h.
Spring
The structure of language and the application of linguistic, psycholinguistic and sociolinguistic principles in reading instruction. Special attention to the needs of bilingual learners from bicultural backgrounds and students who speak dialects of English different from standard. Relates psycholinguistics and sociolinguistics to the learner, the nature of materials, purposes, the instructional setting and the instructor, models of reading and writing are highlighted. Prerequisites: LYST 210, READ 239, RES 259, 259L, 260, 260L, FDED 222, 223. Pass/Fail grade only.
260. *Foundations of Reading for Teachers of Bilingual Children and Adolescents* 3 s.h.
Periodically
Review of the literature on bilingualism and reading, including research studies from language acquisition and development, literature for children, linguistics, psycholinguistics and sociolinguistics.
266. *The Administrator and the Reading Program* 3 s.h.
Summer
Designed to help the administrator understand all aspects of the school reading program from kindergarten through high school.
- The course will include such topics as reading theory and practice, description of various reading programs (developmental, corrective and remedial), new approaches to reading instruction, relationships with reading staff members, community relationships and knowledge of materials. For advanced students in educational administration and doctoral candidates in Clinical and School Psychology Program.
275. *Literacy in Early Childhood Education* 3 s.h.
Once a year
Same as ELED 275. Prerequisite: one graduate course in the teaching of reading is recommended.
301. *Master's Thesis* 3 s.h.
Fall, Spring, Summer
For M.A. candidates only. (Formerly *Master's Essay*.)
351. *Independent Studies in Reading* 1-6 s.h.
Fall, January, Spring, Summer
Individual investigation and exploration of related research in the areas of the student's special interests and/or dissertation topic. Prerequisite: permission of adviser.
360. *Internship in Supervision of Reading Instruction* 6 s.h.
Periodically
Fieldwork in supervision and administration of reading programs in the public schools. Periodic seminars on field experiences and exploration of possible solutions to problems. This internship is designed to prepare reading specialists for certification as building or district reading supervisors or coordinators. It is not intended for those seeking certification to qualify as building principals, district supervising principals or superintendents. These candidates should enroll for EADM 310, 311, or 312, *Administrative Internship*. Prerequisites: master's in reading and permission of instructor.
361. *Research Designs in Reading and Writing* 3 s.h.
Summer
A discussion of a variety of research designs related to reading and writing processes. Procedures appropriate to the design are also considered. Open to advanced doctoral candidates only. Prerequisites: READ 256, RES 259, 259L, 260, 260L, FDED 222, 223. Pass/Fail grade only. (Formerly *Experimental Research Designs in Reading*.)
- 362-363. *Seminar: Evaluation of Research in Reading* 3 s.h. each
362: Fall; 363: Spring
This two-semester course acquaints doctoral students with the basic studies related to reading and writing instruction. During the first semester, emphasis on studies, theories, and models of reading and writing emphasizing the disciplines of linguistics, psycholinguistics, and sociolinguistics as well as sociology and anthropology. During the second semester, reading and writing studies, theories, and models grounded in psychology and physiology are stressed along with studies related to curriculum and instruction. Across both semesters, students study and evaluate a variety of classic and contemporary research reports. Students are responsible for developing the related literature for their own dissertation topics. Prerequisite: READ 361. Pass/Fail grade only.
365. *Internship: College Teaching of Reading and Writing* 3 s.h.
Fall, Spring
Designed for doctoral or post-master's candidates who are teaching or intend to teach at the college level. Students work closely with a senior professor in the planning of classroom instruction at both the undergraduate and graduate levels. The needs of adult learners and techniques for motivating and teaching these students are emphasized. Prerequisite: permission of instructor. Pass/Fail grade only.
601. *Dissertation Seminar* 3 s.h.
Fall
Clarification and structuring of a dissertation topic as a research undertaking. Presentation, analysis and critique of participant's

research outlines leading to departmental acceptance of the research proposal. Orientation to dissertation organization and writing format. Prerequisites: READ 362-363. Pass/Fail grade only.

602. *Dissertation Proposal Preparation* 3 s.h.
Fall, Spring, Summer

For students whose dissertation proposals have not been approved in 601. Registration in 602 is continuous until the proposal is accepted. No degree credit granted for 602.

604. *Dissertation Advise ment* 3 s.h.
Fall, Spring, Summer

Doctoral candidates enroll in 604 upon departmental acceptance of the dissertation proposal. Registration in 604 is continuous until the dissertation is accepted.

A student must enroll in 604 for 3 s.h. in the first semester and continue to register in 604 until the dissertation is completed, at which time a minimum of 6 s.h. of credit must be received.

Students do not have to register during the summer unless the dissertation is completed during the summer. They register each semester until the dissertation is completed and they have successfully defended their proposal.

Rehabilitation Counseling (REHB)

CENTER FOR SPECIAL EDUCATION AND REHABILITATION, See Page 23.

Administered by the Department of Counseling, Research, Special Education, and Rehabilitation. Associate Professor Wong, *Chairperson*

Associate Professor Lechowicz, *Program Director*

MASTER OF SCIENCE IN EDUCATION

The Master of Science in Education in Rehabilitation Counseling is designed to train students as professional counselors to understand the physical, psychosocial and economic needs of persons with disabilities and to assist them toward vocational and psychological independence, including appropriate employment and independent living and functioning. The program also includes specialty courses by which students prepare for working in psychiatric and deafness rehabilitation settings. Graduates work in a variety of rehabilitation settings including state-federal rehabilitation agencies, medical centers, rehabilitation facilities, Veteran's Administration hospitals, substance abuse programs, mental health centers, independent living programs, insurance companies, allied health facilities and private practice—48-54 s.h. program.

Prospective students with baccalaureate degrees can complete the comprehensive curriculum in two academic years. Acceleration is possible with the approved transfer of a maximum of 12 appropriate course credits. Part-time and nonmatriculated students, as well as those preparing for related professions, are accepted. The program is fully accredited by the Council on Rehabilitation Education and advanced students are eligible for certification as Certified Rehabilitation Counselors (CRC).

Extensive fieldwork is an essential component of the academic training program. A number of rehabilitation facilities in the Long Island and New York Metropolitan areas provide prepracticum, practicum, and internship experiences and training.

NOTE: National Rehabilitation Association or American Counseling Association sponsored Liability Insurance is strongly recommended for internship students. This insurance provides coverage while performing professional duties as a rehabilitation counselor in training. Information may be obtained from the Director of the Rehabilitation Counseling Program.

The program has an outstanding record of graduates employed in the field; job placement and in-service education of graduates are actively promoted by the faculty. Application to the program is made through the Graduate Admissions Office, Admissions Center.

ADMISSION REQUIREMENTS

1. completion, with an acceptable grade-point average, of a bachelor's degree at an accredited institution;
2. personal interview with department member;
3. educational and professional references (four);
4. voluntary or paid work experience in rehabilitation or with individuals with handicaps preferred;
5. statement of career goals.

PROGRAM ADVISEMENT

All matriculated students are required to meet with a departmental faculty adviser and complete a Graduate Student Advisement Record following admission to the Program.

A student may apply to the Program Coordinator for modification of his or her program to 42 credits if either of the following is satisfied:

- a. The student can verify that he/she is working as a "rehabilitation counselor"; or
- b. The student possesses an undergraduate major in "Rehabilitation Services" of 24 semester hours or more from an accredited college/university.

Prerequisite Requirements: 6 s.h.

Two courses from the following areas may be taken concurrently with beginning level courses or may have been taken as part of undergraduate work. Prerequisite courses do not carry degree credit for this program.

- a. personality theory
- b. abnormal psychology
- c. statistics

Area 1. Rehabilitation Core Courses: 30 s.h.

REHB 228. *Review, Exploration & Assessment of Rehabilitation Resources I*, 3 s.h., or

229. *Review, Exploration & Assessment of Rehabilitation Resources II*, 3 s.h.

230. *Philosophy & Principles of Vocational Rehabilitation*, 3 s.h.

231. *Techniques & Theories in Rehabilitation Counseling*, 3 s.h.

232. *Medical Information in Rehabilitation*, 3 s.h.

233. *Job Placement & Development in Rehabilitation*, 3 s.h.

236. *Practicum: Rehabilitation Counseling*, 3 s.h.

242. *Psychoeducational Assessment in Rehabilitation*, 3 s.h. or

243. *Vocational Evaluation Techniques*, 3 s.h.

268. *Occupational Information & Vocational Analysis in Rehabilitation*, 3 s.h.

SPED 249. *Nature & Needs of Individuals With Physical Impairments: Psychology of Persons with Disabilities*, 3 s.h. or

REHB 267. *Rehabilitation Counseling for Persons with Severe Disability*, 3 s.h.

COUN 203. *Introduction to Counseling*, 3 s.h.

Area 2. Internship: 12 s.h.

REHB 234-235. *Internship: Rehabilitation Counseling I & II*, 6 s.h. each

Area 3. Electives, under advisement: 6 s.h.

Area 4. Written comprehensive examination (no credit) or oral examination by a screening committee of departmental members and consultants (no credit). Substitution for some courses may be made with permission.

PROFESSIONAL DIPLOMA IN REHABILITATION ADMINISTRATION

This 24 semester hour course of study beyond the master's degree (or its equivalent) in an approved discipline leads to the

Professional Diploma in Rehabilitation Administration. It is intended for rehabilitation counselors, job developers, case managers, vocational evaluators, facility and agency supervisors, and others preparing them for the development or management of rehabilitation counseling services. The program described below is tailored to meet the present administrative needs of veteran rehabilitation counseling professionals and complement their previous experiences.

Admission Requirements

1. a master's degree in rehabilitation counseling or other related disciplines such as counseling, education, psychology;
2. possess certification as Rehabilitation Counselor (CRC) or eligibility for CRC;
3. a minimum grade point average of 3.0 for graduate work;
4. personal interview with faculty adviser;
5. a detailed resume including related professional experience;
6. three letters of recommendation, including one from an employer or mentor, stating a willingness to sponsor a rehabilitation administration practicum/internship experience.

Prerequisite Requirements:

MGT 201C. *Operations, Technology & Quality Management*, 3 s.h.

Competency in: Computer Applications
Library Resource Usage

A. Required: 15 s.h.

MGT 202. *Innovative Management of Contemporary Organizations*, 3 s.h.

205. *Current Problems in Managing Nonprofit Organizations*, 3 s.h.

REHB 335 A&B. *Case Studies & Issues in Rehabilitation Administration*, 1½ s.h. each

336. *Practicum: Rehabilitation Administration*, 3 s.h.

RES 387. *Skills in Funding & Proposal Development: Government, Foundation & Corporate*, 3 s.h.

B. General Management Core or Health Related Agency Management Core

General Management Core: 9 s.h.

3 s.h. from the following:

ACCT 201. *Financial Accounting & Reporting*

MKT 250. *Healthcare Marketing*

6 s.h. from the following:

MGT 208. *Training & Development*

210. *Human Resources Management*

216. *Strategic Planning*

217. *Developing Leadership & Communication Skills*

274. *Labor Relations & the Law*

Health Related Agency Management Core: 9 s.h.

MHAE 259. *Introduction to the American Healthcare System*

260. *Health Services Policy & Management*

3 s.h. from the following:

MHAE 264. *Economic Dimensions in Health Services Delivery Systems*

256A. *Legal & Ethical Issues in Healthcare Administration*

253. *Health Services: Quality Assurance, Risk Management & Program Evaluation*

272. *Ambulatory Care Management I*

255. *Managed Healthcare Systems: PPO, HMO & AD*

APS 245. *Legal Aspects of Managing Healthcare Programs for the Aging*

See complete graduate information, page 73.

SPECIALIZATION

REHABILITATION COUNSELING OF PERSONS WITH PSYCHIATRIC DISABILITIES

This 30 s.h. specialization is designed for students enrolled in the Rehabilitation Counseling master's degree program who wish to concentrate their service delivery and career efforts toward persons with psychiatric disabilities. This specialization is integrated into the 48-54 s.h. master's degree in Rehabilitation Counseling.

Concentration Requirements

REHB 229. *Review, Exploration & Assessment of Rehabilitation Resources*, 3 s.h. (for persons with psychiatric disabilities)

253. *Rehabilitation Approaches for Persons with Severe Mental Illness*, 3 s.h.

236. *Practicum: Rehabilitation Counseling*, 3 s.h. (in a psychiatric setting)

243. *Vocational Evaluation Techniques*, 3 s.h. (in a psychiatric setting)

234. *Internship: Rehabilitation Counseling I*, 6 s.h. (in a psychiatric setting)

233. *Job Placement & Development in Rehabilitation*, 3 s.h. (in psychiatric rehabilitation)

235. *Internship: Rehabilitation Counseling II*, 6 s.h. (in a psychiatric setting)

259. *Medical Characteristics in Psychiatric Rehabilitation*, 3 s.h.

See complete graduate information, page 73.

COURSES

In addition to semester notations next to each course, a selection of courses is offered during the January and Summer sessions. Consult the *January* and *Summer Sessions* bulletins for these schedules.

Undergraduate option: one undergraduate elective is available, REHB 175. All other rehabilitation counseling courses are open to undergraduates with permission of the Program Director.

175. *Rehabilitative Services: An Introduction* 3 s.h.
Periodically

Overview of rehabilitation services including philosophy, principles and structure of the rehabilitation process. Impact of disability from a psychological, social and vocational point of view. Academic study is augmented with field trips to various rehabilitation facilities in the Long Island area.

180 through 189, A-Z. *Workshops* 1-3 s.h. each
Periodically

Designed to meet the needs of specific groups of students or rehabilitation counselors from individual agencies.

As individual subjects are selected each is assigned a letter (A-Z) and added to the course number. Any course may be taken a number of times so long as there is a different letter designation each time it is taken.

191. *American Sign Language I* 3 s.h.
Fall, Spring

Introduction to American Sign Language (ASL), including the semantic, grammatical, and syntactic components of the language as it is used by members of the deaf community. Interactive learning techniques in the classroom are supplemented by field visits and outside reading to enhance student skills in work with deaf individuals as well as people with autism or mental retardation who use sign language. Emphasis is placed on communication skills in educational, therapeutic and rehabilitation settings.

192. *American Sign Language II* 3 s.h.
Fall, Spring

Advanced instruction in American Sign Language (ASL), with emphasis on semantic, grammatical, and syntactic components

of the language as it is used by members of the deaf community. Interactive learning techniques stressing receptive ASL skills, deaf culture expectations on behavior, and field trips to apply skills in a variety of educational, therapeutic and rehabilitation settings with individuals who are deaf, autistic or mentally retarded and who use sign language. Prerequisite: REHB 191 or equivalent.

228, 229. *Review, Exploration and Assessment of Rehabilitation Resources* 3 s.h. each

Fall
An examination and assessment, through sustained visitation and analytical observation, of the structure, functioning and continuing programs of a variety of rehabilitation agencies. Presentations by agency staff members and periodic on-campus orientation, interpretation and evaluation seminars.

230. *Philosophy and Principles of Vocational Rehabilitation* 3 s.h.

Fall, Spring
Review of the historical background of the movement for vocational rehabilitation including history, philosophy, and principles. A study of programs on local, state and federal levels; the interdisciplinary nature of vocational rehabilitation. Interrelationship between vocational rehabilitation and private and public agencies and rehabilitation centers.

231. *Techniques and Theories in Rehabilitation Counseling* 3 s.h.

Spring
Discussion of the role of the rehabilitation counselor including techniques involved in counseling and the rehabilitation process: case finding, client interviewing and evaluation of behavior, the development, formulation and implementation of individualized rehabilitation plans, referral and advocacy. Study of research literature.

232. *Medical Information in Rehabilitation* 3 s.h.

Fall
Study of medical evaluation of persons with disabilities: medical description and terminology as well as therapies. Impact and implications of diseases and disabilities upon the individual. Interpretation and application of medical information in the rehabilitation process.

233. *Job Placement and Development in Rehabilitation* 3 s.h.

Fall, Spring
Community attitudes and vocational placement factors for persons with disabilities. Selective placement and job development for specific disabling conditions such as chronic mental illness, neurological disability, mental retardation, amputations, hearing and visual handicaps, traumatic brain injury, AIDS. Students participate in practical situations and perform job placement and development in a fieldwork setting. Prerequisite: REHB 268.

234-235. *Internship: Rehabilitation Counseling I and II* 6 s.h. each

Fall, Spring
Observation and participation in the delivery of services in one or more comprehensive rehabilitation agencies, either voluntary, public or private. Placement is made with adviser's approval and according to the student's needs. Students are under supervision of both the agency and the University; they meet biweekly in seminar to review internship experiences as well as administrative planning and professional development issues. A minimum of 300 clock hours is required for each semester, totaling a minimum of 600 clock hours. Prerequisites: REHB 236 and permission of adviser. Pass/Fail grade only.

236. *Practicum: Rehabilitation Counseling* 3 s.h.

Fall, Spring
Students practice personal and vocational counseling skills in a rehabilitation counseling setting. Experiences include case management, observations, readiness assessment, effective problem solving, and goal development and supervision. Legal and ethical

issues are discussed. A minimum of 100 clock hours of practicum experiences are required. Prerequisites: REHB 229, 230.

239. *Placement Practice in Transitional, Supported, or Competitive Employment* 3 s.h.

Spring
Placement practice and models and the values associated with responsive and quality employment programs. Different vocational arrangements are utilized to illustrate strengths and weaknesses of each model. Students skills in job development, job market screening, making employer contacts, and job analysis with respect to young people with disabilities. Prerequisite: SPED 206 or REHB 268.

240. *Independent Living Rehabilitation* 3 s.h.

Periodically
This course presents different perspectives on Independent Living Rehabilitation (ILR), a consumer-driven movement stressing client decision making. Course emphasizes key IL services, services including skills of daily living, advocacy for housing, advocacy for transportation, client advocacy, peer counseling, and attendant care management. Consistent with the movement's ideals, the course teaches prospective counselors how to enhance the client's control of the decision-making process. Prerequisite: REHB 230.

242. *Psychoeducational Assessment in Rehabilitation* 3 s.h.

Spring
The construction, use and interpretation of clinical and psychoeducational measuring instruments and evaluation techniques for the assessment of persons in programs for individuals with mental, emotional, physical/learning handicaps. Basic descriptive statistics and the diagnostic-remediation process are examined with emphasis on individual and group assessment. There is a material fee of \$15.

243. *Vocational Evaluation Techniques* 3 s.h.

Spring
Provides students with skills, competencies, attitudes and approaches to evaluate and assess the vocational potential of persons with severe disabilities. There is a material fee of \$15. Prerequisite: REHB 242 or permission of adviser.

251, 252. *Individual Study* 1-3 s.h. each

Fall, Spring, January, Summer
Independent project in the field of rehabilitation, or directed special study in the student's area of interest, or professional need as approved by the major adviser. Progress reports and periodic conferences are required as well as a final report of the study. Prerequisite: permission of adviser.

253. *Rehabilitation Approaches for Persons with Severe Mental Illness* 3 s.h.

Fall
Designed to provide a working knowledge of the various aspects in the delivery of services to persons with severe mental illness. Students investigate such areas as classification and symptoms of various psychiatric illnesses, current concepts and rehabilitation treatment trends, legal issues of deinstitutionalization, specific work assessment techniques, placement options and vocational counseling approaches as applied to this population. In-depth analysis of relevant literature and research is examined.

254. *Rehabilitation Techniques for Persons with Developmental Disabilities and Mental Retardation* 3 s.h.

Periodically
Focus on psychosocial and vocational adjustment implications, normalization and legal issues, behavioral strategies and vocational counseling techniques for persons with developmental disabilities and mental retardation. An analysis of relevant research and literature is included.

259. *Medical Characteristics in Psychiatric Rehabilitation* 3 s.h.

Spring
Study of medical aspects of psychiatric rehabilitation; medical description of persons with psychiatric disabilities; use of psycho-

- pharmacology. Implications of psychoses, affective and other psychiatric disorders in rehabilitation; discussion of organically based mental disorders as well as specialized populations such as dual diagnosed and older persons, and adolescents with mental illnesses.
267. *Rehabilitation Counseling for Persons with Severe Disability* 3 s.h.
Spring
Emphasizes specific disabilities such as mental retardation, chronic mental disability, learning disability or substance abuse. Includes an examination of physical, intellectual and emotional impairments which severely limit sensory function, communication, mobility, self-care or self-direction. Problems address vocational selection and placement, transportation, household management, impact on the family and sexual adjustment. The use of assistive devices and special resources are considered along with the specialized knowledge and rehabilitation techniques needed to deal with these problems. Prerequisite: REHB 230.
268. *Occupational Information and Vocational Analysis in Rehabilitation* 3 s.h.
Fall, Spring
The vocational and occupational choice from the psychosocial point of view. The vocational structure of society, the world of work, occupational skills, entry requirements and physical and emotional demands. Practice in the use of occupational information including job analysis. Emphasis on collection, evaluation and use of various sources of occupational information relevant to rehabilitation counseling, job placement, job modification and re-engineering of disabled populations.
269. *Sexuality and Disability* 3 s.h.
Periodically
Designed to provide rehabilitation counselors, special educators, and others working with persons with disabilities, an awareness of the salient issues related to sexuality and disability. Provide informational and therapeutic sources which can be utilized to address these issues. A comprehensive approach to human sexuality and its ramifications for individuals with disabilities are emphasized throughout the course.
- 280 through 289, A-Z. *Workshops* 1-4 s.h. each
Periodically
Designed to meet the needs of specific groups of students or educators.
As individual subjects are selected, each is assigned a letter (A-Z) and added to the course number. Any course may be taken a number of times so long as there is a different letter designation each time it is taken.
290. *Deafness Rehabilitation* 3 s.h.
Periodically
Designed for specialists working in the helping professions. Comprehensive overview of the field of deafness and its implications in educational, medical and rehabilitative settings. Topics such as audiological, medical, psychological, vocational and communicative aspects of hearing impairments are discussed.
291. *Sign Language I* 3 s.h.
Fall, Spring
Designed for specialists working in the helping professions. The development of basic sign-language skills to communicate with the hearing impaired. Emphasis is on communicating with the deaf in educational and rehabilitative settings.
292. *Sign Language II* 3 s.h.
Fall, Spring
Designed for specialists working in the helping professions. The development of advanced sign-language skills in order to communicate with the hearing impaired. Emphasis is on American Sign Language (ASL) and its use in communicating with the deaf in educational and rehabilitative settings. Prerequisite: REHB 291. (Formerly SPED.)
314. *Practicum: College Teaching and Field Setting* 3 s.h.
Periodically
Students receive practical experiences as teachers and/or research assistants in higher education; as apprentices to teacher education consultants or program managers and supervisors in schools, and rehabilitation agencies; as assistants to student teacher supervisors in teacher education programs; as senior counselors supervising interns. Critical reviews of students performance are made by faculty and peers through seminar discussions and on-site supervision. Prerequisites: REHB 353, 355 and permission of adviser. Pass/Fail grade only. Same as SPED 314.
- 335A & 335B. *Case Studies and Issues in Rehabilitation Administration* 1½ s.h. each
Fall, Spring
Development of projects from a rehabilitation administrative and management perspective and systematic presentation of professional issues. Students relate their rehabilitation counseling experiences to the agency supervisory world in an attempt to understand how various forces shape a rehabilitation agency. Competencies are developed through case studies, lecture/discussion of professional issues, individual and team presentations and substantive readings. Open only to matriculated students with permission of the program coordinator.
336. *Practicum: Rehabilitation Administration* 3 s.h.
Once a year
Students practice management related skills in a rehabilitation counseling administration setting. Experiences include program planning and managing, budgeting, personnel training, staff supervision and evaluation, program evaluation, contract review, and marketing. Other rehabilitation related topics are also reviewed including health services and systems related to rehabilitation. A minimum of 150 clock hours of practicum experiences are required. Prerequisites: REHB 234 and permission of program coordinator.
350. *Evaluation of Rehabilitation Research Literature* 3 s.h.
Periodically
Reading and reviewing of articles in recent issues of rehabilitation and related journals. Emphasis on the quality of the research and the implications of each article for rehabilitation practice. Discussion of articles relating to aspects of professional education and practice, including performance assessments, the use of paraprofessionals and the impact of government upon rehabilitation. Prerequisites: Master's-level courses and permission of adviser.
351. *Rehabilitation Research Design* 3 s.h.
Periodically
Emphasis is to familiarize students with research designs and the problems in rehabilitation meriting further study; and to evaluate individual studies and broad areas of investigation toward preparation for work on a dissertation. This course must be passed prior to acceptance in 601. Prerequisite: REHB 350.
353. *Advanced Group Work in Rehabilitation* 3 s.h.
Periodically
Group work theory with emphasis on techniques and application with individuals of various handicapping conditions such as persons with mental illness, mental retardation or brain injury, etc. Includes hands-on group practice with opportunities for practicum experiences in diverse rehabilitation settings. Prerequisites: COUN 277 or equivalent and permission of adviser.
355. *Vocational Development in Rehabilitation* 3 s.h.
Periodically
Examines the meaning of work in contemporary society for persons with disabilities; vocational development concept formulations, decision-making processes and strategies; the importance of job analysis and placement with special populations; the use of industry labor councils and Projects with Industry; career infor-

mation for assisting individuals with disability in developing goals and life plans. Prerequisites: REHB 268 and permission of adviser.

360. *Internship III: Rehabilitation Counseling* 6 s.h.
Periodically
Full or part-time field experience designed to further the student's professional competency to a more advanced level. Students are expected to practice rehabilitation counseling as counselor, manager or coordinator in rehabilitation programs or supervisor of counselors. The minimum clock hours required are determined with the adviser and according to the student's past experience and career needs. Prerequisites: REHB 235 or equivalent and permission of adviser. Pass/Fail grade only.

Religious Studies (RELI)

Administered by the Department of Philosophy. Associate Professor Dardis, *Chairperson*

MINOR IN RELIGIOUS STUDIES is an interdisciplinary program dealing with the nature of religion and its scholarly study. The minor consists of 18 semester hours chosen from among the courses listed below, at least six hours of which must be from among the philosophy offerings. At least six credits must be taken in residence.

The minor in religious studies should be planned with an adviser in order to adapt it to the needs, abilities and preferences of the individual student. Students who contemplate graduate study in religion or professional study in seminary or Rabbinical school after graduation, are especially encouraged to consult with the program adviser early in their undergraduate careers. Associate Professor of Philosophy Frisina, *Adviser*

- ANTH 3. *The Primitive World & Its Transformations* #, 3 s.h.
- AH 116. *Religion in Cross-Cultural Perspective* #, 3 s.h.
- AH 114. *Tribal Arts*, 3 s.h.
- AH 118. *Pre-Islamic & Islamic Art*, 3 s.h.
- AH 165. *Asian Art*, 3 s.h.
- CLL 39. *Mythologies & Literature of the Ancient World* #, 3 s.h.
- CLL 40. *Literature of the Emerging Europe* #, 3 s.h.
- HIST 131. *Comparative Mythology*, 3 s.h.
- HIST 7C. *Jesus of Nazareth*, 1 s.h.
- HIST 31. *Jewish History from the Patriarchal Period to the Age of Emancipation*, 3 s.h.
- HIST 120. *Reformation Europe, from Luther to Richelieu*, 3 s.h.
- JW ST 128, 129. *Christian Churches from the New Testament Era to the Present*, 3 s.h. each
- JW ST 10. *The Bible: Ancient & Modern Perspectives* #, 3 s.h.
- JW ST 13, 14. *The Bible & Its Interpretation Through the Ages*, 3 s.h. each
- JW ST 15, 16. *Foundations of Jewish Tradition & Culture*, 3 s.h. each
- PHI 19. *Post-Biblical Literature*, 3 s.h.
- PHI 30. "God", 3 s.h.
- PHI 102. *Mysticism & the Spiritual Quest* #, 3 s.h.
- PHI 103. *Life, Death & Immortality* #, 3 s.h.
- PHI 111. *Philosophy & the Holocaust* #, 3 s.h.
- PHI 163. *Philosophy of Religion* #, 3 s.h.
- RELI 12. *Introduction to Western Religious Traditions* #, 3 s.h.
- RELI 15. *Introduction to Eastern Religious Traditions* #, 3 s.h.
- RELI 50. *Islam* #, 3 s.h.
- RELI 75. *Mysticism & the Spiritual Quest* #, 3 s.h.
- RELI 80. *Life, Death & Immortality* #, 3 s.h.
- RELI 100. *Modern Religious Thought* #, 3 s.h.
- RELI 150. *Approaches to the Study of Religion*, 3 s.h.
- SOC 105. *Religion & Society*, 3 s.h.

COURSES

These courses are sometimes offered during the January and Summer sessions. Consult the *January* and *Summer Sessions* bulletins for these schedules.

- 12. *Introduction to Western Religious Traditions* # 3 s.h.
Once a year
Survey course concentrating on Judaism, Christianity and Islam. Students compare various forms of myth, ritual and sacred scripture, and analyze the structure of religious community and experience. (Formerly PHIL 61.)
- 15. *Introduction to Eastern Religious Traditions* # 3 s.h.
Once a year
Survey course concentrating on Indian, Hindu and Buddhist traditions, with some attention to the religions of China and Japan. Emphasis on tracing two basic lines of Eastern religious behavior and thought: sectarian and folk devotionalism, and the elite philosophical and meditational traditions. (Formerly PHIL 60.)
- 50. *Islam* # 3 s.h.
See course description, page 428.
- 75. *Mysticism and the Spiritual Quest* # 3 s.h.
Periodically
Mysticism is traditionally defined as the yearning for direct connection to a transcendent reality and is referred to as the esoteric dimension of religious search. Though evident as a global phenomenon, mystical traditions most notably developed in the monotheistic faiths of Judaism, Christianity and Islam, as well as in the many religious traditions of India, China, Japan and ancient Greece. A cross-cultural exploration of the meanings, definitions, practices and common themes of mysticism via a study of original texts (in translation) from different parts of the world. Same as PHI 102. Credit given for this course or PHI 102, not both. (Formerly PHIL 69.)
- 80. *Life, Death and Immortality* # 3 s.h.
See course description, page 428.
- 85. *Comparative Religious Ethics* # 3 s.h.
See course description, page 428.
- 100. *Modern Religious Thought* # 3 s.h.
Periodically
Development of modern religious thought from Hume to the present. Attention given to such topics as: religion as morality (Kant); as subjectivity (Schleiermacher, Kierkegaard); as related to nature (Whitehead); as related to history (R. Niebuhr); and as reflected in American Naturalism (Santayana, Dewey). Course is introduced by a survey of some of the factors that undermined religious authority in the 18th century. Recurrent motif of the course is the relationship between modern religious thought and the history of modern philosophy. Prerequisite: PHI 10 or RELI 12 or permission of instructor. (Formerly PHIL 126.)
- 140. *Special Topics in Religion* 3 s.h.
See course description, page 428.
- 150. *Approaches to the Study of Religion* 3 s.h.
Periodically
Examination of basic methodological issues and problems in the cross-cultural study of religion. Discussion of theories of religion from several points of view, e.g., sociological, psychological, anthropological and structuralist. Attention given to such philosophical problems associated with cross-cultural study as the nature of reality, the relativity of knowledge and belief, the nature

#Core course

of interpretation, functionalism and the explanation of human behavior. (Formerly PHIL 62; PHIL 62A.)

191. *Independent Study in Religious Studies* 1-3 s.h.
See course description, page 428.

Research (RES)

Administered by the Department of Counseling, Research, Special Education, and Rehabilitation. Associate Professor Wong, *Chairperson*

Professor Gellman, *Program Coordinator*

MASTER OF SCIENCE IN EDUCATION IN PROGRAM EVALUATION

This program is designed to prepare qualified program evaluators for educational and social agencies interested in evaluating their ongoing programs as well as funded projects. Prospective students are expected to come from social and educational institutions where there is a continuing need for program evaluation.

ADMISSION REQUIREMENTS

Application for admission is made to the Graduate Admissions Office in the Admissions Center. Candidates must meet the following admission requirements:

1. hold a bachelor's degree from an accredited institution;
2. scores on the Graduate Record Examination (GRE) of 500 Verbal and 600 Quantitative;
3. undergraduate grade-point average of 2.7 and/or graduate grade-point average of 3.0;
4. high level of interest in the program determined by:
 - a) personal essay
 - b) two letters of recommendation
 - c) admission interview results
5. ability to accept responsibility for locating a program to be evaluated for the Master of Science thesis requirement.

PROGRAM REQUIREMENTS

The completion of the 31 semester hours listed below and a thesis, for which the student will conduct a supervised evaluation of an existing program.

	<i>Sem. Hrs.</i>
RES 240. <i>Measurement & Evaluation in Education</i>	3
243. <i>Development of Educational Research Instruments</i>	3
259, 259L. <i>Introduction to Statistical Methods in Educational Research & Computer Laboratory</i>	4
260, 260L. <i>Inferential Statistics in Educational Research & Computer Laboratory</i>	4
347. <i>Theory & Models of Program Evaluation Research</i>	3
363-364, 363L, 364L. <i>Multivariate Analysis & Multidimensional Scaling Methods; Computer Laboratory</i>	8
381. <i>Research Methods in Education</i>	3
386. <i>Advanced Research Design</i>	3
	31

Thesis: a student must be enrolled in either RES 301 or 302 (*Master's Thesis Seminar I & II*) during each semester in which the student is receiving supervision on the evaluation to be submitted in fulfillment of the master's thesis requirement.

See complete graduate information, page 73.

COURSES

In addition to semester notations next to each course, several courses are offered during January and Summer sessions. Consult the *January* and *Summer Sessions* bulletins for these schedules.

119. *Introduction to Research and Writing in Health* 3 s.h.
Once a year

Concepts and methodology in modern scientific inquiry leading to writing skills in the field of health research. Strategies in reading and interpreting the professional literature as preliminaries for the communication of research ideas and findings in this domain.

124. *Introduction to Grant Funding and Proposal Development in the Field of Health* 3 s.h.
Once a year

Introduction to the principles of grant proposal preparation and the identification of funding sources. Strategies in performing needs assessments and seeking program funding as preliminaries to proposal development in the field of health.

240. *Measurement and Evaluation in Education* 3 s.h.
Fall, Spring

Consideration of basic issues in educational measurement and evaluation. Topics include selection and evaluation of measurement techniques and instruments, tests, observations, checklists and anecdotal records. Emphasis on score interpretation and the role of measurement in educational decision making.

241. *Testing and Evaluation of Bilingual Students* 3 s.h.
Periodically

Consideration of basic issues in educational measurement and evaluation as they relate to programs designed for bilingual students. Emphasis on selection, evaluation and interpretation of measurement techniques and construction of teacher-made tests, which allow for cultural differences. Considers the role of measurement in educational decision making for bilingual students. (Formerly *Testing and Evaluation for Bilingual Education*.)

243. *Development of Educational Research Instruments* 3 s.h.
Spring

Construction and analysis of educational measurement and research instruments. Focus is on technical issues of reliability and validity as well as data collection and analysis problems associated with each type of instrument. Practical experience is combined with consideration of different theoretical approaches to measurement. Includes observation techniques, attitude scales, questionnaires, structured interviews and tests. Prerequisites: RES 240, 259.

245. *Diagnosis of Student Behavior in the Classroom* 3 s.h.
Periodically

Study of techniques in establishing performance criteria, diagnosing student behavior in the classroom in the cognitive, affective and psychomotor domains. Techniques for observation and evaluation through simulation. Prerequisite: RES 240.

257. *Epidemiological Research* 3 s.h.
Fall, Spring

This course covers the concepts and methods of epidemiological research as applied to a variety of health events and problems and to the delivery of health services.

258. *Understanding Research Methodology* 3 s.h.
Fall, Spring

An overview of research methodology for the consumer of educational and health-related research. Basic concepts in statistics, measurement and research are interrelated and applied to

- reading and critiquing research articles in substantive areas of education and health.
259. *Introduction to Statistical Methods in Educational Research* 3 s.h.
Fall
First in a four-semester sequence of statistics courses for persons preparing to do educational research. Covers methods of graphic and tabular presentation of data, measures of central tendency and dispersion, the normal curve, score transformations, correlation, linear regression, hypothesis-testing, chi-square, t-tests, and one-way analysis of variance. Emphasis on the use of the above techniques in educational research.
- 259L. *Computer Laboratory* 1 s.h.
Fall
Group or individual instruction on the use of computer facilities in coordination with 259.
260. *Inferential Statistics in Educational Research* 3 s.h.
Spring
Application of parametric and nonparametric tests to educational research. Chi-square and F probability distributions; utilization of chi-square techniques, analyses of variance and covariance techniques and concepts of regression, correlation and prediction are among topics covered. Prerequisite: RES 259 or equivalent.
- 260L. *Computer Laboratory* 1 s.h.
Spring
Group or individual instruction on the use of computer facilities in coordination with 260.
- 261, 262. *Fieldwork in Educational Research* 3 s.h. each
Fall, Spring
Designed to develop research skills through supervised participation in ongoing University research projects and/or local school system research. Prerequisites: 18 s.h. in research methods, measurement and statistics, including RES 381 and permission of program director.
263. *Advanced Statistical Methods in Educational Research* 3 s.h.
Periodically
Theory and application of Time series, trend analysis; methods and models of operations research, delay (queuing) phenomena and stochastic processes; latent structure analysis, Bayesian statistics are among topics covered. Prerequisites: RES 260 and a computer course.
- 280 through 289, A-Z. *Workshops* 1-4 s.h. each
riodically
Designed to meet the needs of specific groups of students or educators.
As individual subjects are selected, each is assigned a letter (A-Z) and added to the course number. Any course may be taken a number of times so long as there is a different letter designation each time it is taken.
- 301 & 302. *Master's Thesis Seminar I & II* 3 s.h. each
Fall, Spring
Development and implementation of thesis project.
305. *Language Assessment* 3 s.h.
Once a year
Practice oriented course in assessing communicative competence, language proficiency and language achievement. Special focus on LEP and bilingual youngsters and differentiating language difficulty from language disorder. Qualitative and quantitative assessment methods as well as computer-interactive assessment are covered. Various tools and diagnostic methods are demonstrated. Recommended prerequisite: a basic course in statistics or measurement.
347. *Theory and Models of Program Evaluation Research* 3 s.h.
Fall
Theory and models of program evaluation research. Rationale, principles and objectives of program evaluation. Different models of evaluative programs, such as discrepancy, CIPP, judicial, journalistic, accreditation, connoisseurship, goal-free, et al. Role of government in program evaluation, ethical standards. Prerequisites: RES 240, 381 and permission of program director.
348. *Designing and Conducting Program Evaluations* 3 s.h.
Spring
Students design and specify the procedure for evaluating programs of different kinds. Each evaluation design and implementation procedure is discussed in class prior to, during and/or at the end of the evaluation project. Prerequisite: RES 347.
- 363-364. *Multivariate Analysis and Multidimensional Scaling Methods* 3 s.h. each
Fall, Spring
Study of partial and multiple correlation and regression techniques, and of multivariate analysis including factor analysis. Theory and practice of multidimensional scaling and application of multivariate statistics to multidimensional scaling. Use of q-technique and semantic-differential methods. Quantitative analysis of feedback loops through multivariate and multidimensional methods. Prerequisites: RES 243, 260 and permission of program director.
- 363L. *Computer Laboratory* 1 s.h.
Fall
Group or individual instruction on the use of computer facilities in coordination with 363.
- 364L. *Computer Laboratory* 1 s.h.
Spring
Group or individual instruction on the use of computer facilities in coordination with 364.
381. *Research Methods in Education* 3 s.h.
Fall, Spring
Survey course covering different types of educational research methods and the use, data collection and data analysis techniques associated with different research designs. Attention is given to defining variables, developing research hypotheses, sampling procedures, control procedures and interpretation of research data.
382. *Survey Research in Education* 3 s.h.
Once a year
Deals with the process of survey development from the formulation of the initial problem through development of the survey questionnaire and sampling design. Consists of lecture discussions coupled with work-group practicum in designing and developing a survey.
386. *Advanced Research Design* 3 s.h.
Fall
A second course in educational research design focusing on different approaches to problems of data collection and analysis, sampling, control, internal and external validity and experimenter bias. Qualitative and quantitative methods are considered including naturalistic observation and survey research, correlational, experimental and quasi-experimental designs. Prerequisites: RES 240, 259, 260, 381.
387. *Skills in Funding and Proposal Development: Government, Foundation and Corporate* 3 s.h.
Fall
Exploration of theoretical and conceptual foundations of three sectors of grant funding. Identification of government, foundation, and corporate funding sources. Development of skills in grantsmanship, proposal writing and personal contacts. Management of grant funded projects and research.

390. *Researcher as an Educational Change Agent* 3 s.h.
Periodically

Social psychological approach to transmitting research findings to educational practitioners, to initiating change and innovations. Students use, evaluate and disseminate research findings on educational problems and innovations, analyze and role-play the functions of a change agent, and relate social, psychological and communication theories to their practice. Prerequisite: RES 381.

391, 392. *Independent Studies in Educational Research* 2-3 s.h. each

Fall, Spring
A course for students who wish to undertake independent and original work. Prerequisite: permission of instructor.

393, 394. *Internship: Educational Research* 3 s.h. each
Periodically

Students work in the field on such activities as designing and implementing research and evaluation projects, developing research instruments and research proposal writing. Each course requires 30 days in the field. Students may register for either 393 or 394, or both in a given semester. Permission of department required.

Romance Languages and Literatures (RLL)

The following areas are administered by this department and listed independently: Bilingualism, French, Italian, Italian Studies, Portuguese, and Spanish.

Professor Schwab, *Chairperson*

Professors Bussell-Thompson, D'Acerno, DaSilva, McNair; Associate Professors Cao, Heller, Jean, Powell; Assistant Professors Anastasio, Dini, Loucif, Sampetro, Ultsch.

Russian (RUS)

Administered by the Department of Comparative Literature and Languages. Professor Donahue, *Chairperson*

Associate Professor Mihailovic, *Adviser*

Major and minor requirements in Russian, see page 169.

For Russian Literature in Translation courses, see page 291.

COURSES

In addition to semester notations next to each course, a selection of courses is offered during the January and Summer sessions. Consult the *January* and *Summer Sessions* bulletins for these schedules.

1. *Elementary Russian* 3 s.h.
Fall

Fundamentals of structure. Oral drill.

2. *Elementary Russian* 3 s.h.
Spring

Continuation of 1. Selected readings. Prerequisite: RUS 1 or equivalent.

3. *Intermediate Russian* 3 s.h.
Fall

Grammar review. Conversational approach. Selected readings. Prerequisite: RUS 2 or equivalent.

4. *Intermediate Russian* 3 s.h.
Spring

Readings in Russian economics, geography, history and politics; or readings of short stories and plays by Pushkin and Chekhov; or

readings in scientific Russian. Reading material will depend upon the interest of the class. Prerequisite: RUS 3 or equivalent.

4S. *Scientific Russian* 3 s.h.
Periodically

Survey of Russian science. Readings from contemporary scientific articles. Reading material will depend upon the interest of the class. Prerequisite: RUS 3 or equivalent. Given upon sufficient demand.

5. *Advanced Readings* 3 s.h.
Periodically

Development of the reading skill. While the foreign language, spoken and written, will be the basis of classwork and written assignments, the course will aim at attaining the stage of liberated reading. Given upon sufficient demand.

100. *Honors Essay* 3 s.h.
Fall, Spring

Research and writing of a substantial essay in the field of Russian. Open only to senior majors who are eligible for departmental honors and who secure, before registration, written permission of the faculty adviser who will supervise the essay.

Prerequisites for all courses numbered 101 through 106: successful completion of 4 or permission.

101 through 106. *Advanced Russian Language* 3 s.h. each
Three-year cycle, one course each semester (may be taken in any order)

An integrated sequence of courses which gradually develops the student's proficiency in the spoken language, in writing (including structure) and reading. Text material ranges from simple stories to more sophisticated language including culture and civilization subjects. The individual student's needs and wishes determine the exact nature of each course. A detailed personal record is maintained to assure the development of each student's skills.

Prerequisites for 151 through 154: 101 and 102, or permission of instructor.

151 through 154. *Masterpieces of Russian Literature* 3 s.h. each

Three-year cycle, one course each semester (may be taken in any order)

The primary objective is to develop each student's ability in the critical reading of outstanding authors in Russian literature, taken essentially from the 18th century to the present. Readings will be chosen according to each student's prior experience and interests. Rather than a chronological approach, with division into literary movements, the student will choose, upon advisement, one or more themes (e.g., social problems, the role of "the superfluous man," the Father and Son theme, freedom and happiness, love and fate, the problems of goodness and evil) which will be pursued by private reading followed by written and/or oral reports to the class. The student who has taken the four courses in this sequence will have gained an adequate insight into literary genres and movements as well. A detailed personal record of reading progress will be maintained to assure the systematic development of each student's facility in literary criticism.

Courses 221 through 226 and above are open only to matriculated graduate students or by permission. These courses are given only upon sufficient demand.

221 through 226. *Readings in Literature or Special Studies* 3 s.h. each

Periodically
Intensive study of an outstanding author, movement or literary genre. Subjects to be announced.

Secondary Education (SED)

Administered by the Department of Curriculum and Teaching.
Professor Whitton, *Chairperson*

Professor Murphy; Associate Professor Singer; Assistant Professors Hines, Stacki, Torff; Special Assistant Professor Gordon.

UNDERGRADUATE PROGRAMS

Secondary Education programs administered under the Department of Curriculum and Teaching prepare teachers of the academic subjects normally taught in grades 7-12, as well for the subjects of art, business, music, and speech and drama. Students who plan to teach physical education or school health education should enroll in the Department of Physical Education and Sport Sciences or Health Professions and Family Studies.

Students who plan to teach English, languages other than English, mathematics, science, or social studies at the secondary level (7-12) should select a B.A. degree program and a major in the same subject area. Students who plan to teach speech and drama should select Speech Communication Education as their major field of study. During the second semester of the sophomore year (a minimum of 45 semester hours of college course work), students should choose an area of secondary education as a *co-major*. Students interested in teaching art, music, or business should select a B.S. in Education degree program, specializing in the same subject area (see program requirements for these B.S. in Education degrees listed separately below).

Secondary education programs are designed to blend on-campus preparation with field experiences in a variety of school settings including high needs schools. Field work will culminate in full-time student teaching. Literacy, multicultural education, and information technology are integrated throughout all aspects of the programs. Hofstra's undergraduate programs in secondary education are New York State registered programs. Students who successfully complete one of these programs and who obtain passing scores on the New York State Teacher Certification Examinations (NYSTCE) will qualify for initial New York State Certification. See page 120 for additional information regarding teacher certification.

Admission Criteria for Secondary Education Programs

During the second semester of the sophomore year (having completed a minimum of 45 semester hours of college course work), students should apply for admission to the School of Education and Allied Human Services through the Department of Curriculum and Teaching in 243 Gallon Wing. Admission into a B.A. degree program or a B.S. in Education degree program in the Department of Curriculum and Teaching is based on a comprehensive review of multiple criteria, including the following:

- A passing score on the Hofstra English Proficiency Exam.
- A GPA of 2.75 or higher on all course work.
- A GPA of 2.75 or higher in the subject area in which certification will be sought.
- Two letters of reference addressing the applicant's potential to succeed in the teaching profession.
- A written personal statement of professional intent and rationale.
- An interview, audition, and/or portfolio may be required in some programs (see academic advisers in the area in which certification will be sought).

The department understands that any single criterion may not reliably predict a student's potential for success in the program. Students may consider applying even if they fail to meet one of the criteria but feel that other aspects of their experience might compensate.

After being accepted into the School of Education and Allied Human Service, students must declare an education co-major by

submitting a Change of Major Form to the Office of Financial and Academic Records. This form must be signed by program advisers for each major area.

Required Course Work for B.A. Degree Programs within Secondary Education

In order to ensure that prospective teachers have a broad education in the liberal arts and sciences, all students in B.A. degree programs with co-majors in secondary education must complete course work from each of the content areas below. (Students completing B.S. in Education degrees to be certified in the visual arts, business education, or music education should see specific course requirements for these programs listed separately below.) When programs are planned carefully, these requirements may be satisfied while completing the Hofstra Core Liberal Arts and Sciences requirements. The specific courses and minimum credits required for prospective teachers are indicated within each program. The designated courses within the following areas *must* be included in the B.A. degree program of the secondary education student.

AREAS TO BE INCLUDED IN SATISFYING THE HOFSTRA CORE:

Artistic Expression/Humanities (3 s.h.): AH 3-8, 74, 101; DNCE 127; DRAM 1; MUS 3, 130, or 135.

Communication (3 s.h.): SPCM 1, *Oral Communication*, or SPCM 7, *Public Speaking*.

Information Retrieval (0-3 s.h.): CSC 5, *Overview of Computer Science*; a passing score on the Examination for Information Retrieval (EIR), or comparable course work.

Historical Concepts (3 s.h.): Any HIST course listed under the Social Sciences Division of the Hofstra Core.

Social Science Concepts (3 s.h.): Any course from the Social Sciences Division of the Hofstra Core, PSY 7, *Fundamental Perspectives in Psychology*, highly recommended (prerequisite for SED 102).

Philosophy (3 s.h.): Any PHI course listed under the Social Science Division of the Hofstra Core. PHI 14, *Introduction to Ethics I*, recommended.

Language Other Than English (0-12 s.h.): Completion of level 4 in a language other than English, placement above level 4, or completion of the special language option (see page 82).

Scientific Processes (3 s.h.): Any natural science course listed under the Natural Sciences, Mathematics/Computer Science Division of the Hofstra Core, BIO 4, *Human Biology*, highly recommended.

Mathematical Processes (3 s.h.): Any MATH course listed under the Mathematics/Computer Science Division of the Hofstra Core. MATH 16, *Explorations in Mathematics*, highly recommended for non-mathematics and non-science majors.

Written Analysis and Expression (6 s.h.): ENGL 1-2, and a passing score on the Hofstra English Proficiency Exam.

Cross-Cultural Appreciation (3 s.h.): Any course listed under the Cross-Cultural Division of the Hofstra Core.

Transfer students must plan their courses of study carefully with an academic adviser to ensure that their programs will fulfill both University and New York State Education Department requirements.

REQUIRED PROFESSIONAL EDUCATION COURSES:

Beyond the completion of all major requirements for the B.A. degree in the subject area in which certification will be sought, the co-major in an area of secondary education requires the completion of at least 31 semester hours in education course work. The following is the basic structure of secondary education programs specializing in the teaching of English, languages other

than English, mathematics, science, social studies, or speech and drama. (Students completing a B.S. in Education degree to be certified in the visual arts, business, or music should see specific course requirements for those programs listed separately below.)

Introductory Courses (10 s.h.):

FDED 111, *The American School* or FDED 127, *Introduction to Philosophy of Education*. 3 s.h.

SED 100, *Educational Technology in Secondary and Middle Level Education*. 1 s.h.

*SED 102, *Adolescent Development and Learning*. (PSY 7 or PSY 1 is prerequisite) 3 s.h.

*SPED 102, *Inclusion: Meeting Special Needs in PreK-12 Programs*. 3 s.h.

General Methods Courses (6 s.h.):

*SED 151, *The Secondary School Teacher*. 3 s.h.

*LYST 101, *Literacy for Middle/High School Teachers*. 3 s.h.

Special Methods and Curriculum Courses (6 s.h.):

*SED 152-160 content specialization teaching methods courses. 3 s.h.

SED 163-167 content specialization curriculum courses. 3 s.h.

Student Teaching and Co-requisite Seminars (9 s.h.):

SED 178, *Reflective Practice and Classroom Analysis*. (Requires completion of an electronic portfolio.) 3 s.h.

SED 179, *Student Teaching*. 6 s.h.

*Courses requiring a 20 clock-hour field placement. Students must provide transportation to and from field placements.

Students who have more credits than they need to fulfill the bachelor's degree requirements may take secondary education graduate courses for graduate credit, up to 9 semester hours, with permission. (See Graduate Courses Taken by Undergraduates on page 64.)

Student Teaching Prerequisites

After completing at least 19 semester hours of professional education course work, including the special methods course(s), students may apply for admission to student teaching. Application forms may be obtained from the Office of Field Placement in 243 Gallon Wing and returned by October 1 for the spring semester and March 1 for the fall semester. Admission criteria are as follows: (1) a cumulative GPA of 2.75 on overall course work or permission of adviser; *(2) no grades lower than C– or unresolved INCs in professional education course work; and (3) a GPA of 2.5 or higher in course work in the major area in which certification will be sought. ***See note below regarding teacher certification examinations.

Graduation Requirements for Secondary Education Programs

Graduation from an undergraduate secondary education program requires: (1) completion of all graduation requirements for the appropriate bachelor's degree in the major content area in which certification will be sought; (2) completion of all course requirements for the co-major in the concentration area within secondary education (not applicable for B.S. in Education degrees); *(3) no grades lower than C– or unresolved INCs in professional education course work; (4) a minimum GPA of 2.75 in overall course work; (5) a minimum GPA of 2.5 in the major area in which certification will be sought; (6) an electronic portfolio, illustrating the student's education course work and professional accomplishments.

Teacher Certification Requirements

Upon the successful completion of a teacher education program, students will be eligible to apply for the University's recommendation for New York State Certification. For Initial Certification, students are required to have passing scores on each of the New York State Teacher Certification Examinations (NYSTCE): The

Liberal Arts and Sciences Test (LAST), The Assessment of Teaching Skills—Written (ATS-W), and the Content Specialty Test (CST). Students not receiving passing scores on all three examinations will not be eligible for certification. Additional information pertaining to certification can be found on page 120.

**Other courses may be required for certain specializations. Students receiving a grade lower than C– on a professional education course must retake the course and receive a grade of C– or higher in order to remain in the program.

***It is *strongly recommended* that students complete the Liberal Arts and Sciences Test (LAST) of the New York State Teacher Certification Examinations prior to student teaching and the Assessment of Teaching Skills Written (ATS-W), and the Content Specialty Test (CST) during student teaching. All three New York State Teacher Certification Examinations (NTSTCE) should be completed prior to graduation. Students not receiving passing scores on all three examinations will not be eligible for certification.

ART EDUCATION

B.S. in Ed.—SPECIALIZATION IN FINE ARTS EDUCATION: This program leads to certification as a teacher of the visual arts in grades PreK-12 in New York State. The aim of this program is to provide prospective teachers with comprehensive knowledge and skills in the fine arts which, together with fundamental courses in education, will lead to public school teaching. Special subject programs are designed to blend on-campus preparation with field experiences in a variety of school settings, culminating in full-time student teaching. Literacy, multicultural education, and information technology are integrated throughout all aspects of the programs. This program is in conformity with standards for art teacher preparation published by the National Art Education Association, the New York State Art Education Association, and the New York State Learning Standards for the Arts.
Assistant Professor Torff, *Adviser*

PROGRAM REQUIREMENTS

After completing a minimum of 45 semester hours of college course work, the student should apply for admission to the School of Education and Allied Human Services through the Department of Curriculum and Teaching in 243 Gallon Wing. For admission policies and procedures, see Secondary Education, Undergraduate Programs, page 371.

The B.S. in Education degree with a specialization in fine arts education requires the following:

1. The successful completion of 129 semester hours with a cumulative grade point average (GPA) of 2.75 or better in all course work and a GPA of 2.5 or better in fine arts course work.
2. At least 64 semester hours must be in the liberal arts and sciences.
3. There are two requirements that ordinarily must be completed in residence at Hofstra: 29 semester hours of course work in education, including student teaching; and the last 30 semester hours taken. (Education courses need not be included within the last 30 semester hours.)
4. The following general and major requirements:
 - a) ENGL 1-2 (See University Degree Requirements, page 66), 6 s.h.
 - b) Philosophy, 3 s.h.: PHI 10, 14, or 20.
 - c) Humanities, 6 s.h. from the Hofstra Core including SPCM 1.
 - d) Language other than English, 0-6 s.h.: completion of 6 s.h. in a language other than English, or 6 s.h. placement equivalency. Six semester hours of American Sign Language (REHB 191 and 192) will satisfy this requirement but does not provide liberal arts and sciences credit.

- e) Social science, 6 s.h. including: PSY 1 or PSY 7.
- f) Natural science and mathematics/computer science, 9 semester hours including: natural science, 3 s.h.; mathematics, 3 s.h.; and computer science, 3 s.h.
- g) Fine arts and art History, 57 semester hours including: FA 10, 11, 12, 13, 14, 15, 16, 27, 45, 80A, 170, 172, and 199; SCO 4; AH 3, 4, and either AH 103, 114, 118, 161, or 165. Students are also required to complete 6 semester hours in *one* of the following areas of specialization:
 - ceramics (FA 80, 81, 82, 83, 180, or 180A)
 - graphic design (FA 51, 51A, 158, or 159G)
 - painting (FA 45A, 46, 47, 48, 160, or 166)
 - photography (FA 170A, 170B, 170E, 170F, 170G, 170H, or 171)
 - sculpture (FA 58, 59, 161, or 167)

Alternatively, the specialization requirement can be met with 9 semester hours in metalsmithing (FA 70, 120, 121, 122, or 123).

Reports based on museum visits are required of students in some fine arts courses.

- h) Education, 29 s.h. including:

*CT	102.	<i>Development and Learning in Childhood and Adolescence</i>	3 s.h.
*SPED	102.	<i>Inclusion: Meeting Special Needs in PreK-12 Programs</i>	3 s.h.
FDED	111.	<i>The American School</i> or	
FDED	127.	<i>Introduction to Philosophy of Education</i>	3 s.h.
LYST	102.	<i>Literacy, Art, and Music</i>	1 s.h.
SED	100.	<i>Educational Technology in Secondary and Middle Level Education</i>	1 s.h.
*SED	113.	<i>Teaching Art in the Elementary School</i>	3 s.h.
*SED	114.	<i>Teaching Art in the Secondary School</i>	3 s.h.
*SED	151.	<i>The Secondary School Teacher</i>	3 s.h.
SED	178.	<i>Reflective Practice and Classroom Analysis</i> (Electronic portfolio is required)	3 s.h.
CT	179.	<i>Student Teaching</i> (placements in grades PreK-6 and Grades 7-12)	6 s.h.

*Twenty clock hours of participation/observation in elementary and secondary schools are required in each of the following courses:

CT	102.	Field Placement—grades PreK-6
SED	113.	Field Placement—grades PreK-6
SED	114.	Field Placement—grades 7-12
SED	151.	Field Placement—grades 7-12
SPED	102.	Field Placement in varied settings, grades PreK-12

Students receiving a grade lower than C– in a professional education course must repeat the course and receive a grade of C– or higher in order to remain in the program.

Student Teaching Prerequisites

After completing at least 19 semester hours of professional education course work, including the special methods course(s), students may apply for admission to student teaching. Application forms may be obtained in 243 Gallon Wing and returned by October 1 for the spring semester and March 1 for the fall semester. Admission criteria are as follows: (1) a cumulative GPA of 2.75 or better on overall course work or permission of adviser; (2) no grades lower than C– and no unresolved INC grades in professional education course work; (3) a GPA of 2.5 or higher in fine arts course work. **See note below regarding teaching certification examinations.

Graduation Requirements

Graduation from the program requires: (1) completion of all graduation requirements for the bachelor’s degree in the major content area in which the certification will be sought; (2)

completion of all course requirements for the co-major in the concentration area within secondary education; (3) no grades lower than C– and no unresolved INC grades in professional course work; (4) a minimum GPA of 2.75 in overall course work; (5) a minimum GPA of 2.5 in the major area in which the certification will be sought; (6) an electronic portfolio, illustrating the student’s education course work and professional accomplishments.

Teacher Certification Requirements

Upon the successful completion of a teacher education program, students will be eligible to apply for the University’s recommendation for New York State certification. For Initial Certification, students are required to have passing scores on each of the New York State Teacher Certification Examinations (NYSTCE): the Liberal Arts and Sciences Test (LAST) and the Assessment of Teaching Skills—Written (ATS-W), and the Content Specialty Test (CST). Students not receiving passing scores on all three examinations will not be eligible for certification. Additional information pertaining to certification can be found on page 120.

**NOTE: It is *strongly recommended* that students complete the Liberal Arts and Sciences Test (LAST) of the New York State Teacher Certification Examinations prior to student teaching and the Assessment of Teaching Skills—Written (ATS-W), and the Content Specialty Test (CST) during student teaching. All three NYSTCE’s should be completed prior to graduation. Students not receiving passing scores on all three examinations will not be eligible for certification.

BUSINESS EDUCATION

COMMERCIAL SUBJECTS

One degree program followed is the Bachelor of Business Administration (see page 104 for complete description). Students who wish to be certified in business subjects should consult the Zarb School of Business for selection of a major field for the B.B.A. and proper courses for meeting certification requirements.

A 3 semester hour course in mathematics is required of all undergraduate students completing teacher education programs within the Department of Curriculum and Teaching.

It is *recommended* that prospective secondary education teachers of business subjects complete PSY 7 (which is a prerequisite to SED 102); complete SPCM 1; also *recommended* that *all* prospective teachers of academic subjects (7-12) or special subjects (K-12) complete PHI 14.

Prospective teachers of business subjects must complete at least 21 semester hours of education courses, with advisement, including a 3-semester hour 100-level course in foundations of education; SED 102 (PSY 1 or 7 is prerequisite); SED 151; 158 or 159 or 160; 117 and 101.

BUSINESS AND DISTRIBUTIVE EDUCATION

For the addition of distributive education to the business education certification requirements, the student must submit proof of completion of the equivalent of one year retail experience.

Assistant Professor Stacki, *Adviser*

ENGLISH EDUCATION

The degree program followed in the Bachelor of Arts (see page 82 for complete description). Courses in this program lead toward New York State initial teacher certification, valid for adolescence education in English (grades 7-12). Secondary education programs are designed to blend on-campus preparation with field experiences in a variety of school settings, culminating in full-time student teaching. Literacy, multicultural education, and information technology are integrated throughout all aspects of the programs. This program conforms with the New York State Learning Standards in English Language Arts and the recommendations of the National Council of Teachers of English.

Professor Murphy, *Adviser*

PROGRAM REQUIREMENTS

Prospective teachers of English choose English and American Literature or Creative Writing and Literature as a major within the liberal arts and sciences. During the second semester of the sophomore year (a minimum of 45 semester hours of college course work), the student then chooses English Education as a *co-major*. For program admission policies, procedures, and program requirements, see Secondary Education, Undergraduate Program, page 371.

In addition to the English course requirements for the B.A. in English (see page 82), prospective teachers of English must also include in their programs of study the following courses:

- 6 s.h. of American literature (ENGL 51, *The American Literary Identity*, or ENGL 143, *American Literature I*, and ENGL 52, *The American Experience on Context*, or ENGL 144, *American Literature II*, preferred);
- 6 s.h. of English literature (ENGL 41, *English Literature I* and ENGL 42, *English Literature II*, preferred);
- 3 s.h., of world literature (ENGL 43, *Western Literature I* or ENGL 44, *Western Literature II*;
- 3 s.h. chosen from: ENGL 103, *Structure of English* preferred, ENGL 101 or 102 or LING 101, 151, 152, 161, or 190.

The co-major in English Education consists of a minimum of 31 semester hours of education course work, including each of the following:

Introductory courses—10 s.h.

- | | | |
|------------|--|--------|
| FDED 111. | <i>The American School</i> or | |
| | 127. <i>Introduction to Philosophy of Education</i> | 3 s.h. |
| SED 100. | <i>Educational Technology in Secondary and Middle Level Education</i> | 1 s.h. |
| *SED 102. | <i>Adolescent Development and Learning</i> (PSY 7 or PSY 1 is prerequisite), | 3 s.h. |
| *SPED 102. | <i>Inclusion: Meeting Special Needs in PreK-12 Programs</i> | 3 s.h. |

General methods courses—6 s.h.

- | | | |
|------------|---|--------|
| *SED 151. | <i>The Secondary School Teacher</i> | 3 s.h. |
| *LYST 101. | <i>Literacy for Middle/High School Teachers</i> | 3 s.h. |

Special methods and curriculum courses—6 s.h.

- | | | |
|-----------|------------------------------------|--------|
| *SED 152. | <i>Teaching of English</i> | 3 s.h. |
| | 164. <i>Young Adult Literature</i> | 3 s.h. |

Student Teaching and corequisite seminars—9 s.h.

- | | | |
|----------|---|--------|
| SED 178. | <i>Reflective Practice and Classroom Analysis</i> (Requires completion of an electronic portfolio.) | 3 s.h. |
| SED 179. | <i>Student Teaching</i> (Placement in grades 7-9 and grades 10-12) | 6 s.h. |

*Twenty clock hours of participation/observation in elementary and secondary schools are required in each of the following courses:

- | | |
|-----------|------------------------------|
| SED 102. | Field Placement—grades 7-9 |
| SED 151. | Field Placement—grades 7-12 |
| SED 152. | Field Placement—grades 10-12 |
| SPED 102. | Field Placement—grades 7-12 |
| LYST 101. | Field Placement—grades 7-12 |

Students receiving a grade lower than C– in a professional education course must repeat the course and receive a grade of C– or higher in order to remain in the program.

Student Teaching Prerequisites

After completing at least 19 semester hours of professional education course work, students may apply for admission to student teaching. Application forms may be obtained in 243 Gallon Wing. Admission criteria are as follows: (1) a cumulative GPA of 2.75 or better on overall course work or permission of adviser; (2) no grades lower than C– and no unresolved INC

grades in professional education course work; (3) a GPA of 2.5 or higher in English course work.

**See note below regarding teacher certification examinations.

Graduation Requirements

Graduation from the program requires: (1) completion of all graduation requirements for the bachelor's degree in the major content area in which the certification will be sought; (2) completion of all course requirements for the co-major in the concentration area within secondary education; (3) no grades lower than C– and no unresolved INC grades in professional education course work; (4) a minimum GPA of 2.75 in overall course work; (5) a minimum GPA of 2.5 in the major area in which the certification will be sought; (6) an electronic portfolio, illustrating the student's education course work and professional accomplishments.

Teacher Certification Requirements

Upon the successful completion of a teacher education program, students will be eligible to apply for the University's recommendation for New York State certification. For Initial Certification, students are required to have passing scores on each of the New York State Teacher Certification Examinations (NYSTCE): the Liberal Arts and Sciences Test (LAST), the Assessment of Teaching Skills—Written (ATS-W), and the Content Specialty Test (CST). Students not receiving passing scores on all three examinations will not be eligible for certification. Additional information pertaining to certification can be found on page 120.

**NOTE: It is *strongly recommended* that students complete the Liberal Arts and Sciences Test (LAST) of the New York State Teacher Certification Examination prior to student teaching and the Assessment of Teaching Skills—Written (ATS-W), and the Content Specialty Test (CST) during student teaching. All three NYSTCE's should be completed prior to graduation. Students not receiving passing scores on all three examinations will not be eligible for certification.

FOREIGN LANGUAGE EDUCATION

The degree program followed in the Bachelor of Arts (see page 82 for complete description). Courses in this program lead toward New York State initial teacher certification, valid for a language other than English in grades 7-12. Secondary education programs are designed to blend on-campus preparation with field experiences in a variety of school settings, culminating in full-time student teaching. Literacy, multicultural education, and information technology are integrated throughout all aspects of the programs. The program conforms to the New York State Learning Standards for Languages Other Than English.

Associate Professor Jean, *Adviser*

PROGRAM REQUIREMENTS

Prospective teachers of *French, Italian, Spanish, German* or *Russian* select the language they wish to teach as a liberal arts and science major (see specific language requirements). After completing a minimum of 45 semester hours of college semester hours of course work, the student then chooses Foreign Language Education as a *co-major*. For admission policies, procedures, and program requirement, see Secondary Education, Undergraduate Programs, page 371.

In the specific language studied, the prospective teacher must earn 24-36 semester hours above level 4 (depending upon the particular language major) and must acquire sufficient competence to utilize the language as an instrument of oral and written communication. Before student teaching, the prospective teacher must present to the Office of Field Placement a statement from the chairperson of his/her language major(s) attesting to proficiency in written and oral communication in that language. In addition, prospective teachers of French, Italian, Spanish,

German, or Russian must be knowledgeable of the culture and society of the country or countries in which the target language is spoken.

All prospective teachers of French, Italian, Spanish, German, or Russian must complete a minimum of each of the following: 6 semester hours of culture, 3 semester hours of conversation practice, 3 semester hours of grammar, and 3 semester hours of composition (see academic advises within the major for specific courses). The adviser may recommend additional course work in one or more of these areas to remedy identified weaknesses. Prospective teachers of French, Spanish or Italian will register for French 107, Spanish 108, or Italian 108 (*Individualized Oral Communication*, ½ s.h.) respectively for every semester the course is offered, once he/she has decided to prepare for secondary level teaching.

The *co-major* in Foreign Language Education consists of a minimum of 31 semester hours of education course work, including each of the following:

Introductory courses—10 s.h.

- FDED 111. *The American School* or
127. *Introduction to Philosophy of Education* 3 s.h.
- SED 100. *Educational Technology in Secondary and Middle Level Education* 1 s.h.
- *SED 102. *Adolescent Development and Learning* (PSY 7 or PSY 1 is prerequisite), 3 s.h.
- *SPED 102. *Inclusion: Meeting Special Needs in PreK-12 Programs* 3 s.h.

General methods courses—6 s.h.

- *SED 151. *The Secondary School Teacher* 3 s.h.
- *LYST 101. *Literacy for Middle/High School Teachers* 3 s.h.

Special methods and curriculum courses—6 s.h.

- *SED 153. *Teaching of Foreign Languages* 3 s.h.
- 167. *Exploring Curriculum for Languages Other than English* 3 s.h.

Student Teaching and corequisite seminars—9 s.h.

- SED 178. *Reflective Practice and Classroom Analysis* (Requires completion of an electronic portfolio.) 3 s.h.
- SED 179. *Student Teaching* (Placement in grades 7-9 and grades 10-12) 6 s.h.

*Twenty clock hours of participation/observation in elementary and secondary schools are required in each of the following courses:

- SED 102. Field Placement—grades 7-9
- SED 151. Field Placement—grades 7-12
- SED 153. Field Placement—grades 10-12
- SPED 102. Field Placement—grades 7-12
- LYST 101. Field Placement—grades 7-12

Students receiving a grade lower than C- in a professional education course must repeat the course and receive a grade of C- or higher in order to remain in the program.

Student Teaching Prerequisites

After completing at least 19 semester hours of professional education course work, students may apply for admission to student teaching. Application forms may be obtained in 243 Gallon Wing. Admission criteria are as follows: (1) a cumulative GPA of 2.75 or better on overall course work or permission of adviser; (2) no grades lower than C- and no unresolved INC grades in professional education course work; (3) a GPA of 2.5 or higher in course work in the target language.

**See note below regarding teacher certification examinations.

Graduation Requirements

Graduation from the program requires: (1) completion of all graduation requirements for the bachelor's degree in the major content area in which the certification will be sought; (2)

completion of all course requirements for the co-major in the concentration area within secondary education; (3) no grades lower than C- and no unresolved INC grades in professional education course work; (4) a minimum GPA of 2.75 in overall course work; (5) a minimum GPA of 2.5 in the major area in which the certification will be sought; (6) an electronic portfolio, illustrating the student's education course work and professional accomplishments.

Teacher Certification Requirements

Upon the successful completion of a teacher education program, students will be eligible to apply for the University's recommendation for New York State certification. For Initial Certification, students are required to have passing scores on each of the New York State Teacher Certification Examinations (NYSTCE): the Liberal Arts and Sciences Test (LAST), the Assessment of Teaching Skills—Written (ATS-W), and the Content Specialty Test (CST). Students not receiving passing scores on all three examinations will not be eligible for certification. Additional information pertaining to certification can be found on page 120.

**NOTE: It is *strongly recommended* that students complete the Liberal Arts and Sciences Test (LAST) of the New York State Teacher Certification Examination prior to student teaching and the Assessment of Teaching Skills—Written (ATS-W), and the Content Specialty Test (CST) during student teaching. All three NYSTCE's should be completed prior to graduation. Students not receiving passing scores on all three examinations will not be eligible for certification.

MATHEMATICS EDUCATION

The degree program followed is the Bachelor of Arts (see page 82 for complete description). Courses in this program lead toward New York State initial teacher certification, valid for adolescence education in mathematics (grades 7-12). Secondary education programs are designed to blend on-campus preparation with field experiences in a variety of school settings, culminating in full-time student teaching. Literacy, multicultural education, and information technology are integrated throughout all aspects of the programs. The Program conforms to the New York State Learning Standards in Mathematics Science and Technology and with the recommendations of the National Council of Teachers of Mathematics.

Professor Whitton, *Adviser*

PROGRAM REQUIREMENTS

Prospective teachers of mathematics choose mathematics as a major within the liberal arts and sciences. After completing a minimum of 45 semester hours of college course work, the student then chooses Mathematics Education as a *co-major*. For admission policies, procedures, and program requirements, see Secondary Education, Undergraduate Programs, page 371.

The B.A. degree in Mathematics requires a minimum of 39 semester hours of course work in mathematics. At least 6 semester hours of course work chosen from the category of Natural Sciences in the Hofstra Core (see page 85) are also required for prospective teachers of mathematics. The following courses (or comparable course work in the indicated areas) must be completed within the B.A. degree program in Mathematics (see page 305):

- MATH 19. *Analytic Geometry and Calculus I* 4 s.h.
- 20. *Analytic Geometry and Calculus II* 4 s.h.
- 29. *Analytic Geometry and Calculus III* 4 s.h.
- 133. *Geometry* or
- 134. *Topics in Geometry* 3 s.h.
- 135A. *Linear Algebra* 3 s.h.
- 137. *Mathematical Probability and Statistics* 3 s.h.
- 141. *Applied Finite Mathematics* 3 s.h.

143.	<i>Engineering Mathematics I</i>	3 s.h.
145.	<i>Higher Algebra I</i>	3 s.h.
171.	<i>Advanced Calculus I</i>	3 s.h.
146.	<i>Higher Algebra II</i> or	
172.	<i>Advanced Calculus II</i>	3 s.h.
	100-level Elective	3 s.h.

The co-major in Mathematics Education consists of a minimum of 31 semester hours of professional education course work, including each of the following:

Introductory courses—10 s.h.

FDED	111.	<i>The American School</i> or	
	127.	<i>Introduction to Philosophy of Education</i>	3 s.h.
SED	100.	<i>Educational Technology in Secondary and Middle Level Education</i>	1 s.h.
*SED	102.	<i>Adolescent Development and Learning</i> (PSY 7 or PSY 1 is prerequisite)	3 s.h.
*SPED	102.	<i>Inclusion: Meeting Special Needs in PreK-12 Programs</i>	3 s.h.

General methods courses—6 s.h.

*SED	151.	<i>The Secondary School Teacher</i>	3 s.h.
*LYST	101.	<i>Literacy for Middle/High School Teachers</i>	3 s.h.
*SED	154.	<i>Teaching of Mathematics</i>	3 s.h.
	166.	<i>Exploring the Mathematics Curriculum</i>	3 s.h.

Student Teaching and corequisite seminars—9 s.h.

SED	178.	<i>Reflective Practice and Classroom Analysis</i> (Requires completion of an electronic portfolio.)	3 s.h.
SED	179.	<i>Student Teaching</i> (Placement in grades 7-9 and grades 10-12)	6 s.h.

*Twenty clock hours of participation/observation in elementary and secondary schools are required in each of the following courses:

SED	102.	Field Placement—grades 7-9
SED	151.	Field Placement—grades 7-12
SED	154.	Field Placement—grades 10-12
SPED	102.	Field Placement—grades 7-12
LYST	101.	Field Placement—grades 7-12

Students receiving a grade lower than C- in a professional education course must repeat the course and receive a grade of C- or higher in order to remain in the program.

Student Teaching Prerequisites

After completing at least 19 semester hours of professional education course work, students may apply for admission to student teaching. Application forms may be obtained in 243 Gallon Wing. Admission criteria are as follows: (1) a cumulative GPA of 2.75 or better on overall course work or permission of adviser; (2) no grades lower than C- and no unresolved INC grades in professional education course work; (3) a GPA of 2.5 or higher in mathematics content courses.

**See note below regarding teacher certification examinations.

Graduation Requirements

Graduation from the program requires: (1) completion of all graduation requirements for the bachelor's degree in the major content area in which the certification will be sought; (2) completion of all course requirements for the co-major in the concentration area within secondary education; (3) no grades lower than C- and no unresolved INC grades in professional education course work; (4) a minimum GPA of 2.75 in overall course work; (5) a minimum GPA of 2.5 in the major area in which the certification will be sought; (6) an electronic portfolio, illustrating the student's education course work and professional accomplishments.

Teacher Certification Requirements

Upon the successful completion of a teacher education program,

students will be eligible to apply for the University's recommendation for New York State certification. For Initial Certification, students are required to have passing scores on each of the New York State Teacher Certification Examinations (NYSTCE): the Liberal Arts and Sciences Test (LAST), the Assessment of Teaching Skills—Written (ATS-W), and the Content Specialty Test (CST). Students not receiving passing scores on all three examinations will not be eligible for certification. Additional information pertaining to certification can be found on page 120.

**NOTE: It is *strongly recommended* that students complete the Liberal Arts and Sciences Test (LAST) of the New York State Teacher Certification Examination prior to student teaching and the Assessment of Teaching Skills—Written (ATS-W), and the Content Specialty Test (CST) during student teaching. All three NYSTCE's should be completed prior to graduation. Students not receiving passing scores on all three examinations will not be eligible for certification.

MUSIC EDUCATION

B.S. in Ed.—Specialization in Music Education: This program leads to initial certification as a teacher of music in grades PreK-12 in New York State. The aim of the program is to provide prospective teachers with comprehensive knowledge and skills in music which, together with fundamental courses in education will lead to effective public school teaching. The program conforms with the National Standards for Arts Education and the New York State Learning Standards for the Arts.
Assistant Professor Robinson, *Adviser*

PROGRAM REQUIREMENTS

After completing SED 111 and receiving a passing score on the Piano Proficiency Examination, students may apply for admission to the School of Education and Allied Human Services through the Department of Curriculum and Teaching in 243 Gallon Wing. This typically occurs during the student's junior year. For admission policies and procedures, see Secondary Education, Undergraduate Programs, page 371.

The B.S. in Education degree with a specialization in music education requires the following:

1. The successful completion of 129 semester hours with a cumulative grade point average (GPA) of 2.75 or better in all course work.
2. At least 65 semester hours must be in the liberal arts and sciences with no fewer than 40 semester hours outside the department of music.
3. There are two requirements that ordinarily must be completed in residence at Hofstra: 29 semester hours of course work in education, including student teaching; and the last 30 semester hours of course work taken. (Education courses need not be included within the last 30 semester hours.)
4. The following general and major requirements:
 - a) ENGL 1-2 and a passing score on the Hofstra Writing Proficiency Test (see University Degree Requirements, page 66), 6 s.h.
 - b) History—any HIST course listed under the Social Sciences Division of the Hofstra Core, 3 s.h.
 - c) Social sciences—PSY 7 (prerequisite for CT 102). 3 s.h.
 - d) Philosophy—any PHI course listed under the Social Science Division of the Hofstra Core, 3 s.h.
PHI 14 is highly recommended.
 - e) Language other than English—Completion of 6 s.h. of a language other than English, language placement equivalent to 6 credits, or 6 s.h. of American Sign Language (REHB 191 and 192) will satisfy this requirement but does not provide liberal arts and sciences credit.
 - f) Scientific Processes—Any natural science course listed under the Natural Sciences, Mathematics/Computer Science Division of the Hofstra Core, 3 s.h.

- g) Communication—SPCM 1, 3 s.h.
- h) Artistic Expression—Any MUS course listed under Music in Hofstra’s offerings, 3 s.h.
- i) Information Retrieval—CSC 5, a passing score on the Examination for Information Retrieval (EIR), or comparable course work, 0-3 s.h.
- j) Mathematical Processes—Any MATH course listed under the Mathematics/Computer Science subdivision of the Hofstra Core, 3 s.h. MATH 16 highly recommended.
- k) Music Course Work:

Performance Requirements: 6 s.h.
 Students are required to take the following:
 MUS 20, *Ensemble*, (8 semesters), Major Organization, MUS 21-25, (8 semesters), and Private Instruction (6 semesters).
 Course Requirements: MUS 30, *Conducting Ensemble*; MUS 48, *Musical Styles and Structures*; MUS 61&62, *Elementary Eartraining*; MUS 63-64, *Advanced Eartraining*; MUS 69, *Music Fundamentals and Species Counterpoint*; MUS 70A, *Introduction to Harmony and Analysis*; MUS 71-72, *Harmony*; MUS 107, *Orchestral Conducting*; MUS 108, *Choral Conducting*; MUS 143, 144, *History of Music*; MUS 145, *History of Music: The 20th Century*; MUS 154, *Form Analysis*; MUS 165, *Scoring for the Band* or MUS 166, *Orchestration*; MUS 172A, *Choral and General Music Methods in the Secondary School*.
 Eight semester hours as advised in MUS 31-38A—Instrumental Classes; this includes MUS 35&35A, B, C, *Piano Class*, if required, (see note). In addition, all education majors are required to participate in 4 semester hours in a performing choral organization.

NOTE: students without previous keyboard experience should enroll in MUS 35A, B, C, during freshman and sophomore semesters. The *Piano Proficiency Examination* must be passed before applying for admission to the School of Education and Allied Human Services. Keyboard majors will take 2 semesters of Voice Class..

5. Professional Education Course Work: 29 s.h. including:

*CT	102.	<i>Development and Learning in Childhood and Adolescence</i>	3 s.h.
*SPED	102.	<i>Inclusion: Meeting Special Needs in PreK-12 Program</i>	3 s.h.
FDED	111.	<i>The American School</i> or	
FDED	127.	<i>Introduction to Philosophy of Education</i>	3 s.h.
LYST	102.	<i>Literacy, Art, and Music</i>	1 s.h.
SED	100M.	<i>Application of Technology in Music Education</i>	1 s.h.
*SED	111.	<i>Teaching Music at the Elementary Level</i>	3 s.h.
*SED	112.	<i>Teaching Instrumental Music</i>	3 s.h.
*SED	151.	<i>The Secondary School Teacher</i>	3 s.h.
SED	178.	<i>Reflective Practice and Classroom Analysis</i> (Electronic portfolio is required)	3 s.h.
CT	179.	<i>Student Teaching</i> (Placements in grades PreK-6 and Grades 7-12)	6 s.h.

*Twenty clock hours of participation/observation in elementary and secondary schools are required in each of the following courses:

CT	102.	Field Placement—grades PreK-6
SED	111.	Field Placement—grades PreK-6
SED	112.	Field Placement—grades 7-12
SED	102.	Field Placement—grades 7-12
SPED	102.	Field Placement in varied settings, grades PreK-12

Students receiving a grade lower than C– in a professional education course must repeat the course and receive a grade of C– or higher in order to remain in the program.

Student Teaching Prerequisites

After completing at least 19 semester hours of professional education course work, students may apply for admission to student teaching. Application forms may be obtained in 243 Gallon Wing. Admission criteria are as follows: (1) a cumulative GPA of 2.75 or better on overall course work or permission of adviser; (2) no grades lower than C– and no unresolved INC grades in professional education course work; (3) a GPA of 2.5 or higher in music course work.

**See note below regarding teacher certification examinations.

Graduation Requirements

Graduation from the program requires: (1) completion of criteria listed in 1-4 above; (2) no grades lower than C– and no unresolved INC grades in professional education course work; (3) an overall GPA of 2.75 or better in all course work; (4) a GPA of 2.5 or better in music course work, and (5) an electronic portfolio, illustrating the student’s education course work and professional accomplishments.

Teacher Certification Requirements

Upon the successful completion of a teacher education program, students will be eligible to apply for the University’s recommendation for New York State certification. For Initial Certification, students are required to have passing scores on each of the New York State Teacher Certification Examinations (NYSTCE): the Liberal Arts and Sciences Test (LAST), and the Assessment of Teaching Skills—Written (ATS-W). Students not receiving passing scores on both examinations will not be eligible for certification. Additional information pertaining to certification can be found on page 120.

**NOTE: It is *strongly recommended* that students complete the Liberal Arts and Sciences Test (LAST) of the New York State Teacher Certification Examination prior to student teaching and the Assessment of Teaching Skills—Written (ATS-W) during student teaching. Both NYSTCE’s should be completed prior to graduation. Students not receiving passing scores on both examinations will not be eligible for certification.

PHYSICAL EDUCATION

B.S. IN EDUCATION—SPECIALIZATION IN THE TEACHING OF PHYSICAL EDUCATION, see page 324.

SCIENCE EDUCATION

The degree program followed is the Bachelor of Arts (see page 82 for complete description). Courses in the science education program, taken in combination with the appropriate liberal arts and sciences major, lead toward New York State initial teacher certification in biology, chemistry, earth science, or physics (grades 7-12). Regardless of the certification area in science that is selected, the program provides necessary course work for additional certification in general science, as well. Literacy, multicultural education, and information technology are integrated throughout all aspects of the programs. This program conforms with the New York State Learning Standards in Mathematics, Science and Technology and with the recommendations of the National Science Teachers’ Association.

Assistant Professor Hines, *Adviser*

PROGRAM REQUIREMENTS

Students select a major in one of the following areas of science: biology, chemistry, geology, or physics. Students interested in obtaining teaching certification in earth science should major in geology. After completing a minimum of 45 semester hours of college course work, the student then chooses Science Education

as a *co-major*. For admissions policies, procedures, and requirements, see Secondary Education, Undergraduate Programs on page 371.

In addition to meeting all the course requirements for the B.A. degree in the selected science major (biology, page 151; chemistry, page 166; geology, page 247; or physics, page 336, prospective teachers of science must include within their overall undergraduate program of study at least six (6) semester hours in *each* of the following areas: biology, chemistry, geology, physics, and calculus-based mathematics. Students who are preparing to teach earth science are required to include GEOL 7. *Earth Science I*, and GEOL 8. *Earth Science II*, among their course work. Students who are preparing to teach biology are *strongly recommended* to take BIO 24. *Comparative Anatomy*, BIO 114. *General Ecology*, BIO 147. *Invertebrate Zoology*, and BIO 149A. *Plant Physiology*, as electives within their biology major. All of the content requirements for the teaching of chemistry and physics are included within the major course requirements for those programs.

The co-major in Science Education consists of at least 31 semester hours of education course work, including each of the following:

Introductory courses—10 s.h.

FDED	111.	<i>The American School</i> or	
	127.	<i>Introduction to Philosophy of Education</i>	3 s.h.
SED	100.	<i>Educational Technology in Secondary and Middle Level Education</i>	1 s.h.
*SED	102.	<i>Adolescent Development and Learning</i> (PSY 7 or PSY 1 is prerequisite),	3 s.h.
*SPED	102.	<i>Inclusion: Meeting Special Needs in PreK-12 Programs</i>	3 s.h.

General methods courses—6 s.h.

*SED	151.	<i>The Secondary School Teacher</i>	3 s.h.
*LYST	101.	<i>Literacy for Middle/High School Teachers</i>	3 s.h.

Special methods and curriculum courses—6 s.h.

*SED	155.	<i>Teaching of Science</i>	3 s.h.
SED	165.	<i>Understanding Science Curriculum</i>	3 s.h.

Student Teaching and corequisite seminars—9 s.h.

SED	178.	<i>Reflective Practice and Classroom Analysis</i> (Requires completion of an electronic portfolio.)	3 s.h.
SED	179.	<i>Student Teaching</i> (Placement in grades 7-9 and grades 10-12)	6 s.h.

For liberal arts and sciences requirements, student teaching prerequisites, graduation requirements, and teacher certification policies, see Secondary Education, Undergraduate Programs on page 371.

*Twenty clock hours of participation/observation in elementary and secondary schools are required in each of the following courses:

SED	102.	Field Placement—grades 7-9
SED	151.	Field Placement—grades 7-12
SED	155.	Field Placement—grades 10-12
SPED	102.	Field Placement—grades 7-12
LYST	101.	Field Placement—grades 7-12

Students receiving a grade lower than C– in a professional education course must repeat the course and receive a grade of C– or higher in order to remain in the program.

Student Teaching Prerequisites

After completing at least 19 semester hours of professional education course work, students may apply for admission to student teaching. Application forms may be obtained in 243 Gallon Wing. Admission criteria are as follows: (1) a cumulative GPA of 2.75 or better on overall course work or permission of adviser; (2) no grades lower than C– and no unresolved INC

grades in professional education course work; (3) a GPA of 2.5 or higher in science course work.

**See note below regarding teacher certification examinations.

Graduation Requirements

Graduation from the program requires: (1) completion of criteria listed in 1-4 above, (2) no grades lower than C– and no unresolved INC grades in professional education course work, (3) an overall GPA of 2.75 or better in all course work; (4) a GPA of 2.5 or better in science course work, and (5) an electronic portfolio, illustrating the student's education course work and professional accomplishments.

Teacher Certification Requirements

Upon the successful completion of a teacher education program, students will be eligible to apply for the University's recommendation for New York State certification. For Initial Certification, students are required to have passing scores on each of the New York State Teacher Certification Examinations (NYSTCE): the Liberal Arts and Sciences Test (LAST), the Assessment of Teaching Skills—Written (ATS-W), and the Content Specialty Test (CST). Students not receiving passing scores on all three examinations will not be eligible for certification. Additional information pertaining to certification can be found on page 120.

**NOTE: It is *strongly recommended* that students complete the Liberal Arts and Sciences Test (LAST) of the New York State Teacher Certification Examination prior to student teaching and the Assessment of Teaching Skills—Written (ATS-W), and the Content Specialty Test (CST) during student teaching. All three NYSTCE's should be completed prior to graduation. Students not receiving passing scores on all three examinations will not be eligible for certification.

SOCIAL STUDIES EDUCATION

The degree program followed is the Bachelor of Arts (see page 82 for complete description). Courses in this program lead toward New York State initial certification, valid for adolescence education in social studies (grades 7-12). Secondary education programs are designed to blend on-campus preparation with field experiences in a variety of school settings, culminating in full-time student teaching. Literacy, multicultural education, and information technology are integrated throughout all aspects of the programs. The program conforms with the New York State Learning Standards in social studies and the recommendations of the National Council for the Social Studies.

Associate Professor Singer, *Adviser*

PROGRAM REQUIREMENTS

Students choose a major in history or one of the social sciences (Anthropology, Economics, Geography, Political Science or Sociology) within the liberal arts and sciences. During the second semester of the sophomore year (a minimum of 45 semester hours of college course work), the student then chooses Social Studies Education as a *co-major*. For program admission policies, procedures, and program requirements, see Secondary Education Undergraduate Programs, page 371.

Prospective teachers of social studies must complete a minimum of 36 semester hours in history and social studies course work with at least 21 semester hours in history and geography. The Hofstra University program requires a distribution of history and social studies courses in specific subject areas as follows:

- minimum of 6 s.h. in European history (Western Civilization: HIST 11. *Western Civilization I*; HIST 12. *Western Civilization II*, highly recommended;
- minimum of 6 s.h. in United States history: HIST 13. *American Civilization I*, HIST 14C. *American Civilization II*, HIST 115. *The Afro-American in American History (1619-1865)*, HIST 116. *The Afro-American in American History (1865 to the Present)*, are highly recommended;

- c) additional course work (under advisement) that demonstrates competency in non-Western (African, Asian, Latin American or Russian) History and the following social sciences: Anthropology, Economics, Geography, Political Science, and Sociology. These requirements can be satisfied through the following:
 - 6 s.h. in non-Western (African, Asian, Latin American or Russian) history;
 - 3 s.h. in Anthropology or at least two of the following courses or equivalents: HIST 11, 105, 106, 163; GEOG 2; SOC 32, 105; RELI 50, 75; AF ST 154, 155; CLL 39, 131; PHI 102, 163;
 - 3 s.h. in Economics;
 - 3 s.h. in Geography;
 - 3 s.h. in Political Science;
 - 3 s.h. in Sociology or at least two of the following courses or equivalents: HIST 14C, 116, 148, 149; ANTH 101, 108, 115, 120, 137; ECO 121, 141, PSC 111, 129; WST 1; PHI 90, 121, 167.

Secondary Education Program: 31 semester hours:

The co-major in Social Studies Education consists of a minimum of 31 semester hours of professional education course work, including the following:

Introductory courses—10 s.h.		
FDED 111.	<i>The American School</i> or FDED 127. <i>Introduction to Philosophy of Education</i> (may be applied towards liberal arts credit)	3 s.h.
*SED 102.	<i>Adolescent Development and Learning</i> (PSY 1 or 7 is a prerequisite)	3 s.h.
100.	<i>Education Technology in Secondary and Middle Level Education</i>	1 s.h.
*SPED 102.	<i>Inclusion: Meeting Special Needs in PreK-12 Programs</i>	3 s.h.
General methods courses—6 s.h.		
*SED 151.	<i>The Secondary School Teacher</i>	3 s.h.
*LYST 101.	<i>Literacy for Middle/High School Teachers</i>	3 s.h.
Special methods and curriculum courses—6 s.h.		
*SED 156.	<i>Teaching of Social Studies</i>	3 s.h.
163.	<i>Teaching Global History</i>	3 s.h.
Student teaching and required seminars—9 s.h.		
SED 178.	<i>Reflective Practice and Classroom Analysis</i> (Requires completion of an electronic portfolio.)	3 s.h.
SED 179.	<i>Student Teaching</i> (Placement in grades 7-9 and grades 10-12)	6 s.h.

*Twenty clock hours of participation/observation in elementary and secondary schools are required in each of the following courses:

SED 102.	Field Placement—grades 7-9
SED 151.	Field Placement—grades 7-12
SED 156.	Field Placement—grades 10-12
SPED 102.	Field Placement—grades 7-12
LYST 101.	Field Placement—grades 7-12

Students receiving a grade lower than C- in a professional education course must repeat the course and receive a grade of C- or higher in order to remain in the program.

Student Teaching Prerequisites

After completing at least 19 semester hours of professional education course work, students may apply for admission to student teaching. Application forms may be obtained in 243 Gallon Wing. Admission criteria are as follows: (1) a cumulative GPA of 2.75 or better on overall course work or permission of adviser; (2) no grades lower than C- and no unresolved INC grades in professional education course work; (3) a GPA of 2.5 or higher in social studies content courses.

**See note below regarding teacher certification examinations.

Graduation Requirements

Graduation from the program requires: (1) completion of all graduation requirements for the bachelor’s degree in the major content area in which the certification will be sought; (2) completion of all course requirements for the co-major in the concentration area within secondary education; (3) no grades lower than C- and no unresolved INC grades in professional education course work; (4) a minimum GPA of 2.75 in overall course work; (5) a minimum GPA of 2.5 in the major area in which the certification will be sought; (6) an electronic portfolio, illustrating the student’s education course work and professional accomplishments.

Teacher Certification Requirements

Upon the successful completion of a teacher education program, students will be eligible to apply for the University’s recommendation for New York State certification. For Initial Certification, students are required to have passing scores on each of the New York State Teacher Certification Examinations (NYSTCE): the Liberal Arts and Sciences Test (LAST), the Assessment of Teaching Skills—Written (ATS-W), and the Content Specialty Test (CST). Students not receiving passing scores on all three examinations will not be eligible for certification. Additional information pertaining to certification can be found on page 120.

**NOTE: It is *strongly recommended* that students complete the Liberal Arts and Sciences Test (LAST) of the New York State Teacher Certification Examination prior to student teaching and the Assessment of Teaching Skills—Written (ATS-W), and the Content Specialty Test (CST) during student teaching. All three NYSTCE’s should be completed prior to graduation. Students not receiving passing scores on all three examinations will not be eligible for certification.

SPEECH COMMUNICATION EDUCATION

The degree program followed is the Bachelor of Arts in the School of Communication (see page 116 for complete requirements). Students in the major field of the teaching of speech communication earn certification K-12 as teachers of speech. Associate Professor Merrill, *Adviser*

PROGRAM REQUIREMENTS

Required courses: 39 semester hours chosen from the following categories of courses:

- 1) 12 s.h.—SCO 2, 3, 4; SPCM 157
- 2) 12 s.h.—SPCM 1, 7, 11, 125
- 3) 6 s.h.—chosen from SPCM 33, 53, 109, 119
- 4) 3 s.h.—chosen from SPCM 21, 24, 25, 117, 121, 147
- 5) 3 s.h.—chosen from SPCM 107, 128, 170, 171
- 6) 3 s.h.—any literature course in ENGL, LIT, CLL, DRAM

A 3 semester hour course in mathematics is required of all undergraduate students completing teacher education programs within the Department of Curriculum and Teaching.

It is *recommended* that prospective secondary education teachers of speech communication satisfy the Behavioral Social Science Core requirement in part by completion of PSY 1 or 7 (which is a prerequisite to SED 102); also *recommended* that all prospective teachers of academic subjects (7-12) or special subjects (K-12) satisfy the Social Science History and Philosophy Core requirement in part by completion of PHI 14.

Prospective teachers of speech communication must complete at least 21 semester hours of education courses, with advisement, including the following: a 3-semester hour 100-level course in foundations of education; SED 102 (PSY 1 or 7 is prerequisite); SED 151, 157, 117 and 101.

GRADUATE PROGRAMS

GENERAL INFORMATION

The graduate programs in secondary education are offered by the Department of Curriculum and Teaching. They are designed

to serve qualified students who seek either certification as teachers in the secondary schools of New York State or advanced work in curriculum and instruction of a particular subject after obtaining certification or experience as classroom teachers.

Two degree programs in secondary education—the Master of Science in Education for the noncertified person, and the Master of Arts for the certified—have been designed to serve these separate purposes. In subsequent paragraphs the standard requirements and options in these two degree programs are outlined. Substitutions will be permitted *with advisement* where, in the light of the student's background and purposes, other courses are seen by the department to be more appropriate. No substitution is finally authorized until it is entered upon the Graduate Student's Advisement Record.

Applications for admission to graduate programs in secondary education are made to the Graduate Admissions Office in the Admissions Center. Students who have not met the full admission requirements may be advised to complete prerequisite courses under a planned program before becoming eligible for acceptance. Scores on the Graduate Record Examination or a standardized test to be specified by the department chairperson may be used as one ancillary means of evaluation in some cases.

Admission to a master's program is based on a comprehensive review of multiple criteria, including the following:

- A completed application form to the master's program.
- A minimum grade point average of 2.75 in each of two categories: 1) undergraduate liberal arts course work, 2) course work in the area(s) in which certification is sought.
- A written personal statement of professional intent and rationale.
- Two letters of reference that address the applicant's potential to succeed in the teaching profession and in graduate course work.
- An interview, audition, and/or portfolio (requirements in some programs).

The Department understands that any single criterion may not reliably predict a candidate's potential for success in a graduate program. Consequently, candidates are welcome to apply if they do not meet one of the criteria but feel that other aspects of their experience may compensate.

Students in either master's degree program who have not student taught or who are not scheduled to student teach as part of their degree program will be required to enroll in SED 217 or 218 as part of their degree programs.

Foreign language majors must submit satisfactory scores on the Departmental Proficiency Examination or equivalent in the language for which certification is sought.

The New York State Teacher Certification Examinations are required for provisional and permanent certification in academic subjects (English, language other than English, mathematics, science and social studies). For special subjects (art, business, music and speech) required tests, see your adviser.

Before completion of first twelve credits of the Master's Program, students are required to complete the liberal arts component of the teacher certification examinations.

See complete graduate information, page 73.

TEACHING CERTIFICATE AND BILINGUAL EXTENSION FOR THE M.A. IN SPEECH-LANGUAGE PATHOLOGY, see page 410 for information.

SPECIAL NOTE TO GRADUATE STUDENTS CERTIFIED WITHOUT STUDENT TEACHING

The ordinary route to State certification includes student teaching. This is satisfied on the undergraduate level by SED 117 and on the graduate level by SED 217. There are students, however, on the graduate level who obtain employment without student teaching. In such instances, it is the policy of Secondary Education to recommend for a degree, or for state certification, *only*

persons who have had supervision and satisfactory rating by an accredited University's professional staff, either in the form of student teaching or University supervision early in their teaching careers. Thus, Secondary Education has established a course designed to provide University supervision for teachers who have not had student teaching.

This course, SED 218, *does not* satisfy the State requirement to student teach. It does, however, satisfy a degree requirement in the Master of Science in Education program.

Students completing the Master of Science in Education program who wish to be included in Hofstra's group certification recommendation and who have taken SED 218, but who have not student taught, should observe the following procedure:

Following their first full year of teaching experience (whether or not they have yet completed SED 218) they should request that their principal or superintendent send to the Certification Office at Hofstra University a statement that they have taught satisfactorily for one full year as a regularly assigned teacher on the secondary level.

If a student applies to Albany on an individual basis for certification, one year of paid, full-time teaching experience on the secondary level will probably be accepted as fulfilling the student teaching requirement for certification. This, however, does not remove the student's degree requirement of SED 218.

INDEPENDENT STUDY OPTION: students in secondary education courses may elect a fourth semester-hour point as an independent study option on all courses in the department except SED 213 and 264. The maximum number of such credits is three for graduate students. All students must have the approval of an instructor who is a full-time member of the department. Such optional credits may not be applied toward the satisfaction of total semester hour prerequisites for student teaching.

PASS/FAIL OPTION FOR MATRICULATED GRADUATE STUDENTS: students matriculated in a master's degree program in secondary education may designate 3 semester hours of course work to be taken on a Pass/Fail basis, subject to the following conditions: 1) completion of 12 semester hours of the planned program prior to the semester in which they first exercise this option; 2) approval by their academic adviser; 3) designated courses for Pass/Fail basis shall not include SED 205, 213, 264, 201, or special matter-specific methods courses.

MASTER OF SCIENCE IN EDUCATION

The department offers the following programs:

1. For preservice teachers—those who do not satisfy the requirements for teacher certification in a secondary school subject in New York State.
2. For persons wishing to teach the physically handicapped and emotionally disturbed, leading to New York State dual certification in Secondary and Special Education. See programs listed under Special Education.

PRESERVICE TEACHERS AND TEACHERS WITHOUT PREVIOUS PROFESSIONAL EDUCATION

Where academic subject matter deficiencies in the teaching field (see subject areas in undergraduate programs, page 122) are so great as to prevent completion of requisite work within the usual 33-semester hour degree program, additional credits may be required. Matriculated students must complete a minimum of 27 semester hours in residence at Hofstra. However, no more than 6 semester hours may be transferred into the program. Student teaching may be used to meet the 27-hour residency. See also the course descriptions for SED 217 and 218.

To register for courses in the M.S. in Ed. sequence other than SED 264, 205 or 213, a student must (1) be matriculated in the program, *or* (2) have written permission of the course instructor or departmental chairperson prior to the beginning of the course.

PROGRAM REQUIREMENTS

	<i>Sem. Hrs.</i>
1. Phase One	
SED 264. <i>The Teacher in the School Setting*</i>	3
205. <i>Perspectives on Secondary Education*</i>	3
213. <i>Adolescent Development & Secondary Education *</i>	3
Methods course(s) SED 290-299B inclusive (prerequisite: 205, 213, and 264)	3-6
2. Phase Two	
SED 217 or 218	6
Candidates for SED 218 must meet the academic standards normally required for candidates for student teaching.	
SED 201. (Corequisite with SED 217 and 218)	
3. Phase Three	
Course work in the study of the curriculum specific to the area of certification.	3
4. Other Requirements	3
Graduate course work taken in the School of Education and Allied Human Services, with advisement, but not in Secondary Education. Foundations of Education, special education or course work addressing cross-cultural, urban and/or gender issues are especially recommended. Electives supporting the content area of certification selected under advisement.	
Satisfaction of Hofstra New York State registered program in terms of the subject matter background of the candidate (see subject areas in undergraduate programs).	
5. 33 semester hours (in art education, 39 to 57 s.h., with advisement) plus either a comprehensive examination or SED 300, <i>Departmental Seminar</i> .	
6. A minimum grade point average of 3.0 is required for graduation.	
7. New York State requires college-level study of a language other than English for all prospective teachers of academic subjects, 7-12.	

ALTERNATIVES TO FORMAL COURSE WORK

Independent Readings Option: students matriculated in the M.S. in Ed. program may elect, under departmental advisement and subject to availability of faculty, to substitute SED 251 or 252 for up to 6 s.h. of secondary education course work, chosen from among SED 213, 207, 220, 241, 253, 201.

OVERALL REQUIREMENTS

1. At least 33 s.h., no fewer than 27 s.h. of which shall be taken at Hofstra.
2. All course work offered in satisfaction of degree requirements must have been completed within five years prior to conferral of degree.
3. Irrespective of other requirements, each student will satisfy the department's registered program in the area of study in certification sought.
4. Satisfaction of the University comprehensive requirement (see page 78).

MASTER OF SCIENCE IN EDUCATION: BILINGUAL SECONDARY EDUCATION

This program offers a balanced, comprehensive, and integrated view of bilingual/biculturalism with emphasis on practical classroom applications for meeting the needs of culturally and linguistically diverse students. The program is interdisciplinary in nature and is designed to prepare educators for professional service in bilingual instructional settings.

Associate Professor Cloud, *Coordinator*

ADMISSION REQUIREMENTS

1. Provisional certification in secondary education.
2. Satisfy general University admission requirements described on page 73.
3. Demonstration of proficiency in English and the other language on an examination satisfactory to the department and consistent with New York State certification guidelines. Students who fail to achieve a satisfactory score on the language proficiency examination are retested after remediation and are required to achieve a satisfactory score prior to completion of the degree.
4. Interview with both language department and Curriculum and Teaching Department.

DEGREE REQUIREMENTS

1. Successful completion of at least 36 semester hours.
2. Satisfactory evaluation by supervisor and/or cooperating administrator of practicum or internship in bilingual setting.
3. Completion of a special project or comprehensive examination.

I. PROGRAM REQUIREMENTS—Spanish Language

	<i>Sem. Hrs.</i>
A. Core Courses	18 or 21
SED 265. <i>Methods & Materials in Bicultural Education,**</i> 3 s.h.	
267. <i>Teaching English to Adolescent & Adult Speakers of Other Languages,</i> 3 s.h.	
CT 268. <i>Practicum: Teachers of Non-English Speaking Students,</i> 3 s.h. or	
269. <i>Internship: Teachers of Non-English Speaking Students,</i> 6 s.h.	
RES 241. <i>Testing & Evaluation of Bilingual Students,</i> 3 s.h.	
LYST 213. <i>Introduction to Bilingual & Bilingual Instruction for Children & Adolescents,</i> 3 s.h.	
LING 210. <i>Second Language Acquisition,</i> 3 s.h.	
B. Required	12
SPAN 212. <i>Contrastive Bilingualism,</i> 3 s.h.	
213. <i>Development of Social & Psychological Bilingual Trends in the United States,</i> 3 s.h. or	
201. <i>Advanced Structure of Present Day Spanish,</i> 3 s.h.	
214. <i>Bilingualism in Perspective,</i> 3 s.h.	
CT 260. <i>Foundations, Theory & Practice of Bilingual, Bicultural Education,</i> 3 s.h.	
C. Electives, under advisement	6
FDED 248. <i>Multicultural Education in the Metropolitan Area,</i> 3 s.h.	
ANTH 218. <i>People & Cultures of Latin America,</i> 3 s.h.	
CT 266. <i>The Learner in the School,</i> 3 s.h.	
SPAN 213. <i>Development of Social & Psychological Bilingual Trends in the United States,</i> 3 s.h. (if not taken as a required course)	
206. <i>Studies in Cultures of Spanish America,</i> 3 s.h.	

*SED 264, 205 and 213 must be the first three courses of graduate work in education for students with no previous credits in education. It is recommended that students take these courses concurrently.

**Taught Bilingually.

II. PROGRAM REQUIREMENTS—Other Languages

	<i>Sem. Hrs.</i>
A. Core courses selected from IA listing above	18 or 21
B. Required courses in another language, under advisement, including Language Acquisition and Culture	12
C. Electives, under advisement	6

See complete graduate information, page 73.

MASTER OF SCIENCE IN EDUCATION: TEACHING OF ENGLISH AS A SECOND LANGUAGE (TESL)

This course of study leads to certification of elementary and secondary level teachers of English as a second language.

Associate Professor Cloud, *Coordinator*

ADMISSION REQUIREMENTS

For students without previous training or experience in education (preservice):

1. Major study in any of the following: English, languages, speech, linguistics, reading or other related area;
2. Proficiency in English including reading, writing and speaking;
3. Twelve semester hours of foreign language or demonstrated proficiency in a second language;
4. A letter of recommendation from a supervisor or principal and an interview with the coordinator of the master's program;
5. Meet the graduate admission requirements as stated in the University *General Bulletin*.

For students holding certificates in education (in-service):

1. Certification (provisional or permanent) as elementary or secondary school teacher or completion of all education courses leading to certification;
2. Proficiency in English and foreign language study as for preservice students above;
3. Meet the graduate admission requirements as stated in the University *General Bulletin*.

DEGREE REQUIREMENTS

1. The completion of a minimum of 36 semester hours, of which 30 hours must be taken in the core and linguistic components;
2. Completion of a special project or comprehensive examination.

PROGRAM REQUIREMENTS

All (preservice and in-service) candidates take the following:

Area 1. Methodological Component, 9 s.h.

CT	266. <i>The Learner in the School</i>
ELED	225. <i>Teaching English as a Second Language</i>
SED	267. <i>Teaching English to Adolescent & Adult Speakers of Other Languages</i>

Area 2. Linguistic Component, 9 s.h.

ENGL	203. <i>Approaches to English Grammar</i>
LING	210. <i>Second Language Acquisition</i>
LYST	210. <i>Introduction to Literacy Studies</i>

Area 3. Language and Culture, 6 s.h.

SPAN	213. <i>Development of Social & Psychological Bilingual Trends in the United States or</i>
ANTH	200. <i>Fundamentals of Anthropology</i>
FDED	248. <i>Multicultural Education in the Metropolitan Area or, with advisement</i>
CT	260. <i>Foundations, Theory & Practice of Bilingual, Bicultural Education</i>

PRESERVICE, IN-SERVICE REQUIREMENTS

In addition to completing the above courses, students must complete either the preservice or in-service courses.

Preservice Courses

Area 1. TESL University-supervised student teaching, 6 s.h.

	CT 269. <i>Internship: Teachers of Non-English Speaking Students</i>
Area 2. Additional Courses, 6 s.h.	SED 264. <i>The Teacher in the School Setting</i>
	RES 241. <i>Testing & Evaluation of Bilingual Students</i>

In-Service Courses

Area 1. TESL, 3 s.h.	CT 268. <i>Practicum: Teachers of Non-English Speaking Students</i>
Area 2. Additional Courses, 9 s.h.	RES 241. <i>Testing & Evaluation of Bilingual Students</i>
	SPCH 209. <i>Developmental Psycholinguistics</i> or with advisee recommended ELED 202, 205, LYST 218, or LYST 200

Elective, to be chosen under advisement.

MASTER OF ARTS

The program, with a major in secondary education, is designed to provide advanced study for certified teachers on the secondary level and for others of comparable educational preparation and experience who wish to improve their competence in the teaching of a special subject and deepen their understanding of education as a field of study. If undergraduate work in the teaching field has been minimal and the student's credits are insufficient for Hofstra's recommendation for certification, the program is modified to include the requisite work. Candidates for this degree should seek early advisement.

PROGRAM REQUIREMENTS

NOTE 5: only courses taken under *departmental* advisement are assured of applicability to the degree.

	<i>Sem. Hrs.</i>
1. Secondary education course work including SED 205 and a discipline-based curriculum elective, taken under advisement.	18
2. Course work in education, under advisement, outside Secondary Education, Foundations of Education, and Special Education courses are especially recommended.	3
3. A minimum of 3 s.h. in course work in education that addresses cross-cultural, urban or gender issues.	3
4. Satisfaction of Hofstra's registered program in terms of course work in the certification area and elective study.	9
5. Successful completion of a comprehensive examination, or SED 300, <i>Departmental Seminar</i> , or submission of an acceptable master's essay, or a comprehensive examination in addition to the basic 33 semester hours.	33

NOTE 6: supplementary to the foregoing course distributions, a master's level candidate may offer the following option toward the degree: 30 semester hours plus 6 semester hours of *Master's Essay* (SED 301, 302).

6. A minimum grade-point average of 2.75 is required for all courses applicable to the degree. A minimum grade-point average of 3.0 is required for graduation.

For information about the criteria, scope, alternative emphases and kinds of studies acceptable for essays and honors essays, consult the faculty of Secondary Education.

MASTER OF ARTS: SPECIALIZATION IN WIND CONDUCTING

This program is designed to provide advanced study for provisionally certified teachers of music who wish to improve their competence in the field of elementary or secondary education while specializing in the study of wind conducting in educational settings.

ADMISSION REQUIREMENTS

In addition to all requirements for the M.A. program in secondary education above, a conducting audition and interview are required.

PROGRAM REQUIREMENTS

NOTE 5: only courses taken under departmental advisement are assured of applicability to the degree.

REQUIRED COURSES	Sem. Hrs.
Secondary education course work taken under advisement	12
SED 257. <i>Instrumental Conducting: Techniques Methodology</i>	3
258. <i>Advanced Conducting & Rehearsal Techniques</i>	3
259. <i>Wind Literature & Rehearsal Techniques</i>	3
MUS 251-252. <i>Advanced Special Studies</i>	6
201. <i>Introduction to Graduate Study in Music</i>	3
232. <i>Advanced Analysis & Composition</i>	$\frac{3}{33}$

ADDITIONAL REQUIREMENTS

1. Successful completion of SED 300. *Departmental Seminar*, or submission of an acceptable master's essay, or a comprehensive examination in addition to the basic 33 semester hours.
2. Students must arrange for the use of a laboratory ensemble for all three semesters of MUS 251-252. This may be fulfilled by using any elementary or secondary school ensemble.
3. Students must arrange for, administer, plan, rehearse, and conduct a public performance no earlier than the last semester of study. The ensemble used may be any elementary or secondary school ensemble.
4. Irrespective of the option taken for #1 above, all students must pass a comprehensive wind conducting jury prior to their public performance.
5. A minimum grade point average of 2.5 is required for all courses applicable to the degree. A minimum grade point average of 3.0 is required for graduation.

ADVANCED CERTIFICATE

MIDDLE SCHOOL EXTENSION INTO GRADES 5-6

Persons holding the New York State Certificate of Qualification 7-12 or Certification can earn a Certificate for Middle School Extension into grades 5-6, by completing CT 247 (6 s.h.) and electives (6 s.h.), with advisement, detailed below. This extension is registered with the New York State Education Department.

ADMISSION REQUIREMENTS

1. New York State 7-12 Certificate of Qualification or Certification;
2. Satisfactory levels of academic achievement;
3. Application and admission to the program.

PROGRAM OF STUDY

Required Courses 12 s.h.
 CT 247. *Integrated Middle School Extension into Grades 5-6*, 6 s.h.

Electives with advisement, 6 s.h.; 3 s.h. from each of the following groups: candidates for the Certificate must have one reading course at the undergraduate or graduate level.

- a) ELED 205. *Language in the Curriculum*, 3 s.h.
- 228. *Curriculum & Instruction in Communication*, 3 s.h.
- LYST 214. *Language & Literacy in Early & Middle Childhood*, 3 s.h.
- SED 273. *Teaching Writing in the Content Areas*, 3 s.h.
- b) ELED 244. *Models of Teaching*, 3 s.h.
- SED 221. *Middle Level Curriculum*, 3 s.h., with advisement

EDUCATION HONOR SOCIETIES, see pages 70 and 77.

COURSES

In addition to semester notations next to each course, a selection of courses is offered during the January and Summer sessions. Consult the *January* and *Summer Sessions* bulletins for these schedules.

100. *Educational Technology in Secondary and Middle Level Education* 1 s.h.
 Fall, Spring, Summer
 This course introduces the prospective teacher of secondary and middle level students to the applications of information technology in school settings. Focuses on computer-based technology, including telecommunications, for integrating curriculum and facilitating student learning, problem solving, communications, and research. Hands-on experience is provided with a variety of hardware, software, and electronic imaging technologies. Students begin the initial design and production of their electronic portfolios which continue to evolve throughout their teacher education program.

101M. *Applications of Technology in Music Education* 1 s.h.
 January
 Development of basic music computer skills and professional portfolio. Includes sequencer software and its application to creative student assignments, the operation and educational application of one-piece music workstations, fundamentals of computer-assisted composition and music printing techniques, fundamentals of synthesizer programming and identification of available WEB resources. Emphasis is on the use and evaluation of software and teaching aids, the application of this knowledge to teaching at different age levels, and methods for teaching children to use technology effectively in their musical experiences. Students will be required to utilize and build upon information gained in this course in several other music courses throughout their undergraduate degree program. As such, students who have passed SED 100M will be granted access privileges to the Music Technology Lab (210 Emily Lowe) to continue their work and study in this area.

102. *Adolescent Development and Learning* 3 s.h.
 Fall, Spring, Summer
 Theory and research on physical, cognitive, affective, and social development in early and middle adolescence, with implications for learning, teaching, and health in middle and secondary schools. Issues pertaining to literacy, technology, and multicultural education are considered. Requires 20 clock hours of participation/observation in high needs schools. Prerequisites: PSY 1 or 7. May not be taken on a Pass/D+/D/Fail basis. (Formerly *Adolescent Development and the Secondary School*.)

111. *Teaching Music at the Elementary Level* 3 s.h.
 Fall
 This course is designed to provide music students seeking certification the opportunity to investigate current philosophies of music education and to apply their understanding by developing a personal rationale concerning the educational, philosophical and psychological reasons for teaching music. In addition, students explore ways of developing creative music strategies which incorporate technology, multicultural music and integration with other subject matter. Classroom observations (20 hours) and lesson demonstrations are required. Prerequisites: for undergraduates, SED 151, CT 102 and SED 122. There is a material fee of \$10.00. (Formerly SED 111, 112. *The Teaching of Music*.)
 NOTE: SED 111 is not for the elementary classroom teacher.

112. *Teaching Instrumental Music* 3 s.h.
 Spring
 The purpose of this course is to explore all aspects of the instrumental music education program from grade 4 through 12. This course will serve as a study of how to plan, develop, implement, and evaluate all areas of primary and secondary school instrumental music education. Classroom observations (20 hours) and lesson demonstrations are required at the secondary level. Prerequisites: for undergraduates, SED 111. There

is a material fee of \$10.00. (Formerly SED 111, 112, *The Teaching of Music*.)

113 & 114. *The Teaching of Art* 3 s.h. each
Periodically

Study of perceptual stages of development, K-12, with a view towards designing a qualitative and creative art program. In addition to the study of major art media, students learn to stimulate an appreciation of art through multicultural art history and aesthetics. Subjects covered include models for curriculum design, multiculturalism, interdisciplinary art education, modes of assessment, the museum as educator and art for students with special needs.

Prerequisites: for undergraduates, SED 151, SED 102. There is a material fee of \$10.

NOTE: 113 is not for the elementary classroom teacher. Both 113 & 114 are prerequisites for student teaching.

115. *Methods and Materials of Teaching Native Language Arts to the Bilingual Learner* 3 s.h.

Fall, every other year

Theories, problems, and practices of teaching and evaluating native language arts in bilingual classroom settings. Consideration is given to formal language instruction in the native language including reading and writing in the content areas, as well as use of authentic literature to develop language and literacy skills in the native language. Classroom observations are required.

122. *Music for the World's Children: An Introduction to Music Education* 1 s.h.

Fall

Focuses on the development of creative music strategies which enable students to develop their own expressive musical abilities, and in turn, prepare them to facilitate the same process with their future students. Music, and its relationship to other subjects in the curriculum, will be examined as a means to facilitate students' abilities to make connections and conceptualize points of view from a variety of perspectives.

151. *The Secondary School Teacher* 3 s.h.
Fall, Spring, Summer

An examination of the multifaceted role of the secondary school teacher as a reflective practitioner. An introduction to such processes as instructional planning, selection and implementation of a variety of teaching methodologies, assessments, materials, and technologies for the classroom. Focuses on the establishment of learning environments that support diverse student populations and promote the speaking, listening, reading and writing skills of all learners. Requires 20 clock hours of classroom participation/observation in a secondary school. Should be taken prior to special methods courses.

TEACHING SPECIALIZATION COURSES

NOTE: methods courses (153, 157-160) are usually offered only during the fall semester. Students should check with their advisers in Secondary Education in order to plan their sequence of courses.

Students enrolling in these courses are expected to set aside a three-hour block of time one day a week between the hours of 8 a.m. and 3 p.m. for observation and participation in selected public schools.

Fall

153. *Teaching of Foreign Languages* 3 s.h.

157. *Teaching of Speech & Drama* 3 s.h.

158. *Teaching of Business—Accounting (College Accounting, Bookkeeping, Data Processing and Law)* 3 s.h.

159. *Teaching of Business—Skills (Secretarial Skills, Shorthand, Transcriptions, Typewriting & Office Occupations)* 3 s.h.

160. *Teaching of Business—Distributive Education (Merchandising & Salesmanship)* 3 s.h.

Examination of the goals, curricula, nature and structure of the disciplines, teaching strategies, methods, classroom environment, problems, issues, and monitoring and assessment of student learning in the student's field of specialization. Designed to enable the student to make well informed, professional decisions after engaging in critical analysis and reflection. The teaching of one's subject area is studied within the context of working effectively with diverse students. Classroom observations and participation in a secondary school are required. Prerequisites for undergraduates: SED 151, SED 102.

152. *Teaching of English* 3 s.h.

Fall

This course provides preparation for teaching English language and literature in New York State middle schools and high schools. Consideration is given to teaching methodologies that promote reading, writing and literacy from a multicultural perspective in an inclusive classroom environment. Student assignments and assessments reflect the New York State Learning Standards for the English Language Arts. The course focuses on literacy concerns and issues, instructional planning, classroom organization, providing for students with special needs, integrating technology, student assessment, and developing reflective practices in the teaching of English language arts. Consideration is given to how best to meet the needs of a diverse group of students by individualizing instruction and using differentiated texts. Prerequisites: SED 151, 164.

154. *Teaching of Mathematics* 3 s.h.

Fall

Focuses on instructional planning, teaching methodologies, materials, classroom organization and assessment in secondary (grades 7-12) mathematics. Electronic technologies and multiple strategies for engaging students in the discovery and application of mathematical principles are explored. Modes of instruction for promoting reading, writing, and communication skills in mathematics are addressed. Twenty hours of classroom participation/observation are required in secondary schools. May not be taken on a Pass/D+/D/Fail basis. Prerequisites: SED 102, SED 151, and SED 100.

155. *The Teaching of Science* 3 s.h.

Fall

Examination of the goals, discipline, teaching strategies, technology integration, classroom organization, and monitoring and assessing student learning in the area of science. Designed to enable the student to make well informed, professional decisions after engaging in critical analysis and reflection. The teaching of science is studied within the context of working effectively with diverse students. Twenty clock hours of classroom participation/observation in a secondary school is required. Prerequisites: FDED 111 or 127; SPED 101; LYST 101; SED 102 and 151.

156. *Teaching of Social Studies* 3 s.h.

Fall

Examination of social studies education including goals, state and national standards for history and the social sciences, scope and sequence in the New York middle school/secondary school social studies curricula, teaching strategies and methods, especially promotion of reading, writing and literacy in the content area and inclusive practices, classroom environments, problems and issues, and the assessment of teaching practice and student learning. This course should be taken after SED 151 and must be taken prior to student teaching. Includes 20 hours of participation/observation in a secondary school classroom (grades 7-12).

- 161A, 162. *Readings* 1-3 s.h. each
Periodically
The student will make oral and written reports to the instructor on a mutually determined reading or research program. Prerequisite: permission of the instructor.
163. *Teaching Global History* 3 s.h.
Spring
Examination of global history curricula in New York State including content knowledge, conceptual understandings, and strategies for promoting the acquisition of academic, technological and social skills and enhanced literacy in inclusive classrooms. Exploration of the complex multicultural global nature of human experience using a thematic, interdisciplinary, inquiry-based activity and project approach that integrates New York State's and national world history, geography, anthropology, government and citizenship, sociology and economic standards.
164. *Young Adult Literature* 3 s.h.
Spring
Study of canonical and noncanonical texts for young adults in a course that includes developing content knowledge, conceptual understandings and strategies for promoting the acquisition of academic, technological and social skills and enhanced literacy in an inclusive classroom. Texts will address the multicultural nature of human experience. Pedagogy will promote a reader response approach to literature integrated with appropriate writing experiences. (Formerly *Literature for Young Adults*.)
166. *Exploring the Mathematics Curriculum* 3 s.h.
Spring
Focuses on mathematics curriculum. Instructional models are explored for teaching mathematics through inquiry, problem-solving, and interdisciplinary methodologies. Considers common themes in mathematics, science, and technology. Reading, writing, speaking, and listening skills specific to the mathematics curriculum are addressed. Prerequisites: SED 102 and SED 151.
167. *Exploring Curriculum for Languages Other Than English* 3 s.h.
Spring
A course designed to introduce students to recent learning theories, curricular reforms, and technological resources for the teaching of languages other than English and to familiarize students with the New York State curriculum, instruction, and assessment standards in this area. Curricula for enhancing communication and cross-cultural understandings are emphasized. Prerequisites: SED 102 and 151.
170. *Current Issues and Trends in English Education* 3 s.h.
Periodically
Provides a further opportunity for students to explore current issues central to the teaching of English grades 7-12 with particular emphasis on language development in adolescents; teaching reading and composing for varied purposes; relationships between language and learning; and multicultural perspectives on the language arts curriculum.
171. *Experiences in Urban Secondary Education* 3 s.h.
Once a year
This is an observation, participation, and teaching project. A team of secondary education students and a Hofstra University faculty member works in an urban multiethnic secondary school. Provides a reflective experience in a multiethnic interracial urban school setting. Students examine issues in urban education and the rewards, possibilities and problems of working in an urban school. Prerequisite: SED 151. It is recommended that this course be taken prior to student teaching.
178. *Reflective Practice and Classroom Analysis* 3 s.h.
Fall, Spring
The implications of reflective practice and classroom analysis on the understanding of teaching practice and pedagogical approaches; promoting literacy in the content areas; addressing the needs of diverse learners and for those whose native language is not English. Student teachers explore ways to analyze their work as teachers including formal analytical techniques, team-building dialogues, journaling, portfolios, e-mail networking, and audio and video analysis of teaching practice. Integrates topics from prior education classes including educational technology, inclusion, and literacy. Completion of an electronic portfolio as a culminating activity in the secondary education program is required. Must be taken concurrently with SED 179. (Formerly SED 101, *Introduction to Class Analysis*.)
179. *Student Teaching* (Undergraduate) 6 s.h.
Fall, Spring
Full-time student teaching in cooperating schools with direction and supervision from University supervisors. Students have two placements during the semester: one at the middle school level (7-9) and the other at the senior high school level (10-12). Attendance at weekly seminars is required. Student teachers review content area planning including assessment, inclusion, diversity, literacy, resources, and technology and relate pedagogy to content. Special required seminars address issues of child abuse and abduction; substance abuse; and safety, fire and arson. Admission by application and interview only. Application may be obtained at the Office of Field Placement and returned by October 1 for the spring semester and by March 1 for the fall semester. Prerequisites: 19 semester hours of professional education course work, the appropriate methods courses, appropriate grade point averages, and official acceptance into Student Teaching. For admission criteria, see Secondary Education, Undergraduate Programs, on page 371. Corequisite: SED 178, Pass/D+/D/Fail grade only. (Formerly SED 117.)
- 180 through 189, A-Z. *Workshops* 1-3 s.h. each
Periodically
Designed to meet the needs of individuals or specific groups of students or faculties of individual schools who want help in the solution of curricular or other school problems.
As individual subjects are selected, each is assigned a letter (A-Z) and added to the course number. Any course may be taken a number of times so long as there is a different letter designation each time it is taken. functions, substitute teaching, general professional associations for teachers, teachers' unions and teacher centers. Corequisite: SED 117.
201. *Classroom Analysis* 3 s.h.
Fall, Spring
The implications of various types of classroom analyses provided by psychology, sociology, and logic for understanding and dealing with students and content. Analytic patterns covered deal with students' cognitive and affective development and styles, and with teacher styles and linguistic behavior. Prerequisites for M.S. in Ed. students: SED 264, 205, 213 and appropriate methods course(s); corequisite: SED 217 or 218. (Formerly *Classroom Analysis and Control*.)
205. *Perspectives on Secondary Education* 3 s.h.
Fall, Spring
An overview of secondary education as an evolving system, an area of study and a field for professional growth. Identification and differentiation of lines of thought—recent historical, societal and human developmental—bearing on curricular and instructional decision making for secondary school programs. Modes of investigation and rationale formulation underlying the emergence of contemporary secondary level programs. This course must be among the first three courses completed in the M.S. program.
207. *The Dynamics of Curriculum Change* 3 s.h.
Periodically
Same as ELED 207. Prerequisites: provisional certification in secondary education.

208. *Multicultural Curriculum and Teaching* 3 s.h.
Fall, Spring, Summer
Course provides education students with an introduction to multiple multicultural education curriculum approaches, situating multicultural curriculum and teaching within a broader discussion of educational philosophy, current debates on learning and standards, evolving technological and non-technological resources, and the curriculum implications of the diverse nature of the population of the United States. Prerequisites or corequisites for M.S. in Ed. students: SED 205, 213, 264. M.A. students should consult with their advisers. Same as CT 208.
209. *Professional Studies for Teachers in the Secondary Schools* 3 s.h.
Periodically
Designed to supplement the knowledge and skills preservice teachers receive in their courses. Some of the curriculum is designed to meet the individual professional problems of the student teacher. The remainder of the course treats contemporary problems such as problems in teaching mainstreamed youngsters in a regular class. Persistent problems of the profession that are learned better in the field are included: for example, the teacher in the sociocultural environment of the school, and the teacher and professional associations. Corequisite: SED 217.
213. *Adolescent Development and Secondary Education* 3 s.h.
Fall, Spring, Summer
The implications of adolescent cognitive and affective patterns for the total program, with a particular emphasis on implications for teaching method. Classroom observations and participation in a secondary or middle school are required. This course must be among the first three courses completed in the M.S. program. (Formerly *The Adolescent and the Secondary School*.)
217. *Student Teaching* 6 s.h.
Fall, Spring
Full-time students teaching in cooperating schools with direction and supervision from University supervisors. Students have two placements during the semester: one on the middle school/junior high school level (7-9) and one on the senior high school level (10-12). * Attendance at weekly seminars is required. These seminars are designed to help locate, analyze and solve immediate problems in student teaching assignments. Application must be submitted at the Office of Field Placement prior to October 1 for the spring semester and March 1 for the fall. Prerequisites: SED 264, 213 and appropriate special methods course(s), a cumulative grade-point average of 2.75 or better in the field in which certification is sought and in professional education courses. Corequisite: SED 201. Required for M.S. in Education (Sec. Ed.) if candidate has not student taught and does not have teaching experience. Pass/Fail grade only.
The maintenance of a grade point average of 2.75 in all courses in the School of Education after admission with no D's or outstanding INC's. Acceptance into student teaching is contingent upon the completion of at least 15 semester hours of course work at Hofstra with an overall grade point average of 2.75 or better with no D's or outstanding INC's.
* NOTE: exceptions in some subject areas that are specific to the senior high school. See adviser.
218. *Supervised Field Experience and Seminar for Beginning Teachers* 6 s.h.
Fall, Spring
Directed teaching service in the junior and/or senior high school for graduate students in the preservice program who have not student taught and who are currently teaching in a registered secondary school in New York State. Included is a seminar designed to help teachers identify and cope with classroom instructional problems. Exceptions only by departmental permission. The student must obtain permission from the employing school for the supervisory observations by the University staff. Application must be submitted at the Office of Student Teaching
- prior to October 1 for the spring semester and March 1 for the fall. Prerequisites: SED 264, 205, 213 and appropriate special methods course(s), a cumulative grade-point average of 2.75 or better in the field in which certification is sought and in professional education courses. Corequisite: SED 201. Pass/Fail grade only.
The maintenance of a grade point average of 2.75 in all courses in the School of Education after admission with no outstanding D's or INC's. Acceptance into student teaching is contingent upon the completion of at least 15 semester hours of course work at Hofstra with an overall grade point average of 2.75 or better with no D's or outstanding INC's.
220. *The Evolution of the Secondary School Program* 3 s.h.
Periodically
Emphasis on the history of secondary curriculum as it applies to the various specific subject areas. Not intended for students in the M.A. program with a major in education.
221. *Middle Level Curriculum* 3 s.h.
Periodically
An examination of the junior high and middle schools in the life and education of pre- and early adolescents. A study of the origins, rationales, functions, curricular, and instructional practices and issues. Applications will be made to educational problems at this level. Prerequisites for M.S. in Ed. students: SED 264, 205, 213. (Formerly *Early Secondary Education: the Junior High and Middle Schools*.)
223. *Supervised Teaching with Normal, Physically Handicapped, Learning Disabled and Emotionally Disturbed Students* 9 s.h.
Fall, Spring
For matriculated graduate students seeking teacher certification with an extension to include teaching students with physical handicaps, learning disabilities and/or emotional disturbance. Students are periodically visited in a regular junior and/or senior high school and in a special education setting. Weekly seminars are devoted to analysis of teacher's activities, experiences and case studies. Evaluation of teaching effectiveness will be examined. Prerequisites: SPED 245 in the area of the physically handicapped and learning disabled; in the area of the emotionally disturbed, SPED 242 and 245. SED 264, 205, 213 and appropriate methods course(s); a cumulative grade-point average of 2.85 or better in field in which certification is sought. Admission by application and permission. Same as SPED 223A-223B.
225. *Teaching English to Speakers of Other Languages* 3 s.h.
Once a year
An examination of theories, methods and materials used in schools in the United States. Students will be expected to do a research paper or to develop a project to include a theoretical base and a strategy of teaching. 226A, 226B, 227A and 227B: for courses, see Curriculum and Instruction Specializations below.
229. *Individualizing Instruction* 3 s.h.
Periodically
Students create individualized programs in their own and related certification areas, developing alternative modes of (1) organizing curriculum, (2) teaching, and (3) evaluation. Emphasis is placed on matching educational programs to students' learning styles and on effective methods of implementation within local settings. Prerequisite for M.S. in Education candidates: preservice courses up to but not necessarily including student teaching.
231. *Interdisciplinary Approaches to Curriculum and Instruction* 3 s.h.
Periodically
An advanced course designed to investigate and develop a variety of rationales, methods and materials for interrelated subject areas in the secondary school program. Prerequisites: M.A. matriculation or provisional secondary certification.

CURRICULUM AND INSTRUCTION SPECIALIZATIONS

Spring

- 226A. *Curriculum and Instruction in Art for Elementary Schools* 3 s.h.
- 226B. *Curriculum and Instruction in Art for Secondary Schools* 3 s.h.
- 227A. *Curriculum and Instruction in Music for Elementary Schools* 3 s.h.
- 227B. *Curriculum and Instruction in Music for Secondary Schools* 3 s.h.
- 232. *Curriculum and Instruction in English* 3 s.h.
- 233. *Curriculum and Instruction in Foreign Languages* 3 s.h.
- 234. *Curriculum and Instruction in Mathematics* 3 s.h.
- 235. *Curriculum and Instruction in Science* 3 s.h.
- 236. *Curriculum and Instruction in Social Studies* 3 s.h.
- 238. *Curriculum and Instruction in Business** 3 s.h.

Advanced courses for experienced teachers concerned with the critical examination of projected or recently introduced programs in the subject field, the implications for teaching the subject of recent developments in curricular theory, and the application of curricular theory to developing supplemental curricular materials and approach. Designed for M.A. candidates and those possessing provisional secondary level certification.

- 240. *Current Trends in Secondary Education* 3 s.h.
Once a year
An advanced course designed to investigate in-depth current ideas and practices relating to curriculum and instruction. Students and instructor will cooperatively identify a number of specific areas of investigation which will become the focus of the course. Prerequisites: M.S. in Ed., SED 205, 213, 264.
- 241. *Patterns of Curriculum* 3 s.h.
Once a year
A study of contrasting conceptions of curricular structures, theories, principles of curricular design and processes of curricular evaluation. Recurring problematic themes and issues in general curriculum as a field of educational thought and practice. Designed for both nonsecondary and secondary teachers, master's and post-master's educational specialists.
- 242. *Global History in the Curriculum* 3 s.h.
Once a year
Both content and process are addressed to reinforce conceptual learning in the global studies curriculum for grades nine and ten. Topics include the importance of physical geography in shaping regional history, developing a world view in the social studies, tradition and change, world economic resources and global interdependency, political organization and the implications of technological change on human history. Recommended after SED 264 and 294. (Formerly *Global Studies in the Curriculum.*)
- 247A. *Integrated Middle School Extension into Grades 5-6* 6 s.h.
Periodically
Integrated study of pre and early adolescents' development, alternative classroom and school organizations, cooperative strategies, and interdisciplinary curriculum development. Related field experience in grades 5-6 is required. Prerequisite: New York State Certificate of Qualification or Certified in 7-12. Same as CT 247.
- 249. *Career Education Workshop* 3 s.h.
Periodically
Same as FDED 249.

- 251, 252. *Special Readings Seminar* 1-4 s.h. each
Fall, Spring, Summer
Investigations and reports on advanced educational topics adapted to the program of the student. Prerequisite: permission of instructor.
- 253. *Teaching for Thinking* 3 s.h.
Periodically
A course in the design of vehicles for curriculum and assessment that emphasize and develop students' thinking processes. Theory, research, and practice are examined on topics including constructivism, critical inquiry, project-based learning, and reflective self-assessment. (Formerly *Teaching for Thinking in Secondary School Subjects.*) Same as CT 253.
- 254. *Moral Education and Values Clarification* 3 s.h.
Periodically
A practical course in which participants construct programs for classroom, become acquainted with a variety of extant-tested curriculum materials and learn to construct new materials.
- 255. *Experiences in Urban Secondary Education* 3 s.h.
Once a year
This is an observation, participation, and teaching project. A team of secondary education students and a Hofstra University faculty member work in an urban multiethnic secondary school. Provides a reflective experience in a multiethnic, interracial urban school setting. Students examine issues in urban education and the rewards, possibilities and problems of working in an urban school. Prerequisites for M.S. candidates: SED 205, 264 and 213. It is recommended that this course be taken prior to student teaching. M.A. students may take this course with advisement.
- 256. *The Newspaper as a Teaching Tool* 3 s.h.
Summer
This course introduces students to the newspaper as an educational tool for children of all grade levels, K-12, and in every subject area. The newspapers on Long Island and the Metropolitan area contribute editors, Newspaper in Education coordinators, and NIE managers as speakers in the workshop. Students tour *Newsday* and see the newspaper in production. The history and background of Newspapers in Education are presented. Students receive a comprehensive overview of NIE and the practical means to implement it in their classrooms. Curriculum materials and teaching strategies relating to the newspaper are employed.
- 257. *Instrumental Conducting: Techniques and Methodology* 3 s.h.
Summer
This course offers an opportunity for those trained in any conducting method to explore basic and advanced conducting techniques through group and individual training and technical exercises using the "Proactive Conducting Method." This method is designed to provide greater control while achieving extremely musical results.
- 258. *Advanced Conducting and Rehearsal Techniques* 3 s.h.
Summer
This course offers an opportunity to explore, through class study and the use of a laboratory wind ensemble, advanced conducting techniques, gestures, nuances, score study and rehearsal techniques toward the goal of emulating sound in motion. Each day, every participant conducts a college-level wind band which serves as the laboratory ensemble for the course.
- 259. *Wind Literature and Rehearsal Techniques* 3 s.h.
Summer
Details in the study of wind composers and their works of various levels and styles, and how to study and research information

*Applications not accepted for 2001-2002.

about a work. Other topics include rehearsal techniques, score study, the teaching of ensemble performance skills, repertoire lists, and the critical evaluation of ensemble performance.

264. *The Teacher in the School Setting* 3 s.h.
Fall, Spring

An analysis and synthesis of the multidimensional role of the secondary school teacher. Focus on analysis, reflection and decision making as related to the teacher's role. Topics include creating favorable learning environments, planning at various levels, selecting and employing various teaching and learning methods, working effectively with students from diverse populations, and evaluation. Classroom observations and participation in a secondary school are required.

265. *Methods and Materials in Bicultural Education* 3 s.h.
Once a year

Current teaching methods and materials are presented and analyzed. Establish how teachers can adapt instruction for the linguistic and cultural characteristics of students in dual language contexts. Aspects of cross-cultural learning styles to help in the teaching-learning process.

267. *Teaching English to Adolescent and Adult Speakers of Other Languages* 3 s.h.
Once a year

Theories and practices, methods and materials related to the teaching of English as a second language.

270. *Current Issues and Trends in English Education* 3 s.h.
Periodically

Designed to encourage dialogue, problem-posing and demonstrations in the pedagogy of English education. Students are invited to bring practical, philosophical, political and theoretical concerns to this course. Each week, students are responsible for reading assignments, leading informal discussions about the reading and making brief presentations.

273. *Teaching Writing in the Content Areas* 3 s.h.
Spring

Intensive study of the processes of writing as used in the secondary and post-secondary curricula, with emphasis on the relationship between writing and thinking. Writing is viewed as both a response technique and as a learning tool in the interaction with text in each major content area.

275. *The Cooperating Teacher in the Teacher-Training Program* 3 s.h.
Periodically

A course designed to increase the understanding and enhance the effectiveness of those serving or desiring to serve as cooperating teachers for secondary-level student teachers. Treats issues of cooperative development of student teacher talents and the role of the practitioner in the advancement of the teaching profession. Prerequisites: provisional certification in a secondary subject and two years teaching experience or permission of instructor.

276. *Teaching United States History—A Projects Approach* 3 s.h.
Once a year

Course explores ways to motivate junior and senior high school students in United States History classes using cooperative learning and group "projects." Participants examine cooperatives learning theory and practice, design cooperative group projects for different academic skill levels and explore ways of incorporating the projects into 7th, 8th and 11th grade United States History curricula and the 12th grade Economics and Participation in Government curricula. Recommended after SED 264 and SED 294. (Formerly *Teaching American History—A Projects Approach*.)

280 through 289, A-Z. *Advanced Workshops* 1-3 s.h. each
Periodically

Designed to meet the needs of individuals or specific groups of students or faculties of individual schools who want help in the

solution of curricular or other school problems. Prerequisite: permission of Secondary Education faculty.

As individual subjects are selected, each is assigned a letter (A-Z) and added to the course number. Any course may be taken a number of times so long as there is a different letter designation each time it is taken.

TEACHING SPECIALIZATION COURSES

NOTE: methods courses (290-298A, 299A) are usually offered only during the fall semester; 298B and 299B are offered in the spring. Students should check with their advisers in Secondary Education in order to plan their sequence of courses.

Students enrolling in these courses are expected to set aside a three-hour block of time one day a week between the hours of 8 a.m. and 3 p.m. for observation and participation in selected public schools.

Fall

290. *Instructional Patterns for English* 3 s.h.

291. *Instructional Patterns for Foreign Languages* 3 s.h.

292. *Instructional Patterns for Mathematics* 3 s.h.

293. *Instructional Patterns for Science* 3 s.h.

294. *Instructional Patterns for Social Studies* 3 s.h.

296A. *Instructional Patterns for Business-Accounting (College Accounting, Bookkeeping, Data Processing and Law)* 3 s.h.

296B. *Instructional Patterns for Business-Skills (Secretarial Skills, Shorthand, Transcription, Typewriting and Office Occupations)* 3 s.h.

296C. *Instructional Patterns for Business-Distributive Education (Merchandising and Salesmanship)* 3 s.h.

297. *Instructional Patterns for Art History and the Arts* 3 s.h.

298A. *Instructional Patterns for Art in Elementary Schools* 3 s.h.

299A. *Instructional Patterns for Vocal Music in Elementary and Secondary Schools (Formerly Instructional Patterns for Music in Elementary Schools.)* 3 s.h.

Spring

298B. *Instructional Patterns for Art in Secondary Schools* 3 s.h.

299B. *Instructional Patterns for Instrumental Music in Elementary and Secondary Schools (Formerly Instructional Patterns for Music in Secondary Schools.)* 3 s.h.

Study of the specialized curricula, aims, teaching strategies, methods, materials, planning, classroom organizational strategies, classroom environment, and the monitoring and assessing of student learning in one's subject area. Emphasis on developing well informed, critical thinking, reflective, decision making professionals. The teaching of one's subject is studied within the context of working effectively with diverse students. Classroom observations and participation in a secondary school are required: times and sites will be arranged. Prerequisites: SED 205, 213, 264, MUS 107 (299B), MUS 30 (299B). Open only to M.S. in Ed. students.

NOTE: 298A and 298B each require a material fee of \$10.

300. *Departmental Seminar* 3 s.h.
Fall, Spring

Serves an integrative and culminating function with respect to the student's studies and experiences in the School of Education and Allied Human Services. Emphasis is on themes which cut across traditional course and departmental lines; selected student papers and research may be compiled in yearbooks of secondary education. Prerequisites: matriculation in the department and completion of all required course work in professional education. Pass/Fail grade only.

NOTE: satisfactory completion of SED 300 will be accepted in lieu of the secondary education comprehensive examination. SED

300 may *not* be used to satisfy part of the basic 33 s.h. requirements in either the M.S. in Ed. or the M.A.

301, 302. *Master's Essay* 3 s.h. each
 Fall, Spring
 Supervision and instruction leading to the completion of the Master's Essay. Binding fee payable upon registration in 302. Admission by permission of secondary education.

303 through 309, A-Z. *Post-Master's Workshops* 1-3 s.h. each
 Periodically
 Special workshops designed to explore current problems in secondary education. M.A. or M.S. in Ed. candidates must have approval of adviser.

Sociology (SOC)

Administered by the Department of Sociology and Anthropology. Associate Professor Abraham, *Chairperson*

Professors Albert, Krauze, Silver; Assistant Professors Bogard, Vander Ven.

B.A. SPECIALIZATION IN SOCIOLOGY: a total of 32 semester hours in sociology is required for the major. The following four courses are required of all majors, preferably in sequence: SOC 4, 18, 180 and 181. Two additional courses are to be taken; one course selected from SOC 134, 140 or 160 and one course selected from SOC 185 or 191, 192. A minimum of 12 hours of electives in other sociology courses, chosen under advisement. (Courses equivalent to SOC 180 taken outside the department may be substituted for SOC 180, but will not be counted in the 32 s.h. of sociology courses.)

It is recommended that all sociology majors take the sociology section of the Graduate Record Examination (GRE) before graduation. A minimum grade-point average of 2.0 is required for the 30 s.h. of sociology. Required sociology courses in which a grade of D is obtained must usually be repeated.

See complete B.A. requirements, page 82.

A MINOR IN SOCIOLOGY consists of the successful completion of 18 semester hours, with at least nine hours in residence, as follows: SOC 4 and 15 additional hours to be taken, under advisement, with at least two courses chosen from among those required for the major. All candidates must register with the department.

ALPHA KAPPA DELTA: a national sociology honor society, see page 70.

COURSES

In addition to semester notations next to each course, several courses are offered during the January and Summer sessions. Consult the *January* and *Summer Sessions* bulletins for these schedules.

SOC 4 is prerequisite to all other sociology courses with the exception of SOC 18 and 134.

4. *Contemporary Society* # 3 s.h.
 Fall, Spring
 An introduction to basic concepts of sociology and their application to specific aspects of contemporary American and other societies. Credit given for this course or SOC 1, not both.

7. *Crime and Delinquency* 3 s.h.
 Fall, Spring
 Crime causation; the delinquent. Effects of institutional confinement and social ostracism; penology, prevention, social agencies, fieldwork and off-campus lectures.

8. *Sociology of Substance Abuse* 3 s.h.
 Periodically
 The systematic study of the social construction and costs of substance abuse. Specific emphasis is placed on the effects of

substance abuse on various social institutions (family, workplace), and on the several sociological theories which can be applied to explain its occurrence. Other topics include the subcultures of substance abuse, issues of treatment and prevention, abuse and social policy.

9. *Youth, Crisis, and American Culture* 3 s. h.
 See course description, page 428.

10. *Sociology of Sport* 3 s.h.
 Periodically
 Examines the institutionalized character of sport in American society. Issues such as sport and the media, professionalization, race and gender, and violence are discussed from various sociological perspectives.

18. *Social Theory and Social Issues* # 3 s.h.
 Fall, Spring
 Introduction to the major theoretical currents in 19th century sociological thought. The classical tradition in sociological theory is examined with special attention to the contributions of Comte, Spencer, Marx, Weber, Simmel and Durkheim. Specific questions addressed in the work of these individuals include: Can the study of society attain objectivity? Is human equality a utopian dream? How did capitalism evolve? What is the nature of religion and can there be a nonreligious society?

32. *Women and Development* # 3 s.h.
 Periodically
 Examination of the historical transformation of the roles of Asian and African women in relation to the different modes of socio-economic organization of their respective societies. Critical assessment of the impact of social, religious, economic and political systems in defining the status of women in these societies. Credit given for this course or ANTH 32, not both.

34. *Ethnicity and Minority Group Relations* # 3 s.h.
 Once a year
 This course focuses on the critical analysis of the social and political construction of ethnicity and ethnic identity. The specific emphasis is on the United States, but appropriate comparative evidence from other societies is also examined. This course looks at the historical position faced by immigrant and indigenous minority groups. The experiences of such groups as Native Americans, Latin Americans, and European Americans are considered. In addition, contemporary instances of ethnic and minority group conflicts in the global context are examined. (Formerly *Minority Group Problems*.)

36. *Marriage and the Family* 3 s.h.
 Fall, Spring
 Structure and functional analysis of the family studied through comparative cultural materials. Problems of the contemporary American family. Credit given for this course or New College SSG 2, not both.

37. *Parenting, Poverty and Social Policy* 3 s.h.
 See course description, page 428.

80. *Statistics in Sociology* 3 s.h.
 Periodically
 Use of basic statistical analyses to examine sociological data. Topics include measures of central tendency and dispersion, probability, inference and hypothesis testing, analysis of variance and correlations. A component on the utilization of the computer for statistical data analysis is included. (3 hours lecture, 1 hour laboratory.) Credit given for this course or MATH 8 or BIO 100 or QM 1 or PSY 140 or SOC 139 or SOC 180 or New College S 91 or QTB 2. (Formerly SOC 139.)

#Core course

81. *Research Methods in Sociology* 3 s.h.
Periodically
Covers the fundamental issues associated with research in the social sciences. Topics include research design, conceptualization and measurement, reliability, validity and sampling designs. Principal techniques of data collection in sociology including experiments, surveys, participant observation and content analysis are examined. Laboratory exercises include work on research techniques, as well as experience with the utilization of the mainframe computer for data entry and analysis. (3 hour lecture, 1 hour laboratory.) Credit given for this course or SOC 143 or SOC 181. (Formerly SOC 143.)
100. *Honors Essay* 3 s.h.
Fall, Spring
Research for and writing of a substantial sociological essay. Open only to qualified senior sociology majors who desire to graduate with departmental honors and who secure, before registration, written permission of the chairperson and of the instructor who will supervise the essay. This course also meets the requirement for SOC 191.
101. *Sociology of Education* 3 s.h.
Fall
Introduction to education as a social institution, a particular type of formal organization, and an agent of socialization and social control. Analysis of the relation of education to other institutions such as religion, government, the economy and the family, as well as of variations in educational systems and evaluation techniques. Credit given for this course or FDED 115, not both.
102. *Social Institutions* 3 s.h.
Periodically
Analysis of institutions with particular emphasis on American society and the growth of cities; economic, political, religious and kinship organization from a social change perspective.
103. *Social Problems* 3 s.h.
Fall, Spring
Analysis of theories and problems of deviance and social disorganization, with particular emphasis on such problems as war, family disruption, sexual behavior, juvenile delinquency, conflict in mass society, alienation and prejudice.
104. *Sociology of Health and Medicine* 3 s.h.
Once a year
An introduction to some of the major issues of health care in the United States and other cultures; illness as a social phenomenon, the structure of health services, patient-doctor relationships, the medical profession and the economics of health.
105. *Religion and Society* 3 s.h.
Once a year
Analysis of religious institutions and their functions in simple and complex social structures. Intensive analysis of recent contributions to the literature.
106. *Work, Alienation, and Power in Social Life* 3 s.h.
Once a year
This course examines how work affects our lives as individuals, as citizens of a specific society, and as participants in a world economy. Some of the key questions to be addressed in the course include: What is the relationship between work and power? Why do so many people feel alienated at work? Do people benefit equally from work? What is the role of technology in shaping how people work? The course attempts to address these issues by looking at work and labor relations in the United States and comparing them to conditions in other sectors of the world economy. (Formerly *Sociology of Industry*.)
111. *Sociology of Literature and Art* 3 s.h.
Every other year
Social forces that affect the creative and popular forms of literature and other arts in western societies. Art products, audiences, and artists are examined as part of the processes by which various arts are valued and shaped.
112. *Sociology of Film* 3 s.h.
Once a year
Contemporary cinema as a culture clue to social change; an introduction to the social forces involved in film-making in the United States and other cultures; the influence of films on mass and select audiences.
117. *Sociology of Terrorism* 3 s.h.
Once a year
A study of terrorism past and present as a recurrent expression of social conflict; the contrast between individual and collective violence; the relationship between ideologies and extremist movements.
- 132, 133. *Fieldwork*
Fall, Spring
132 - 3 s.h. 133 - 3 s.h.
132A - 2 s.h. 133A - 2 s.h.
132B - 1 s.h. 133B - 1 s.h.
Independent study, internships and field placements to supplement courses in sociology. For Pass/D+/D/Fail credit beyond the courses required for the major. Prerequisite: permission of chairperson.
134. *Race Relations in the United States* # 3 s.h.
Fall, Spring
Examination of major patterns of racial and ethnic relations in the United States. Historical, contemporary and cross-cultural data are combined with prevalent theoretical perspectives to provide a basic understanding of race and ethnic relations as enduring and embedded aspects of United States society. Topics covered include the political and economic dynamics of race relations, institutional racism, prejudice and discrimination. Particular attention is paid to the African-American experience from slavery to the present.
135. *Political Sociology* 3 s.h.
Once a year
Survey of theory and research dealing with such topics as the national power structure of United States society; the social characteristics and functions of leadership; the social determinants of voting patterns; the origins and composition of selective political movements; the processes and patterns of political socialization.
140. *Social Inequality* 3 s.h.
Once a year
Analysis of social classes and structured social inequality; objective and subjective approaches to the relations of status, class and power with emphasis on recent research.
141. *Urban and Community Studies* 3 s.h.
Periodically
An introduction to the history, social organization and ecology of the city with emphasis on the metropolitan New York area and suburban communities. Special attention to inner city neighborhoods and their suburban counterparts and to basic research methods used in community studies.
142. *Global Cities: Politics and Social Change in Comparative Perspective* 3 s.h.
See course description, page 429.

147. *World Population* 3 s.h.
Once a year
A cross-cultural study of major factors that affect births, deaths and migration with emphasis on the social consequences of population growth and decline. Introduction to theories and methods of demographic research.
148. *Society and Personality* 3 s.h.
Periodically
Relationship between the individual personality, society and culture. Recent theories and studies of character and social structure. Credit given for this course or ANTH 148, not both.
149. *Society and Culture in Developing Nations* 3 s.h.
Periodically
Analysis of social, economic, political and religious institutions of developing nations. Case studies in selected areas and problems. Sociological and anthropological aspects of technical assistance programming.
150. *Social Change and Social Evolution* 3 s.h.
Periodically
Analysis of sociological studies of historic social changes and the dynamics of change in the present. Critical study of theories of change and evolution.
- 151, 152. *Readings in Sociology* 1-3 s.h. each
Fall, Spring
Individual oral and written reports on special topics in sociology. Prerequisite: permission of chairperson.
156. *Sociology of Communication* 3 s.h.
Periodically
Survey of communication theory and research with special emphasis on the analysis of the ways in which various forms of communication, oral, written, and electronic, influence content, consciousness and culture. In addition, the course addresses communication on both the interpersonal and mass level in order to shed light on how changes in one affect the other.
160. *Sociology of Gender* 3 s.h.
Once a year
This course analyzes the ramifications of being born female or male (biological sex) and the ways in which gender is socially constructed and maintained by social, economic and political institutions. Also explored is gender as a power system and the consequences of recent shifts in the meaning of masculinity and femininity. The course examines how gender roles and relations are contested by social movements and social change. Students develop an understanding of the basic concepts of gender, gender roles and the gender system. (Formerly *Sociology of Sex Roles*.)
170. *Sociology of Law* 3 s.h.
Once a year
Social organization of the United States legal structure and de-facto processes; societal values and the social bases of law. Empirical studies of the legal profession, juries and judicial decision-making models. The capacity of law to affect social behavior.
171. *Intimate Human Behavior* 3 s.h.
Fall, Spring
Deals with loneliness, human sexuality (both heterosexual and homosexual), changing sex roles, changing structure of the family, sexual dysfunction, aging, illness and death. Credit given for this course or New College SSG 1, not both.
172. *Sociology of Corrections* 3 s.h.
Every other year
Internal and external relations of the postjudicative phase of the criminal justice system in the United States. Probation, courts, parole, prisons and other total institutions are discussed, analyzed and visited, whenever practicable. Alternatives to present practices in corrections are explored. The political economy of capitalism and the prison is emphasized.
180. *Statistics in Sociology* 4 s.h.
Fall
Use of basic statistical analyses to examine sociological data. Topics include measures of central tendency and dispersion, probability, inference and hypothesis testing, correlation and regression, analysis of variance, and nonparametric techniques. A component on the utilization of computers for statistical analysis is included. (3 hour lecture, 3 hour laboratory.) Credit given for this course or MATH 8 or BIO 100 or QM 1 or PSY 140 or New College S91 or QTB 2 or SOC 180A. (Formerly SOC 139.)
- 180A. *Computing and Statistical Analysis in Sociology* 1 s.h.
See course description, page 429.
181. *Research Methods in Sociology* 4 s.h.
Spring
Covers the fundamental issues associated with research in the social sciences. Topics include research design, conceptualization and measurement, reliability, validity and sampling designs. Principal techniques of data collection in sociology including experiments, surveys, participant observation and content analysis are examined. Laboratory exercises include work on research techniques, as well as experience with the utilization of the mainframe computer for data entry and analysis. (3 hour lecture, 3 hour laboratory.) Prerequisite: SOC 180. (Formerly SOC 143.)
185. *Contemporary Sociological Theory* 3 s.h.
Periodically
Critical study of recent trends in sociological theory. The emphasis is on 20th century developments as they bear on current societal and global issues, including but not limited to such perspectives as critical social theory, symbolic interaction, structural functionalist theory, neo-Marxist theory, post-structuralism and postmodernism. Joint readings and individual research projects are required. Students are expected to share their work with the class. Prerequisites: junior standing and completion of four courses in sociology including SOC 18, or permission of instructor.
- SPECIAL TOPICS: courses numbered 187 and 188 are open to students who have completed at least 6 s.h. in sociology and/or related social sciences. These courses deal with innovative or advanced topics and may include individual research or field projects. May be repeated when topics vary.
- Special Topics: major themes in sociology* Fall, Spring
187, 188, 3 s.h. each
187a, 188a, 2 s.h. each
187b, 188b, 1 s.h. each
- INTERDISCIPLINARY SEMINARS: courses numbered 189 and 190 are open to students who have completed at least 6 s.h. in sociology and/or related social sciences. These seminars deal with innovative or advanced topics in sociology in relation to other disciplines and may include individual research and field projects. May be repeated when topics vary.
- Interdisciplinary Seminars: subjects related to sociology and other disciplines*
Fall, Spring
189, 190, 3 s.h. each
189a, 190a, 2 s.h. each
189b, 190b, 1 s.h. each
- 191, 192. *Advanced Seminar in Sociology* 3 s.h. each
Fall, Spring
Presentation of a topic that reflects broad understanding of sociological ideas and modes of analysis with current significance

to the discipline. Through joint readings and individual research, advanced students develop ideas relevant to the theme of the course. Students are expected to share their work with the class. Topics vary from semester to semester. Prerequisite: completion of four courses in sociology or permission of instructor. May be repeated for credit when topics vary. (Formerly *Senior Paper/Seminar*.)

210. *Advanced Studies in Sociology of Education* 3 s.h.
Once a year

Fundamental principles of sociology are applied to educational practice. Significance of sociology as an analytic tool for understanding the processes of education lies in its distinctive shift in emphasis from individual to group determinants of behavior. Concepts of organization, stratification, social control, socialization and social change are helpful for investigating the group contexts in which children learn; implications are for innovative group practices which are most likely to encourage learning.

219. *Interdisciplinary Seminar: Contemporary Hispanic Literature and Society* 3 s.h.

Summer
Same as SPAN 219.

250. *Readings in Sociology* 1-3 s.h.
Periodically

Independent study on special topics in sociology. Prerequisite: permission of chairperson.

251, 252. *Special Topics Seminar: Suburban Problems* 3 s.h. each
Periodically

Individual and/or group investigation and reports on advanced sociological topics related to suburban problems. Prerequisite: permission of instructor or chairperson.

272. *Sociology of Juvenile Corrections* 3 s.h.
Periodically

Analysis of the social organization of juvenile corrections and rehabilitation in the United States. Includes: visiting lecturers, field trips and class lectures on the historical development of juvenile corrections; the social obstacle to rehabilitation of minors; class struggle and youth crime and correction; corrections as a career; social implications of a separate rehabilitation system for youth and related areas. An exploration of alternatives.

Spanish (SPAN)

Administered by the Department of Romance Languages and Literatures. Professor Schwab, *Chairperson*

Professors Bussell-Thompson, DaSilva, McNair; Associate Professors Cao, Heller; Assistant Professor Sampedro.

B.A. SPECIALIZATION IN SPANISH: 33 semester hours in Spanish beyond SPAN 4 as specified below.

- 1) No more than 9 credits of advanced language and reading courses—SPAN 5, 109 or 110, 111, 112—can be counted towards the major. Chosen under advisement.
- 2) 6 credits in culture: SPAN 113A, 113B, or equivalent.
- 3) 6 credits in survey courses required: either 114A or 115A, and either 114B or 115B.
- 4) At least 9 credits in other advanced literature courses chosen under advisement.
- 5) 3 credits of the senior seminar in literature.
- 6) It is recommended that Spanish majors take at least one course in comparative literature.

Credit in a language course cannot be given to a student who has already earned credit for a higher-numbered course in the same language when the course numbers in question indicate

level of comprehension and ability in the introductory and intermediate study of that language.

NOTE: language laboratory work is required in all modern foreign language courses on the 1, 2, 3, 4 level.

B.A. SPECIALIZATION IN IBERO-AMERICAN STUDIES: 36 semester hours as follows: 12 semester hours chosen from SPAN 112 or 121, 113A or 113B, 125, 126; 12 semester hours chosen from SPAN 114B, 115B, 180, 195, or any other course in Spanish literature, taken under advisement; ANTH 105, ECO 110, HIST 142, PSC 130.

B.A. SPECIALIZATION IN IBERO-AMERICAN STUDIES WITH A MINOR IN INTERNATIONAL BUSINESS: 54 semester hours as follows: 24 semester hours in Spanish as described above but including SPAN 121; ANTH 105, ECO 110, HIST 142, PSC 130; 18 semester hours in business courses chosen from IB 150, 162, 163; MKT 101, 170; MGT 101, 171.

See complete B.A. requirements, page 82.

TEACHING OF SPANISH IN HIGH SCHOOL, see page 374.

A MINOR IN SPANISH consists of 18 semester hours, at least six hours in residence, beyond SPAN 4, as follows: no more than 9 credits from SPAN 5, 109 or 110, 111, 112, and at least 9 credits of culture and/or literature (from courses 113A-197), 3 of which must be literature.

A MINOR IN IBERO-AMERICAN STUDIES consists of 18 semester hours, with at least 6 semester hours in residence, as follows: 12 semester hours chosen from SPAN 112 or 121, 113A or 113B, 125, 126; 6 semester hours chosen from ANTH 105, ECO 110, HIST 142, PSC 130.

SUMMER STUDY IN SPAIN, see International Study, page 17.

MASTER OF ARTS IN SPANISH*

BILINGUAL GRADUATE PROGRAMS, see Bilingualism.

INTENSIVE SUMMER LANGUAGE PROGRAM

Beginning Spanish 9 s.h.
(The equivalent of SPAN 1, 2, 3.) No previous language experience necessary. An accelerated program with stress on the audio-lingual aspect of the language. Intensive practice in listening and speaking. Cultural and literary readings.

Advanced Spanish 9 s.h.
(The equivalent of three of the following: 110, 111, 112, 113A or 113B, 114A, 115A.) An accelerated program providing intensive practice in speaking, listening comprehension, reading and writing. Culture and civilization. Prerequisite: SPAN 5 or equivalent.

Summer Language Institute 3 s.h. each
SPAN 209, 210 and 211 are designed for foreign language and prospective language teachers.

Graduate Spanish 6 s.h.
(The equivalent of two of the following: 221-226.)

SIGMA DELTA PI: a national Spanish honor society, see pages 72, 77

*Applications not accepted in 2001-2002. For further information, contact the Department of Romance Languages and Literatures.

SPANISH LITERATURE IN TRANSLATION, see Spanish course listings.

COURSES

In addition to semester notations next to each course, several courses are offered during the January and Summer sessions. Consult the *January* and *Summer Sessions* bulletins for these schedules.

1. *Elementary Spanish* 3 s.h.
Fall, Spring
Fundamentals of structure. Oral drill. Prerequisite: placement test prior to registration for students who have taken Spanish previously.
2. *Elementary Spanish* 3 s.h.
Fall, Spring
Continuation of 1. Selected readings. Prerequisite: SPAN 1 or equivalent by placement test score.
- 2R. *Review of Elementary Spanish* 3 s.h.
See course description, page 429.
3. *Intermediate Spanish* 3 s.h.
Fall, Spring
Structural review. Readings and conversations on the culture of Spain and Latin America. Composition. Prerequisite: SPAN 2 or equivalent by placement test score.
4. *Intermediate Spanish* 3 s.h.
Fall, Spring
Readings, composition and conversations on Spanish and Latin-American writers. Prerequisite: SPAN 3 or equivalent by placement test score.
5. *Advanced Reading* 3 s.h.
Fall, Spring
Development of reading proficiency and introduction to critical approaches to interpretation. Prerequisite: SPAN 4 or permission.
106. *Contemporary Journalism* 3 s.h.
Periodically
Readings in current Latin-American and Spanish periodicals, with emphasis on business, government, education, international trade, demographic statistics and the evolving role of women. All readings and discussion will be in Spanish. Prerequisites: SPAN 4 or equivalent and permission of department.
108. *Individualized Oral Communication* ½ s.h.
Fall, Spring
Stresses authentic intonation patterns, oral proficiency and listening comprehension. Students meet on an individual basis once a week for twenty-five minutes with a native Spanish-speaking instructor. These sessions are augmented by language laboratory and off-campus experiences. Prerequisite: SPAN 4 or equivalent. Spanish major or minor, or students concurrently enrolled in any Spanish course beyond SPAN 4.
NOTE: may not be used to satisfy the foreign language requirement; course may be taken for a total of four semesters with a maximum of 2 s.h. applied toward the B.A. degree.
- 109, 110. *Advanced Spanish Conversation* 3 s.h. each
109: Fall; 110: Spring
Intensive training in oral practice and self-expression. Discussions on assigned topics with vocabulary preparation, oral reports, and presentations in response to cultural texts. Major or minor credit for either 109 or 110, not both. Prerequisite: SPAN 4 or permission. (Formerly *Spanish Conversation and Oral Practice*.)
111. *Advanced Spanish Grammar* 3 s.h.
Annually
Problem areas in Spanish grammar. Class exercises supplemented with writing assignments both analytical and creative. Prerequisite: SPAN 4 or permission. (Formerly *Structural Analysis*.)
- 111B. *Spanish for Spanish Speakers* 3 s.h.
See course description, page 429.
112. *Advanced Spanish Composition* 3 s.h.
Annually
Exercises intended to develop both communicative and creative writing skills. Practice with different techniques and modalities of writing, from summary, description, dialogue, narrative, review and essay, to formulaic writing such as that of applications, curriculum vitae, official or commercial letters, and problematic areas of translation. Prerequisite: SPAN 4 or permission.
Prerequisite for all courses numbered 113A through 197; successful completion of SPAN 5, 111, 112, or permission.
- 113A. *Culture and Civilization of Spain* 3 s.h.
See course description, page 429.
- 113B. *Culture and Civilization of Latin America* 3 s.h.
See course description, page 429.
- 114A. *Introduction to Spanish Literature I* 3 s.h.
Periodically
A survey of Spanish literature from the Middle Ages to the Renaissance and the Golden Age. Prerequisite: SPAN 5, 111, 112, or permission. Credit given for this course or SPAN 114, not both. (Formerly SPAN 114, *History of Hispanic Literature*.)
- 114B. *Introduction to Spanish-American Literature I* 3 s.h.
Periodically
An overview of Spanish-American literature and historiography from the pre-Columbian through the Colonial time to the 1880s. Theoretical and critical discussions of readings, films, documentary and other available materials on the period. One of the main goals of the course includes the revision and challenge of certain traditionally accepted concepts such as *discovery*, *New World*, *Indian*, or even *Latin America*, and their relocation in a non-eurocentric perspective. Prerequisite: SPAN 5, 111, 112, or permission. Credit given for this course or SPAN 198, not both. (Formerly SPAN 198, *Spanish-American Literature*.)
- 115A. *Introduction to Spanish Literature II* 3 s.h.
Periodically
A survey of Spanish literature from the 18th to the early 20th century covering works representative of "La ilustración," the various literary movements of the 1800s (Romanticism, "Costumbrismo," Realism and Naturalism), and up to the generations of 1898 and 1927. Prerequisite: SPAN 5, 111, 112, or permission. Credit given for this course or SPAN 115, not both. (Formerly SPAN 115, *Oral Interpretation of Literature*.)
- 115B. *Introduction to Spanish-American Literature II* 3 s.h.
Periodically
An overview of Spanish-American literature from the late 19th century to the present, covering a variety of genres (poetry, short story, essay, testimonio, and the novel), with close attention to relevant literary and socio-political contexts. This course explores themes such as Spanish-American identity, the tensions between

nationalism and globalization, race and national cultures, the relationship of history to literature, representations of gender and the body Hispanic. Prerequisite: SPAN 5, 111, 112, or permission. Credit given for this course or SPAN 199, not both. (Formerly SPAN 199, *Modernismo to the Contemporary Period*.)

116, 117, 118, 119. *Readings in Spanish* 1 s.h. each
Fall, Spring

Designed to help the student maintain proficiency and interest in Spanish and enhance the reading facility within the specific field. Prerequisite: completion of SPAN 4 or equivalent.

120. *Cultural Studies in Spain Today* 3 s.h.
Summer

A study of present-day Spain, its culture, institutions, and art, as well as their origins and evolution. Offered only in the Hofstra in Spain Summer Program. Prerequisite: SPAN 5, 111, 112, or permission. (Formerly *Contemporary Castilla*.)

121. *Language and Form in the Commercial World* 3 s.h.
Periodically

A combined conversation and writing course: oral-audio skills, with stress on business and professional contexts (telephone and office etiquette, legal interrogation, interviewing and interpreting, etc.), while developing simultaneously techniques of personal and commercial correspondence. Individual practice, oral and written, with fieldwork on the development of topical vocabularies for specific industrial application. All readings and discussion will be in Spanish.

122. *Economic History of Spain and Latin America: Literary Projections* 3 s.h.
Periodically

A cultural analysis of the geography and resources of the Hispanic countries, the origins and cultural consequences of their economic systems and industrial development. Focus on representations of land and land use (both rural and urban), exploring themes such as: landscape in Spanish poetry of the 20th century, nature and neo-colonial extract economies in the Spanish-American *novela de la tierra*, and the shaping force of the plantation of Afro-Caribbean literature. Prerequisite: SPAN 5, 111, 112, or permission. (Formerly *Economic History of Spain and Latin America*.)

123. *Politics of the Hispanic World* 3 s.h.
Periodically

The course focuses on the implantation of the Spanish political, religious and cultural institutions in the Latin-American Colonies and the later transition to national entities (*caciquismo*, *machismo*, Catholicism, military dictatorship, etc.) and their literary projections. It explores locations and representations of power and resistance (the state, the church, the convent, the plantation), along with the possibility of resistance to an authority always already in place, and dual role of the body as material and theoretical protagonist in that resistance, and the problematic status of woman in an inherited male culture. Prerequisite: SPAN 5, 111, 112, or permission.

124. *Portrait of the Hispano: The Question of Identity* 3 s.h.
Periodically

The issue of national and regional identity has been a constant obsession of writers and thinkers in Spain and Spanish America since at least the end of the 19th century. This course traces the trajectory of this obsession through the writings of authors such as Unamuno, Martí, Paz, J. Goytisolo, and Lezama Lima. Who qualifies for inclusion in these formulations? Who is excluded from them? Is it even possible to describe the character of a people or a nation? What is the social function of such portraits?

Prerequisite: SPAN 5, 111, 112, or permission. (Formerly *Portrait of the Hispano*.)

125. *Hispanic Presence in the United States* 3 s.h.
Periodically

An exploration of Hispanic cultures in the United States, from the colonial period through the present, with attention to diverse forms of expression (literature, film, music). This course focuses on Latino identity, the changing relations of Latinos to the majority culture, the tensions between preservation and modifications of traditions, the issues of nostalgia, cultural memory, hybridity, and linguistic purity. Prerequisite: SPAN 5, 111, 112, or permission.

126. *Contemporary Hispanic Thought: The Usable Past* 3 s.h.
Periodically

The connection between Iberia and Latin America, the complex relationship between their histories, cultures, politics and literary traditions as revealed primarily in fiction and the essay. Concentrating on the past as both the subject of fiction and as a source of inscribing fiction, the course traces the ways in which writers self-consciously participate in the construction of a Latin-American canon. Issues surrounding *colonization and independence*, *mestizaje* and melting pot, domination and self-determination, and the ambivalence of history in a "new" world is addressed. Prerequisite: SPAN 5, 111, 112, or permission. (Formerly *Contemporary Hispanic Thought*.)

127. *United States and Latin America: Unequal Relations* 3 s.h.
Periodically

An exploration of United States-Latin American relations through selected literary texts, from the Latin-American wars of independence to the present. Traces the history of United States interventions in the region (from the Mexican-American War to recent events such as the United States invasion of Panama). Considers the Americanization of Latin America, Latin American immigration to the United States and its impact on United States culture, and the concepts of the border and of cultural hybridity. Prerequisite: SPAN 5, 111, 112, or permission. (Formerly *United States and Latin America: Friend or Foe*.)

128. *Spain and Latin America Today: Changing World* 3 s.h.
Periodically

A study of current events and their impact on popular culture and literary representations nation by nation, day by day. The course pays attention to main leaders of the Hispanic world, forces of *dissidence* and terrorism, sources of crisis, and sources of hope. It also focuses on the integration of popular culture and globalization processes as part of the construction of new identities. Prerequisite: SPAN 5, 111, 112, or permission.

140. *Intensive Approach to Oral and Written Skills* 6 s.h.
Periodically

For majors and students with a special interest in intensive exposure to language skills: listening-comprehension, speaking, reading and writing. Credit given for this course or SPAN 111 or 112.

151. *Middle Ages Through Renaissance* 3 s.h.
Periodically

Lectures and discussions on Spanish literature from its origins to the beginnings of the 16th century. Prerequisite: SPAN 5, 111, 112, or permission.

162. *Spanish Golden Age Theater* 3 s.h.
Periodically

Dramatic and performance theories and praxis, theatrical development, techniques, and the evolution of dramatic literature in 16th and 17th-century Spain. A cultural, historical, and literary background provides the framework for close textual readings. In addition to studying the development of farce with Lope de Rueda's "pasos" and Cervantes' "entremeses," selected works are

- covered from the pre-Lope playwrights such as Juan del Encina and Gil Vicente, among others, through Lope de Vega and his followers—mainly Tirso de Molina and Ruiz de Alarcón—, culminating in the baroque theater of Calderon and the “auto sacramental.” Prerequisite: SPAN 5, 111, 112, or permission. (Formerly *Spanish Drama of the Golden Age*.)
171. *Don Quixote* 3 s.h.
Periodically
Close analysis and discussion of Cervantes’ masterpiece *Don Quixote*. A study of the principal critical works and readings. Prerequisite: SPAN 5, 111, 112, or permission. (Formerly *Cervantes*.)
180. *Advanced Seminar on Varying Literary Topics* 3 s.h.
Once a year
Advanced seminar on a literary research theme to be selected annually. Readings, reports and discussions. Open only to advanced students, namely seniors and/or juniors who have satisfactorily completed two literature courses. May be repeated for credit provided change in course content. Prerequisite: SPAN 5, 111, 112, or permission. (Formerly *Literature Seminar*.)
190. *Senior Seminar in Hispanic Literatures and Cultures* 3 s.h.
See course description, page 429.
192. *Romanticism, Realism and Naturalism* 3 s.h.
Periodically
Study of major literary movements in 19th-century Spain through analysis of representative works of poetry, drama, essay and the novel. Prerequisite: SPAN 5, 111, 112, or permission. (Formerly *Romanticism and Realism*.)
195. *The Generation of 1898* 3 s.h.
Periodically
The Generation of 1898: historical background and projection into the 20th-century. Analysis of works by Azorín, Baroja, Antonio Machado, Unamuno, Valle-Inclán, and others. Current revisionist views on the subject of Spanish “literary generations.” Prerequisite: SPAN 5, 111, 112, or permission. (Formerly *Contemporary Literature*.)
197. *Honors Essay* 3 s.h.
Fall, Spring
The research for and the writing of a substantial essay (in either Spanish or English) in the field of Spanish or Spanish-American literature and culture. Open only to senior Spanish majors who desire to graduate with departmental honors. Prerequisite: written permission of the professor who will supervise the essay and appropriate grade point average. (See Departmental Honors Program.) (Formerly SPAN 100.)
- Courses numbered 200 and above are open only to matriculated graduate students or by permission.*
201. *Advanced Structure of Present Day Spanish* 3 s.h.
Periodically
Detailed study of Spanish syntax, with especial attention to the problematics of differing structures between Spanish and English.
202. *The Spanish Language* 3 s.h.
Periodically
Historical development of Spanish out of Latin into the modern language.
203. *Literary Criticism of Spanish Prose of the 20th Century* 3 s.h.
Periodically
Analysis of literary prose works and the study of the literary movements that characterize them.
204. *Literary Criticism of Spanish-American Prose of the 20th Century* 3 s.h.
Periodically
Analysis of literary prose works and the study of the literary movements that characterize them.
205. *Studies in the Culture of Spain* 3 s.h.
Periodically
A review of contemporary period. Study of representative texts depicting various aspects of the civilization of Spain today—political, economic and social.
206. *Studies in Cultures of Spanish America* 3 s.h.
Once a year
An anthropological study of pre-Columbian to present day Spanish America.
208. *Foreign Language Workshop* 3 s.h.
Periodically
Structure of the Spanish language. Application of latest methods, techniques and materials.
- 209, 210, 211. *Summer Language Institute* 3 s.h. each
Summer
Designed for foreign language and prospective language teachers. Stress on listening comprehension and speaking; application of latest methods, techniques and materials; applied linguistics, culture and civilization.
212. *Contrastive Bilingualism* 3 s.h.
Fall
A contrastive analysis of Spanish and English in terms of various linguistic principles. The course will focus especially on the pedagogical implications of linguistic problems.
213. *Development of Social and Psychological Bilingual Trends in the United States* 3 s.h.
Spring
Diachronic and synchronic approaches to language. English and Spanish are studied in their variants vis-a-vis principles of language. The discussion of general topics will encompass problems of Hispanics in the United States. Recommend taking 212 prior to taking this course.
214. *Bilingualism in Perspective* 3 s.h.
Once a year
Historical examination of bilingual cultures of Europe (especially of Spain) and of the Americas. Analysis is made of similar developments and trends in contemporary societies.
215. *Bilingual Workshop* 3 s.h.
Fall
Theoretical and practical consideration of language in action in a mixed cultural group. The course will take advantage of live situations and community resources. The behavioral motivation and degree of acculturation desired will be analyzed. Existing materials and principles for creating and adapting materials will be treated as well.
216. *Literature of Protest and Nationalism* 3 s.h.
Summer
The literature of revolution and reform, from the wars of independence to the present. The framework will be historical and sociopolitical in perspective.
218. *People and Cultures of Latin America* 3 s.h.
Summer
An integrated study of the institutions, culture groups and literary traditions of Spanish America. Social and economic functions of the “hacienda,” Church, politics, university and

others in combination with literary works that exemplify these topics. Specific regions or countries are examined individually. Taught in English. Same as ANTH 218.

219. *Interdisciplinary Seminar: Contemporary Hispanic Literature and Society* 3 s.h.
Summer

Analysis of significant aspects of the culture of poverty, migratory processes, changing social values and institutions as well as the impact of industrialization upon the Hispanic groups. Sociocultural assimilation of these groups in the United States. Representative writers, both in sociology and in literature, will be selected. Taught in English. Same as SOC 219.

220. *Teaching English in a Bilingual Program* 3 s.h.
Periodically

Material, method and curriculum for the teaching of English in a bilingual, bicultural program.

221 through 226. *Major Authors, Literary Movements and Genres* 3 s.h. each
Periodically

Intensive study of an outstanding author, movement or literary genre of Spain and Spanish America. Subjects to be announced.

251, 252. *Readings in Spanish* 3 s.h. each
Periodically

Literary works and current literary criticism in selected fields. Oral and written reports at seminar sessions. Prerequisite: permission of department.

301. *Master's Essay* 3 s.h.
Fall, Spring

Candidates who choose to write a master's thesis will do so under the supervision of a graduate adviser.

305. *Comprehensive Studies* 3 s.h.
Periodically

Designed to analyze the movements of all Spanish and Spanish-American literature from its beginning to the 17th century. Each literary movement is studied in depth, after which an examination is given. No credit for a grade of less than B. This course will serve as part of the option for the comprehensive examination. Prerequisites: 21 s.h. of graduate work in Spanish and permission of the program coordinator. This course may not be used to satisfy the basic 33 s.h. requirement for the M.A. in Spanish.

306. *Comprehensive Studies* 3 s.h.
Periodically

Designed to study all Spanish and Spanish-American literature from the 18th to the 20th century. Each literary movement is studied in depth, after which an examination is given. No credit for a grade of less than B. Both 305 and 306 must be taken in order to satisfy the option for the comprehensive examination. Prerequisites: 21 s.h. of graduate work in Spanish and permission of the program coordinator. This course may not be used to satisfy the basic 33 s.h. requirement for the M.A. in Spanish.

307. *Bilingual Doctoral Seminar* 3 s.h.
Spring

An exploration of related research topics in bilingual/bicultural education. Development and design of specific research proposals, which will be submitted to the department's bilingual faculty and graduate students as the first step in fulfillment of the doctoral course requirements intended for all Ph.D. candidates in the Educational Research and Reading Bilingual/Bicultural programs.

308. *Bilingual Doctoral Seminar* 3 s.h.
Spring

This course is a continuation of 307. Prerequisite: SPAN 307.

309. *Bilingual Doctoral Seminar* 3 s.h.
Spring

This course is the last sequential course of the required 9 hours for the doctoral seminar for all Ph.D. candidates in the bilingual programs. Prerequisites: SPAN 307, 308.

LITERATURE IN TRANSLATION (SPLT): 51 through 58

51. *Don Quixote and the Modern Novel* # 3 s.h.
Spring

Modern Spanish and Latin-American novels in the tradition of Cervantes' *Don Quixote*, with emphasis on point of view, theme, time and space, structure, characterization and style.

52. *Interpreting the Hispanic Legacy* # 3 s.h.
See course description, page 429.

53. *Early Spanish-American Heritage* 3 s.h.
Fall

A comprehensive study of literary, social, and political thought of Latin America by some of its leading writers from the colonial period through independence. Taught in English.

54. *19th- and 20th-Century Latin-American Literature* 3 s.h.
Spring

Social, political and literary developments. Taught in English.

55. *20th-Century Spanish Outlook* 3 s.h.
Fall

Twentieth-century trends in Spain as seen through writers of the generation of '98 and the generation of '27. Works by Unamuno and Lorca, among others will be discussed. Taught in English.

56. *Spain Since the Civil War* 3 s.h.
Spring

Contemporary Spain seen through writings from 1940 to the present. Special attention is given to continuing developments in essay, fiction and theater. Taught in English.

57. *Gender and Culture: Women Through the Lens of Spanish Female Writers* # 3 s.h.
Periodically

Portrayal of women in the narratives of Spanish female writers. Fictional roles are used as models for examining said roles in Spanish society in differing historical periods. Dynamics of gender and power, society and culture serve as backdrop for the readings. Interpretation of the readings is two-fold: the literary critique of characterization and narrative strategies, and the analysis of sociocultural patterns that inform the writers' world.

58. *The Empire Writes Back: Autobiography and Resistance in Colonial Spanish America* # 3 s.h.
See course description, page 429.

Special Education (SPED)

CENTER FOR SPECIAL EDUCATION AND REHABILITATION,
SEE PAGE 23.

Administered by the Department of Counseling, Research, Special Education, and Rehabilitation. Associate Professor Wong,
Chairperson

Special Education offers master's and professional diploma programs which provide a comprehensive, integrated experience aimed at developing skills and competencies in educating the exceptional child, adolescent and adult. The special education programs are such that each student receives broad based experiences in all areas of special education. There are, at the

#Core course

same time, areas of focus, whereby a student establishes further expertise with one or more specific types of handicapping conditions.

PROGRAMS

MASTER OF SCIENCE IN EDUCATION: competency based teacher education programs which prepare professional personnel in the education of children and youth with retarded mental development and emotional disturbances and those with physical, neurological and learning disabilities.

Special education programs are designed for teachers possessing their elementary or secondary teaching certificates and/or certification in speech or reading. Our programs lead to New York State certification as a teacher of special education. See Program I.

Extended programs are available also for students with no formal preparation in the field of education. See Program II.

The early childhood special education program is designed to prepare students with undergraduate training and certification in elementary education (PreK-6), or in special education to become teachers of young children (birth-5) with disabilities. See Program III.

Extended programs are available also for students with no formal preparation in the field of education. See Program IIIA.

The dual program in reading and special education (K-12) leads to New York State certification in reading and special education. See Program IV.

The dual program in special education and art therapy leads to New York State certification in special education (K-12). See Program V.

Special Education Bilingual Extension Program leads to New York State certification in special education (K-12). See Program VI.

The Special Education programs meet all of the standards for the preparation of professional personnel in Special Education established by the Council for Exceptional Children (CEC).

MASTER OF ARTS: for students who have completed a basic program in special education on the undergraduate level. See Program VII.

MASTER OF PROFESSIONAL STUDIES: students working toward a Master of Science in Education, Special Education, and possessing a Master of Science in Education degree in a related field will receive a Master of Professional Studies degree.

CONCENTRATION IN THE EDUCATION OF CHILDREN WHO ARE GIFTED/TALENTED: designed for certified teachers and for students enrolled in special education programs. See page 400.

PROFESSIONAL DIPLOMA: designed to meet specific individual requirements for professional careers in the development and coordination of clinical and instructional activities in school or district-wide programs, research and/or pedagogy in special education. For admission and program requirements, see Program VIII. Students with advanced standing and previous training and experience in other programs may take individual courses with the approval of the department.

Applications and instructions for all programs are available in the Graduate Admissions Office in the Admissions Center and in the Department of Counseling, Research, Special Education, and Rehabilitation in Mason Hall.

Program Coordinators

Special Education Coordinator: Professor Bowe

Early Childhood Special Education: Assistant Professor D.

Schwartz

Education of Children with Mental Retardation:

Education of Children with Emotional/Behavior Disorders:

Professor Gold

Education of Children with Physical, Neurological and Learning Disabilities: Associate Professor Zalma

Education of Children who are Gifted and Talented:

Professional Diploma: Associate Professor Zalma
Special Education/Art Therapy: Associate Professor Zalma
Reading/Special Education: Associate Professor Zalma

ADMISSION REQUIREMENTS—for Master's Programs

1. completion, with an acceptable grade-point average, of a bachelor's degree at an accredited institution;
2. personal interviews with department members;
3. educational and professional references (three);
4. voluntary or paid work experience in special education or with individuals with disabilities preferred.

PROGRAM ADVISEMENT

All matriculated students are required to meet with a departmental faculty adviser and complete a Graduate Student Advisement Record following admission to the Program.

NOTE: Students must meet established New York State test requirements for certifications.

See complete graduate information, page 73.

MASTER OF SCIENCE IN EDUCATION

The following seven programs are offered leading to the degree of Master of Science in Education. A written comprehensive examination is required for all the programs. See page 78; see also complete graduate information, page 73.

PROGRAM I. For students with certification in elementary or secondary education, speech or reading—34 s.h. program. Satisfactory completion of this program leads to New York State certification as a teacher of special education (K-12).

The program consists of a sequence of core courses and experiences required of all students regardless of area of concentration and additional courses related to the specific area of concentration.

Area 1. Special Education Core Courses: 19 s.h.

- | | |
|------|--|
| SPED | 201. <i>The Exceptional Child: Cognitive & Affective Functions</i> , 3 s.h. |
| | 242. <i>Psychoeducational Assessment in Special Education</i> , 3 s.h. |
| | 245. <i>Curriculum & Methods in the Education of Students with Disabilities</i> , 4 s.h. |
| | 237. <i>Practicum: Teaching Children with Disabilities</i> , 6 s.h. |

Foundations of Education—200-level course, 3 s.h.

Area 2. Special Education Concentrations: 15 s.h.

select one of the following areas:

A. Children with Retarded Mental Development

- | | |
|------|---|
| SPED | 210. <i>Crafts & Allied Skills for Children with Disabilities</i> , 3 s.h. |
| | 211. <i>Nature & Needs of Children with Retarded Mental Development</i> , 3 s.h. |
| | 241. <i>Nature & Needs of Children with Emotional/Behavior Disorders</i> , 3 s.h., or |
| | 246. <i>Nature & Needs of Students with Neurological Impairments/Learning Disabilities</i> , 3 s.h. |

Electives, under advisement, 6 s.h.

B. Emotional/Behavior Disorders

- | | |
|------|---|
| SPED | 241. <i>Nature & Needs of Children with Emotional/Behavior Disorders</i> , 3 s.h. |
| | 246. <i>Nature & Needs of Students with Neurological Impairments/Learning Disabilities</i> , 3 s.h. |
| | 248. <i>Education of Children with Emotional & Social Disturbances, & Children with Autism</i> , 3 s.h. |

Electives, under advisement, 6 s.h.

C. Physical/Neurological/Learning Disabilities

- | | |
|------|---|
| SPED | 246. <i>Nature & Needs of Students with Neurological Impairments/Learning Disabilities</i> , 3 s.h. |
|------|---|

249. *Nature & Needs of Individuals with Physical Impairments: Psychology of Persons with Disabilities*, 3 s.h.
241. *Nature & Needs of Children with Emotional/Behavior Disorders*, 3 s.h., or
211. *Nature & Needs of Children with Retarded Mental Development*, 3 s.h.

Electives, under advisement, 6 s.h.

PROGRAM II. For students with no formal course work or teaching experience in elementary or secondary education—43-46 s.h. program. Students with one year of teaching experience as the classroom teacher take SPED 237 instead of dual student teaching.

For provisional certification in elementary education (PreK-6) or secondary education (7-12) students must satisfy New York State requirements and apply directly to the State Education Department.

In addition to the required special education core courses and courses in the special education concentration, students must complete either elementary or secondary education as a general education background. Required elementary or secondary education courses should be taken first, with the exception of dual student teaching.

Area 1. 12-15 s.h.

Elementary Education

- ELED 205. *Language in the Curriculum*, 3 s.h.
206. *Social Studies in the Curriculum*, 3 s.h., or
208. *Science & Mathematics in the Curriculum*, 3 s.h.
- 213 or 214. *Child Development & the Elementary School Program*, 3 s.h.

- LYST 218. *Reading and Writing Practices in Early & Middle Childhood*, 3 s.h. or

Secondary Education

- SED 264. *The Teacher in the School Setting*, 3 s.h.
213. *Adolescent Development & Secondary Education*, 3 s.h.

Methods course, 3 s.h.

Curriculum course, 3 s.h.

Educational electives, under advisement, 3 s.h.

Area 2. Special Education Core Courses: 22-25 s.h.

- SPED 201. *The Exceptional Child: Cognitive & Affective Functions*, 3 s.h.
242. *Psychoeducational Assessment in Special Education*, 3 s.h.
245. *Curriculum & Methods in the Education of Students with Disabilities*, 4 s.h.

219A-219B. *Supervised Teaching in the Elementary School in Special & Regular Education Classes*, 4½ s.h. each and

- ELED 223. *Analysis of Teaching Behavior*, 3 s.h.
- SPED 223A-223B. *Supervised Teaching in the Secondary School in Special & Regular Education Classes*, 4½ s.h. each

Foundation of Education—200-level course, 3 s.h.

Area 3. Special Education Concentrations: 9 s.h.

select one of the following:

Mentally Retarded

- SPED 210. *Crafts & Allied Skills for Children with Disabilities*, 3 s.h.
211. *Nature & Needs of Children with Retarded Mental Development*, 3 s.h.
241. *Nature & Needs of Children with Emotional/Behavior Disorders*, 3 s.h., or
246. *Nature & Needs of Students with Neurological Impairments/Learning Disabilities*, 3 s.h.

Emotionally Disturbed

- SPED 248. *Education of Children with Emotional & Social Disturbances, & Children with Autism*, 3 s.h.

241. *Nature & Needs of Children with Emotional/Behavior Disorders*, 3 s.h.

246. *Nature & Needs of Students with Neurological Impairments/Learning Disabilities*, 3 s.h.

Physically Disabled/Neurologically Impaired/Learning Disabled

- SPED 246. *Nature & Needs of Students with Neurological Impairments/Learning Disabilities*, 3 s.h.
249. *Nature & Needs of Individuals with Physical Impairments: Psychology of Persons with Disabilities*, 3 s.h.
211. *Nature & Needs of Children with Retarded Mental Development*, 3 s.h., or
241. *Nature & Needs of Children with Emotional/Behavior Disorders*, 3 s.h.

PROGRAM III. EARLY CHILDHOOD SPECIAL EDUCATION: designed to prepare students with undergraduate training and certification in elementary education (PreK-6), or in special education to become teachers of young children (birth-5) with disabilities—36 s.h. program. Assistant Professor D. Schwartz, *Program Coordinator*

The program consists of core courses in special education, including a practicum, with related courses in elementary education and speech.

In-service teachers who hold special education certification but wish to expand their expertise in the area of early childhood special education may take courses on a nonmatriculated basis.

A comprehensive examination in special education is required of all degree candidates.

- ELED 271. *Early Childhood Curriculum*, 3 s.h.
272. *Curriculum Innovations in Early Childhood Programs*, 3 s.h.
- SPED 207. *Introduction to Young Children with Disabilities*, 3 s.h.
208. *Educational Intervention for Young Children with Disabilities*, 3 s.h.
209. *Early Intervention: Infants & Toddlers*, 3 s.h.
210. *Crafts & Allied Skills for Children with Disabilities*, 3 s.h.
216. *Assessment & Diagnosis in Early Childhood Special Education*, 3 s.h.
- SPED 204. *Counseling & Guidance of Parents of Children with Disabilities*, 3 s.h.
310. *Issues in Infant, Toddler, Preschool, Parent & Family Involvement Programs*, 3 s.h.
- SPCH 235. *Introduction to Speech-Language-Hearing Disorders*, 3 s.h.
- SPED 237. *Practicum: Teaching Children with Disabilities*, 6 s.h. or
- 237A. *Practicum: Teaching Children with Disabilities*, 3 s.h. (for in-service students only)

Electives, under advisement, 3-6 s.h.

PROGRAM IIIA. EARLY CHILDHOOD SPECIAL EDUCATION: for students with no formal course work or teaching experience in elementary or special education. 54 s.h. program. Students with one year of full time teaching experience as the classroom teacher in elementary education take SPED 237 instead of dual student teaching.

Admission to this graduate program requires a baccalaureate degree from an accredited college or university with at least 60 semester hours in liberal arts, including one year (6 s.h.) of a foreign language, a minimum of 21 credits in a humanities, natural science or social science concentration with a 2.5 grade

point average in liberal arts. Students who have not met the full admission requirements may be advised to complete prerequisite courses under a planned program before becoming eligible for full acceptance.

Required elementary courses should be taken first, with the exception of dual student teaching.

This master's program leads to dual certification in elementary education (PreK-6, and early childhood annotation) and special education by the State Education Department upon recommendation by the University.

A comprehensive examination in special education is required of all degree candidates.

Area 1. 12 s.h.

- ELED 205. *Language in the Curriculum*, 3 s.h.
 206. *Social Studies in the Curriculum*, 3 s.h., or
 208. *Science & Mathematics*, 3 s.h.
 213 or 214. *Child Development & the Elementary School Program*, 3 s.h.
 LYST 218. *Reading and Writing Practices in Early & Middle Childhood*, 3 s.h.

Area 2. 39 s.h.

- ELED 271. *Early Childhood Curriculum*, 3 s.h.
 272. *Curriculum Innovations in Early Childhood Programs*, 3 s.h.
 SPED 207. *Introduction to Young Children with Disabilities*, 3 s.h.
 208. *Educational Intervention for Young Children with Disabilities*, 3 s.h.
 209. *Early Intervention: Infants & Toddlers*, 3 s.h.
 210. *Crafts & Allied Skills for Children With Disabilities*, 3 s.h.
 216. *Assessment & Diagnosis in Early Childhood Special Education*, 3 s.h.
 204. *Counseling & Guidance of Parents of Children With Disabilities*, 3 s.h.
 310. *Issues in Infant, Toddler, Preschool, Parent & Family Involvement Programs*, 3 s.h.
 SPCH 235. *Introduction to Speech-Language-Hearing Disorders*, 3 s.h.
 SPED 219A-219B. *Supervised Teaching in the Elementary School in Special and Regular Education Classes*, 4½ s.h. each
 ELED 223. *Analysis of Teaching Behavior*, 3 s.h.

PROGRAM IV. A dual Master of Science program in literacy studies and special education (K-12) leading to Clinical Specialist in Reading for Children with Learning Disabilities and to New York State certification in literacy studies and special education. For program requirements, see under Literacy Studies, page 286. Associate Professor Zalma: *Program Coordinator*

PROGRAM V. A dual Master of Science program in special education and art therapy—67-70 s.h. Satisfactory completion of this program leads to New York State certification in special education (K-12).

Designed to prepare candidates with competencies in both art therapy and in special education. Graduates will be qualified to work with individuals with disabilities as teachers in special education and as art therapists on therapeutic treatment teams in hospitals, nursing homes, day treatment centers, rehabilitation and residential settings, and other mental health facilities. Professional preparation will provide candidates with experiences in the use of art therapy in the treatment of persons with mental illness, physical disabilities and special learning needs. Associate Professor Zalma, *Program Coordinator*

In addition to admission requirements, as outlined above for the M.S. in Education programs, students must:

1. Hold a bachelor's degree from an accredited institution with a minimum grade point average of 2.8;
2. have completed 12 semester hours in psychology (including developmental and abnormal);
3. have completed 15 semester hours in studio art;

4. show competency in art by presenting a portfolio (in cases of an exceptional portfolio, studio art credits may be waived at the discretion of the program coordinator);
5. possess a New York State teaching certificate in elementary or secondary education or the willingness to fulfill the necessary education requirements.

A comprehensive examination in special education is required of all degree candidates.

Area 1. Art Therapy Course Requirements: 29 s.h.

- CAT 210. *Foundations of Art Therapy*, 3 s.h.
 211. *Art Therapy with Children*, 3 s.h.
 221 & 222. *Fieldwork: Creative Arts Therapy*, 1 s.h. each
 209. *Art Media in Art Therapy*, 3 s.h.
 212. *Group Art Therapy*, 3 s.h.
 214. *Art Therapy Methods I*, 3 s.h.
 215. *Art Therapy Methods II*, 3 s.h.
 218 & 219. *Internship: Creative Arts Therapy*, 3 s.h. each
 300. *Seminar: Creative Arts Therapy*, 3 s.h. (in lieu of thesis or comprehensive examination in art therapy)

Area 2. Art Therapy Electives: 4 s.h.

- SPED 280-289, A-Z. *Workshops*, 1-4 s.h. each

Area 3. Psychosocial Requirements: 6-9 s.h.

- COUN 203. *Introduction to Counseling*, 3 s.h., or
 223. *Theories & Principles of Counseling*, 6 s.h. (at discretion of adviser, dependent upon student's background and interest)
 PSY 216. *Behavior & Personality—Normal & Abnormal*, 3 s.h.

Area 4. Special Education Course Requirements: 28 s.h.

- SPED 201. *The Exceptional Child: Cognitive & Affective Functions*, 3 s.h.
 249. *Nature & Needs of Individuals with Physical Impairments: Psychology of Persons with Disabilities*, 3 s.h.
 246. *Nature & Needs of Students with Neurological Impairments/Learning Disabilities*, 3 s.h.
 241. *Nature & Needs of Children with Emotional/Behavior Disorders*, 3 s.h. or
 211. *Nature & Needs of Children with Retarded Mental Development*, 3 s.h.
 210. *Crafts & Allied Skills for Children with Disabilities*, 3 s.h.
 242. *Psychoeducational Assessment in Special Education*, 3 s.h.
 245. *Curriculum & Methods in the Education of Students with Disabilities*, 4 s.h.
 237. *Practicum: Teaching Children with Disabilities*, 6 s.h.

PROGRAM VI. SPECIAL EDUCATION BILINGUAL EXTENSION PROGRAM: for students with certification in elementary or secondary education, speech or reading—40 s.h. program. Satisfactory completion of this program leads to New York State certification as a special education teacher (K-12) qualified to work with bilingual students and/or students with native languages other than English. Professor Gold, *Program Coordinator*

The program consists of a sequence of core courses and experiences required of all students regardless of area of concentration, additional courses related to the specific area of concentration, and the bilingual extension courses.

In addition, students must satisfy a language proficiency requirement by submitting evidence of having achieved a satisfactory level of oral and written proficiency in English and in the target language of instruction on the New York State Teacher Certification Examinations.

Area 1. Special Education Core Courses: 16 s.h.

- SPED 201. *The Exceptional Child: Cognitive & Affective Functions*, 3 s.h.
 242. *Psychoeducational Assessment in Special Education*, 3 s.h.
 245. *Curriculum & Methods in the Education of Students with Disabilities*, 4 s.h.
 237. *Practicum: Teaching Children with Disabilities*, 6 s.h. (performed in a bilingual special education setting)

Area 2. Special Education Concentrations: 9 s.h.

select one of the following areas:

A. Children with Retarded Mental Development

- SPED 210. *Crafts & Allied Skills for Children with Disabilities*, 3 s.h.
 211. *Nature & Needs of Children with Retarded Mental Development*, 3 s.h.
 241. *Nature & Needs of Children with Emotional/Behavior Disorders*, 3 s.h., or
 246. *Nature & Needs of Students with Neurological Impairments/Learning Disabilities*, 3 s.h.

B. Emotional/Behavior Disorders

- SPED 241. *Nature & Needs of Children with Emotional/Behavior Disorders*, 3 s.h.
 246. *Nature & Needs of Students with Neurological Impairments/Learning Disabilities*, 3 s.h.
 248. *Education of Children with Emotional & Social Disturbances, & Children with Autism*, 3 s.h.

C. Physical/Neurological/Learning Disabilities

- SPED 246. *Nature & Needs of Students with Neurological Impairments/Learning Disabilities*, 3 s.h.
 249. *Nature & Needs of Individuals with Physical Impairments: Psychology of Persons with Disabilities*, 3 s.h.
 241. *Nature & Needs of Children with Emotional/Behavior Disorders*, 3 s.h., or
 211. *Nature & Needs of Children with Retarded Mental Development*, 3 s.h.

Area 3. Bilingual Extension Courses: 15 s.h.

- FDED 248. *Multicultural Education in the Metropolitan Area*, 3 s.h.
 ELED 225. *Teaching English as a Second Language*, 3 s.h.
 SED 265. *Methods & Materials in Bicultural Education*, 3 s.h.
 ELED 246. *Methods & Materials for Bilingual Teaching of Reading in Bicultural Settings*, 3 s.h. or
 RES 241. *Testing & Evaluation of Bilingual Students*, 3 s.h.
 SPAN 218. *People & Cultures of Latin America*, 3 s.h.

MASTER OF ARTS: SPECIAL EDUCATION

PROGRAM VII. Designed to provide students with advanced professional preparation as reflective scholar-practitioners who will be able to systematically study and research current educational concerns which relate to teaching exceptional children and youths from diverse backgrounds. This advanced program is for students who are certified in at least one area of special education and who have completed at least one year of successful professional teaching experience with exceptional children or successful supervised student teaching or practicum—34 s.h. program. See complete graduate information, page 73.

Required Courses: 34 s.h.

- SPED 270. *Seminar: Professional Problems & Issues*, 3 s.h.
 271. *Cognitive Development & Language Acquisition of Exceptional Children*, 3 s.h.
 RES 259. *Introduction to Statistical Methods in Educational Research*, 3 s.h.
 259L. *Computer Laboratory*, 1 s.h.
 381. *Research Methods in Education*, 3 s.h. or
 258. *Understanding Research Methodology*, 3 s.h.

- SPED 200. *Administration & Supervision of Special Education*, 3 s.h.
 204. *Counseling & Guidance of Parents of Children with Disabilities*, 3 s.h.
 247. *Behavior Modification with Exceptional Populations*, 3 s.h.
 301. *Master's Thesis Seminar I*, 3 s.h.
 302. *Master's Thesis Seminar II*, 3 s.h.

Electives, under advisement, 6 s.h.

In addition to the above requirements, all students are expected to participate in symposia, field visits to institutions and agencies, etc. Evening students must anticipate utilization of Saturdays for such undertakings.

Full-time students will be expected to participate in a noncredit internship program. Students will be assigned to a variety of agencies on a rotating basis, and will devote a minimum of 4 hours weekly to observation and participation in the activities of the given agency.

PROFESSIONAL DIPLOMA IN SPECIAL EDUCATION

PROGRAM VIII. For students wishing advanced training in the special education field—31 s.h. beyond the master's degree. The course of study seeks to strengthen the student's grasp of the relationship between the development of programs for exceptional individuals and historical and philosophical issues in general education; broaden the student's familiarity with educational and social services to exceptional children and adults; and deepen the student's understanding of research needs, trends and issues in the field of special education. Associate Professor Zalma, *Program Coordinator*

ADMISSION REQUIREMENTS

- 1) a master's degree in special education or in a functionally related field plus a New York State certificate as a teacher in special education;
- 2) a grade-point average of 3.0 from an accredited institution;
- 3) certification in elementary or secondary education, reading or speech and hearing and special education;
- 4) at least two years teaching in the field of special education;
- 5) at least three letters of reference from professional and/or academic sources;
- 6) a detailed resume of professional and related experiences;
- 7) a comprehensive statement of professional goals and objectives;
- 8) a personal interview with department faculty.

PROGRAM REQUIREMENTS

Area 1. Specialization: 19 s.h.

- SPED 270. *Seminar: Professional Problems & Issues*, 3 s.h.
 271. *Cognitive Development & Language Acquisition of Exceptional Children*, 3 s.h.
 272. *Advanced Psychoeducational Assessment in Special Education: Clinical & Classroom Application*, 4 s.h.
 273. *Curriculum Development & Evaluation*, 3 s.h.
 274. *Research Seminar I: Review of Research & Methodology*, 3 s.h.
 275. *Research Seminar II: Individual Research*, 3 s.h.

Area 2. Related Professional Study, 12 s.h.

Chosen under advisement.

CONCENTRATION

EDUCATION OF GIFTED/TALENTED CHILDREN

This 12 s.h. concentration is designed for certified teachers and for students enrolled in special education master's or profes-

sional diploma programs who may elect to take a second area of concentration.

PROGRAM REQUIREMENTS

- SPED 255. *Nature & Needs of Gifted/Talented Children*, 3 s.h.
- 256. *Instructional Methods & Materials for Gifted/Talented Children*, 3 s.h.
- 257. *Exploration & Assessment of Programs for Gifted/Talented Children*, 3 s.h.
- 258. *Internship: Gifted/Talented Children*, 3 s.h.

ADVANCED CERTIFICATES

CONSULTATION IN SPECIAL EDUCATION

This 18 semester hour program, which includes a field experience, prepares professional personnel to serve as special education consultant teachers. Designed for teachers certified in special education with regular education background who wish to broaden their skills. This sequence can be used within an M.A. in Special Education or as a post-master's program. No more than six semester hours from a master's degree can be used toward the certificate program.

	<i>Sem. Hrs.</i>
REQUIRED	
SPED 204. <i>Counseling & Guidance of Parents of Children with Disabilities</i>	3
206. <i>Vocational Guidance for Students & Adults with Mental, Emotional & Physical Disabilities</i>	3
238. <i>Field Experience</i>	3
262. <i>Teaching in Resource Rooms</i>	3
263. <i>Techniques of Collaborative Consultation in Special Education</i>	3
264. <i>Techniques of Mainstreaming/Inclusion</i>	3
	<hr style="width: 100%; border: 0.5px solid black;"/> 18

DEAF EDUCATION

This 18 semester hour program offers college graduates with a bachelor's degree the opportunity to complete some of the necessary State certification requirements in deafness education and helps prepare the student for employment at schools and programs serving deaf and severely hearing-impaired students. Students who apply for this certificate program should hold a New York State teaching certificate in elementary, secondary, and/or special education; applicants who do not hold such certification must take prerequisite courses along with or prior to the program courses. Special education graduate students at Hofstra may take these courses as electives, with approval of the adviser. Nonmatriculated students may take up to 12 semester hours in these courses as electives with departmental permission. The program does not lead to a degree. Individuals interested in New York State certification should see the program coordinator for additional requirements.

	<i>Sem. Hrs.</i>
REQUIRED	
SPED 203. <i>Foundations: Education of the Deaf and Hearing Impaired</i>	3
205. <i>Language Development in Deaf and Hearing-Impaired Children and Youth</i>	3
213. <i>Linguistics of Language Development in Deaf and Hearing-Impaired Children and Youth</i>	3
215. <i>Teaching School Subjects to Deaf and Hearing-Impaired Children and Youth</i>	3
221. <i>Field Experience in Teaching Deaf and Hearing-Impaired Students</i>	3

REHB 292. <i>American Sign Language II</i>	3
	<hr style="width: 100%; border: 0.5px solid black;"/> 18

EARLY CHILDHOOD SPECIAL EDUCATION

This 18 semester hour program, which includes a field experience, is designed for teachers holding early childhood or special education certification who wish training in the field of early childhood special education.

	<i>Sem. Hrs.</i>
REQUIRED	
SPED 207. <i>Introduction to Young Children with Disabilities</i>	3
208. <i>Educational Intervention for Young Children with Disabilities</i>	3
209. <i>Early Intervention: Infants & Toddlers</i>	3
216. <i>Assessment & Diagnosis in Early Childhood Special Education</i>	3
238. <i>Field Experience</i>	3
SPCH 235. <i>Introduction to Speech-Language-Hearing Disorders</i>	3
	<hr style="width: 100%; border: 0.5px solid black;"/> 18

POSTSECONDARY TRANSITION SPECIALIST

This 16 semester hour program prepares special education and related services personnel including rehabilitation counselors, school counselors, etc., to facilitate postsecondary transition to educational, vocational and community living settings for students with disabilities. This sequence can be used as part of a master's degree or for post-master's study.

Prerequisites

A course in adolescent psychology at either the undergraduate or graduate level, and certification in special education or a related field.

	<i>Sem. Hrs.</i>
REQUIRED	
SPED 279. <i>Introduction to the Transition Process</i>	1
REHB 229. <i>Review, Exploration & Assessment of Rehabilitation Resources</i>	3
SPED 206. <i>Vocational Guidance for Students & Adults with Mental, Emotional & Physical Disabilities</i>	3
REHB 239. <i>Placement Practice in Transitional Supported or Competitive Employment</i>	3
SPED 263. <i>Techniques of Collaborative Consultation in Special Education</i>	3
238. <i>Field Experience</i>	3
	<hr style="width: 100%; border: 0.5px solid black;"/> 16

SPECIAL EDUCATION ASSESSMENT AND DIAGNOSIS

This 13-19 semester hour program prepares professional personnel to serve as educational evaluators responsible for identifying students in need of special educational services. This program is intended to meet the extended professional needs of teachers certified in elementary and/or secondary education, and special education or reading. It is designed to extend skills in psycho-educational assessment of special learning needs in all students classified as disabled as well as early childhood populations; disabled students with primary specific reading difficulties; and students from different cultural backgrounds who may be bilingual. This sequence can be used within an M.A. in Special Education or as a post-master's program.

Prerequisites: 6 s.h. or equivalent

RES 259. <i>Introduction to Statistical Methods in Educational Research</i> , 3 s.h.	
--	--

SPED	242. <i>Psychoeducational Assessment in Special Education</i> , 3 s.h.			201. <i>The Exceptional Child: Cognitive and Affective Functions</i> Fall, Spring, Summer	3 s.h.
				Survey course designed to provide the student with a basic understanding of the entire field of special education with emphasis on current trends, critical issues and research regarding children with disabilities (mental retardation, emotional disturbance, learning and/or physical disabilities, speech and hearing and visual impairment, gifted and talented). Emphasis is placed upon a generic rather than a disability oriented approach to special education.	
REQUIRED					
SPED	216. <i>Assessment & Diagnosis in Early Childhood Special Education</i>	3		202. <i>Case Work and Community Services for Persons with Disabilities</i> Periodically	3 s.h.
LYST	240. <i>Assessment & Evaluation of Reading & Writing</i>	3		Examination of the community needs of persons who are mentally retarded or have other handicapping conditions. Survey and evaluation of the policies and programs of public and private agencies concerned with the care, education and training of persons with disabilities. (Formerly <i>Case Work and Community Services for the Handicapped</i> .)	
RES	241. <i>Testing & Evaluation of Bilingual Students</i>	3			
SPED	272. <i>Advanced Psychoeducational Assessment in Special Education: Clinical & Classroom Application</i>	<u>4</u>			
		13			

EDUCATION HONOR SOCIETIES, see page 77.

COURSES

In addition to semester notations next to each course, a selection of courses is offered during the January and Summer sessions. Consult the *January* and *Summer Sessions* bulletins for these schedules.

Undergraduate option: three undergraduate electives are available, SPED 100, 101, and 102. All other special education courses are open only to graduate students.

100. *Introduction to Exceptional Children* 3 s.h.
Periodically

An introduction to the nature of special educational provisions for the exceptional child. Survey is undertaken of the characteristics of exceptional children (mentally retarded, emotionally disturbed, learning disabled, physically disabled, speech and hearing and visually impaired, gifted and talented) and the curriculum adjustment they require. Students are required to participate in a number of field trips and observations as an aspect of this course.

101. *Inclusion: Infants, Toddlers, Preschoolers, and K-6 Children* 3 s.h.
Fall, Spring, Summer

This is a survey course designed to provide the student with practical skills and knowledge about including young children with disabilities; learning to collaborate with special educators and related services personnel; planning play activities; and modifying standard materials and curricula. Field visits of 20 clock hours are required. Recommended to be taken early in the program.

102. *Inclusion: Meeting Special Needs in PreK-12 Programs* 3 s.h.
Fall, Spring, Summer

This is a survey course designed to provide the student with practical skills and knowledge about including preK-12 children with disabilities, with emphasis upon middle-school and secondary school settings, and including health education; serving on IEP Teams and collaborating with special educators and related services personnel; modifying curricula, materials, and methods to meet the special needs of students with mild or moderate disabilities, including referral to special education if needed. Field visits of 20 clock hours are required. Recommended prior to special methods courses.

200. *Administration and Supervision of Special Education* 3 s.h.
Fall, Spring

Study of the organizational patterns and administrative practices in educational programs for disabled children and adolescents. Attention is directed at procedures for development of community integration of programs, staff orientation and recruitment; supervision and development of instructional programs, guidance, and evaluation of pupils and staff.

201. *The Exceptional Child: Cognitive and Affective Functions* 3 s.h.
Fall, Spring, Summer

Survey course designed to provide the student with a basic understanding of the entire field of special education with emphasis on current trends, critical issues and research regarding children with disabilities (mental retardation, emotional disturbance, learning and/or physical disabilities, speech and hearing and visual impairment, gifted and talented). Emphasis is placed upon a generic rather than a disability oriented approach to special education.

202. *Case Work and Community Services for Persons with Disabilities* 3 s.h.
Periodically

Examination of the community needs of persons who are mentally retarded or have other handicapping conditions. Survey and evaluation of the policies and programs of public and private agencies concerned with the care, education and training of persons with disabilities. (Formerly *Case Work and Community Services for the Handicapped*.)

203. *Foundations: Education of the Deaf and Hearing Impaired* 3 s.h.

Periodically
Introduction to education for deaf and severely hearing-impaired children and youth, pre K-12. This survey course examines the nature of hearing and hearing impairment; the special education needs of deaf and hearing-impaired students; sign language; language and speech development, and interventions.

204. *Counseling and Guidance of Parents of Children with Disabilities* 3 s.h.
Fall, Spring, Summer

Principles and practices of guidance and counseling as these apply to parent-school, parent-child and sibling relationships as well as rehabilitation and legal aspects of children and youth (mental retardation, emotional disturbance, learning and/or physical disabilities, gifted and talented). (Formerly *Counseling and Guidance of Parents of Handicapped Children*.)

205. *Language Development in Deaf and Hearing-Impaired Children and Youth* 3 s.h.
Periodically

Introduction to language learning by deaf and hearing-impaired children and youth, preK-12. This survey course examines development of language in hearing and hearing-impaired children/youth. Competing interventions are compared/contrasted. Controversies, especially "bilingual-bicultural" approaches are studied. This course is the first of a two-course sequence.

206. *Vocational Guidance for Students and Adults with Mental, Emotional and Physical Disabilities* 3 s.h.
Periodically

Principles and practices of vocational guidance as applied to students and adults with mental, emotional and physical disabilities. Study of the organization and administration of programs of occupational education and the development of work-study programs and supportive employment. Examination of techniques and community resources for occupational evaluation, job placement and follow-up. (Formerly *Vocational Guidance for the Mentally, Emotionally and Physically Handicapped*.)

207. *Introduction to Young Children with Disabilities* 3 s.h.
Fall

Causation, nature and needs of the pre-school exceptional child with varying handicapping conditions are examined. Attention given to the implications for community, educational and family planning. Prerequisite: PSY 53. (Formerly *Introduction to Young Children with Handicapping Conditions*.)

208. *Educational Intervention for Young Children with Disabilities* 3 s.h.
Spring
A cross-categorical study of current practice in the teaching of preschool children with handicapping conditions is integrated with related theory. Methods of organization of instruction, diagnostic teaching and selection of materials are emphasized. Prerequisite: SPED 207. (Formerly *Educational Intervention for Young Children with Handicapping Conditions*.)
209. *Early Intervention: Infants and Toddlers* 3 s.h.
Periodically
Needs of infants and toddlers with varying disabling conditions are addressed. Specific methods and materials for working in home and center-based programs are presented. Prerequisite: PSY 53. Prerequisite or corequisite: SPED 207. (Formerly *Early Intervention: Infant Stimulation*.)
210. *Crafts and Allied Skills for Children with Disabilities* 3 s.h.
Spring, Summer
Designed to provide teachers of children with varied disabilities with an understanding of the role of art, crafts and manual skills. Students utilize a variety of media in the development of activities and projects which may be integrated with other areas of instruction. There is a material fee of \$15. Prerequisite or corequisite: SPED 201. (Formerly *Crafts and Allied Skills for the Handicapped*.)
211. *Nature and Needs of Children with Retarded Mental Development* 3 s.h.
Fall, Spring
A study of the nature and needs of the child with mental retardation, particularly in relation to the school setting; examination of various theories of mental retardation and their implications for education. Related research findings will be summarized and evaluated. Prerequisite or corequisite: SPED 201. (Formerly *Nature and Needs of the Mentally Retarded*.)
213. *Linguistics of Language Development in Deaf and Hearing-Impaired Children and Youth* 3 s.h.
Periodically
Linguistics of "Deaf English" and of American Sign Language (ASL), as well as approaches to assessment and intervention. This course includes an examination of language curricula currently in use in area schools for the deaf as well as experimental curricula. Prerequisite: SPED 205 or equivalent, approved by program coordinator.
214. *Curriculum and Methods for Children with Severe Retardation* 3 s.h.
Periodically
Study of the philosophical and historical basis for the development of public school programs for children with severe retardation. Survey of the characteristics of these children, curriculum development, program organization, methods of instruction. (Formerly *Curriculum and Methods for the Trainable Retarded Child*.)
215. *Teaching School Subjects to Deaf and Hearing-Impaired Children and Youth* 3 s.h.
Periodically
Examination of current and experimental approaches to instruction of deaf and hearing-impaired students in academic subjects such as science, mathematics, social studies, etc. Course includes opportunities to apply various approaches in collaboration with classroom teachers. Prerequisite: SPED 203 or equivalent, or permission of adviser.
216. *Assessment and Diagnosis in Early Childhood Special Education* 3 s.h.
Fall
A multidisciplinary approach to the problems of diagnosis, referral and program planning. Students participate in case "staffing" and examine diagnoses and therapeutic procedures employed by the variety of professions concerned. (Formerly *Determining Therapeutic Educational Procedures for the Mentally, Emotionally and Physically Handicapped*.)
- 217-218. *Problems in Curriculum Development and Improvement of Instruction* 3 s.h. each
Periodically
Review of research dealing with problems of curriculum development, teacher training and recruitment, supervision of instruction in special education. Students meet with supervisory personnel in special education from selected public school districts and explore the above areas in depth. In cooperation with such public school personnel, and under guidance of members of the faculties of the Departments of Counseling, Research, Special Education, and Rehabilitation, and Educational Administration, students undertake to recommend and implement programs for improvement of existing practices in the given school district.
- 219A-219B. *Supervised Teaching in the Elementary School in Special and Regular Education Classes* 4½ s.h. each
Fall, Spring
(Physical Disabilities, Neurological Impairment/Learning Disabilities, Emotional Disturbances and/or Mental Retardation). For matriculated students with no teaching certification seeking a master's degree as well as permanent certification in elementary and special education. Students will have experience in both regular and special classes. Students matriculated in early childhood special education will be placed in early childhood settings. They are visited periodically in these settings and will attend a weekly seminar devoted to the analysis of teaching activities, experiences and case studies. Teaching competencies will be evaluated. Admission by permission of adviser and application to the Office of Field Placement and the Department of Counseling, Research, Special Education, and Rehabilitation prior to October 1 for spring classes and March 1 for fall classes. Must be taken with ELED 223. Same as ELED 219. Students must register for SPED 219A and 219B concurrently. (Formerly *Supervised Teaching in the Elementary School with Normal and Handicapped Children*; 219.)
220. *Education of Children with Cerebral Palsy* 3 s.h.
Periodically
Study of the etiology, characteristics, and educational programs and teaching methods.
221. *Field Experience in Teaching Deaf and Hearing-Impaired Students* 3 s.h.
Periodically
Designed for students in deaf education, the course provides a minimum of 100 clock hours of supervised practice in an educational setting, plus biweekly seminars. Students are required to maintain a log of activities and reflections. Prerequisite: permission of adviser. Application must be made by October 1 for the spring semester and by March 1 for the fall semester.
- 223A-223B. *Supervised Teaching in the Secondary School in Special and Regular Education Classes* 4½ s.h. each
Fall, Spring
For matriculated graduate students seeking teacher certification with an extension to include teaching students with physical disabilities, learning disabilities and/or emotional disturbance. Students are periodically visited in a regular junior and/or senior high school and in a special education setting. Weekly seminars are devoted to analysis of teacher's activities, experiences and case studies. Evaluation of teaching effectiveness will be examined. Prerequisites: SPED 242 and 245. SED 264, 205, 213 and appropriate methods course(s); a cumulative grade-point average of 2.85 or better in field in which certification is sought. Admission by application and permission. Same as SED 223.

Students must register for SPED 223A and 223B concurrently. (Formerly *Supervised Teaching in the Secondary School with Normal, Physically Handicapped/Learning Disabled and Emotionally Disturbed Students*; 223.)

226. *Early Intervention and Related Services in Early Childhood Special Education* 3 s.h.
Spring

An examination of the therapeutic and related services provided in early intervention and special preschool through a series of multidisciplinary modules to include speech and language pathology and physical and occupational therapy. This course is designed to provide early childhood special education students with an understanding of the role of the speech and language therapist, physical therapist, occupational therapist and other professionals working with young children with disabilities. Students gain knowledge of communication, motor and sensory disorders common in very young children with developmental disabilities. An introduction to various intervention strategies and therapeutic techniques utilized by "related services" providers help prepare students to serve effectively as collaborative participants on the interdisciplinary and transdisciplinary early childhood special education team.

237. *Practicum: Teaching Children with Disabilities* 6 s.h.
Fall, Spring

For preservice students and for persons currently employed as teachers of children with disabilities (physical disabilities, neurological impairment/learning disabilities, emotional disturbances and/or mental retardation). Students are visited periodically at their schools, followed by individual conferences. Students attend weekly seminars devoted to analysis of teaching activities, experiences and case studies emphasizing identification and assessment of learning needs, comprehensive planning and program development. Teaching competencies will be evaluated. Critical issues and problems in the field will be explored. Open only to matriculated students who have filed applications with the department prior to October 1 for spring classes and March 1 for fall classes. Prerequisites: SPED 201, 242 and 245, and depending upon area: SPED 211, 241, 246 and 249; permission of adviser. Pass/Fail grade only. (Formerly *Practicum: Teaching Handicapped Children*.)

237A. *Practicum: Teaching Children with Disabilities* 3 s.h.
Summer

Same as 237. Prerequisite: SPED 265. Open only to matriculated students who have filed applications with the department prior to October 1. Inservice students in Program II Early Childhood Special Education may take a special education elective with 237A. Pass/Fail grade only. (Formerly *Practicum: Teaching Handicapped Children*.)

238. *Field Experience* 3 s.h.
Spring

Designed for students in advanced certificate programs to provide practice within an educational setting for a minimum of 100 clock hours. Biweekly seminars are held. Students are required to maintain a log describing and reflecting on their teaching activities, individual case studies and/or collaborative consultation techniques that they may employ. Prerequisite: permission of adviser. Applications must be filed by October 1 for the spring semester and March 1 for the fall semester. (Formerly *Field Experience in Collaborative Consultation*.)

241. *Nature and Needs of Children with Emotional/Behavior Disorders* 3 s.h.

Fall, Spring, Summer
A study of the nature of children with emotional/behavior disorders and youth as individuals, with particular emphasis on the educational setting. Prerequisite: SPED 201. Graduate credit will generally be given for SPED 241 or PSY 257. (Formerly *Nature and Needs of Emotionally Disturbed Children*.)

242. *Psychoeducational Assessment in Special Education* 3 s.h.
Fall, Spring

The construction, use and interpretation of clinical and educational measuring instruments and evaluation techniques for the assessment of adults and children with learning disorders in school settings as well as in programs for individuals with mental, emotional, physical/learning disabilities. Basic descriptive statistics, prescriptive teaching and the diagnostic-remediation process are examined with emphasis on individual and group assessment. There is a material fee of \$15. Prerequisite: SPED 201. For special education majors only.

245. *Curriculum and Methods in the Education of Students with Disabilities* 4 s.h.

Fall, Spring
Current trends in program organization, curriculum development, teaching methods in special education for students with emotional, mental and physical and learning disabilities are reviewed and evaluated. Emphasis is on 1) intervention strategies and instructional techniques; 2) selecting and developing materials and activities; 3) applying adaptive methods of teaching. Methods of evaluating interpersonal behavior and instructional effectiveness will be explored. Prerequisites: SPED 201, 242. Depending upon area of concentration: SPED 211, 241, or 246 and 249. (Formerly *Curriculum and Methods in the Education of the Handicapped*.)

246. *Nature and Needs of Students with Neurological Impairments/Learning Disabilities* 3 s.h.

Fall, Spring
A study of the theoretical and methodological approaches to the education of students with neurological impairments and learning disabilities, including analysis of psychoeducational characteristics and an examination of the concepts of prescriptive teaching. Learning and its deviation will be explored with emphasis on motor and perceptual learning, thinking disorders and disorders in reading, writing and arithmetic. Attention will be given to behavioral considerations associated with brain damage in children and neurophysiological insights into teaching. Prerequisite: SPED 201. Prerequisite or corequisite: SPED 249. (Formerly *Nature and Needs of the Neurologically Impaired/Learning Disabled*.)

247. *Behavior Modification with Exceptional Populations* 3 s.h.
Fall, Spring, Summer

Introduction to principles of behavior modification and the application in regular and special education settings in order to deal more effectively with children and adults with disabilities. Course includes supervised classroom behavior modification projects. Prerequisite: presently teaching in special or regular class; teacher enrolled in regular or special education program. (Formerly *Behavior Modification in Special Education Settings*.)

248. *Education of Children with Emotional and Social Disturbances, and Children with Autism* 3 s.h.

Spring
A study of the educational facilities, techniques and curriculum modifications for children with severe emotional and social problems. Attention will be given to the educational, familial and cultural dynamics involved in such disturbances. (Formerly *Education of Emotionally and Socially Disturbed Children, Autism Children*.)

249. *Nature and Needs of Individuals with Physical Impairments: Psychology of Persons with Disabilities* 3 s.h.

Fall, Spring, Summer
An exploration of the effects of physical disability (including neurological impairments) on psychological adjustment in educational and rehabilitation settings as it relates to concepts of self, learning and interpersonal interaction. Emphasis placed on the teacher's and rehabilitation counselor's therapeutic role through instruction and group dynamics. Discussion of the sociocultural relativity of disability and theories of the impact of disability on adjustment. Prerequisite for special education majors, SPED 201; for rehabilitation counseling majors, REHB 230, 231. (Formerly

- Nature and Needs of Individuals with Physical Impairments: Psychology of the Disabled.*)
250. *Education of the Gifted* 3 s.h.
Periodically
Consideration of the problem of identification of the intellectually gifted, of curriculum modification and educational programming designed to meet the needs of such children.
- 251, 252. *Individual Study* 1-3 s.h. each
Fall, Spring, January, Summer
Independent project in the field of special education or directed special study in the student's area of interest, or professional need as approved by the major adviser. Progress reports and periodic conferences are required as well as a final report of the study. Prerequisite: permission of adviser.
255. *Nature and Needs of Gifted/Talented Children* 3 s.h.
Periodically
A study of the unique nature and needs of the gifted/talented child, particularly in relation to the school setting, including an examination of the concept of creativity and its implications for educational intervention.
256. *Instructional Methods and Materials for Gifted/Talented Children* 3 s.h.
Periodically
Study of widely applicable principles, processes and models for curriculum and teaching strategies. Designed primarily for experienced teachers and teachers in training already familiar with approaches and strategies in specific subject areas and grade levels.
257. *Exploration and Assessment of Programs for Gifted/Talented Children* 3 s.h.
Periodically
An examination through visitation and analysis of different programs and program models. Systematic evaluation will be undertaken utilizing observation procedures for teacher and student performance as well as organization and administration of the program.
258. *Internship: Gifted/Talented Children* 3 s.h.
Periodically
Engagement in sequential and sustained field-based experiences under systematic supervision to foster development of competencies in planning for and teaching gifted and talented students.
260. *Education of the Disadvantaged Youth* 3 s.h.
Periodically
Theories, concepts and techniques. An exploration of program and curricular innovations. An examination of content, purpose and method of the major subject matter areas of the elementary and secondary schools as they relate to the disadvantaged.
261. *Cultures of the Disadvantaged* 3 s.h.
Periodically
The concerns and modes of inquiry surrounding the study of the disadvantaged in appropriate cultural contexts. A development of man as a biosocial organism transmitting culture through formal and informal systems of education. There will be a fieldwork requirement in connection with this course.
262. *Teaching in Resource Rooms* 3 s.h.
January
The development and implementation of resource rooms for students with disabilities. Prerequisite: SPED 245.
263. *Techniques of Collaborative Consultation in Special Education* 3 s.h.
Fall
Course expands the students' skills by focusing on the professional role of the experienced special education teacher as collaborative consultant with other professionals.
264. *Techniques of Mainstreaming/Inclusion* 3 s.h.
Spring
Course enables the student to utilize the principles of mainstreaming. Such topics as the legal mandate, nature and needs of students with disabilities, and writing and utilizing the Individual Education Program (IEP) are examined. Special emphasis on adapting methods, curriculum and materials to the needs of children with disabilities within the mainstream. Prerequisites: certification in regular education or special education. (Formerly *Techniques of Mainstreaming*.)
265. *Demonstration Class: Teaching Children with Learning Disabilities* 3 s.h.
Spring, Summer
Demonstration of diagnostic-prescriptive teaching practices. Opportunities to observe informal assessment procedures, instructional strategies, and a variety of program approaches. Opportunity to participate in group and individualized instruction, under supervision; current problems and issues will be discussed. Matriculated students only.
266. *Computerized Instruction in Special Education* 3 s.h.
Periodically
Familiarity with existing computer programs and the creation and expansion of new ones in the areas of computer-assisted instruction, computer-managed instruction and data retrieval systems related to the education of children and youth with disabilities. Opportunities will be provided for acquiring skills in computer technology. Program writing and exploring research will be included.
270. *Seminar: Professional Problems and Issues* 3 s.h.
Fall
An exploration of current issues in special education at a professional level. Topics include (but not limited to) law and child advocacy, current status of state and federal legislation related to disabilities, teacher-parent communication, IEP models, mainstreaming, diagnostic categories and teaching strategies, issues regarding nomenclature, and attitudes and perception toward individuals with disabilities. Extensive reading will be required, with in-depth discussion of selected topics. Open to students matriculated in the professional diploma program and other graduate students with departmental approval.
271. *Cognitive Development and Language Acquisition of Exceptional Children* 3 s.h.
Periodically
A study of the neuropsychology of learning applied to an understanding of the underlying deviations in children with learning disabilities. Atypical development in thinking will be examined as it relates to the acquisition of language and associated skills, mathematics and other school learning. Models of learning relevant to the special educator will be explored. Prerequisite: SPED 246; corequisite: SPED 270.
272. *Advanced Psychoeducational Assessment in Special Education: Clinical and Classroom Application* 4 s.h.
Periodically
Demonstrations and supervised experiences in the classroom application of teacher-administered informal and formal assessment procedures in special education. Selection, evaluation and construction of criterion-reference tests measuring perceptual-motor, language and academic skills as well as behavioral rating techniques. Implication for a systematic approach to program development and remedial activities as an extension of the diagnostic process. Prerequisite: SPED 242 or equivalent; corequisites: SPED 270, 271.

273. *Curriculum Development and Evaluation* 3 s.h.
Periodically
The course will focus on evaluation and analysis of existing curricula strategies in special education in order to facilitate implementation of remedial procedures, criterion and/or norm referenced measures. New curricular approaches will be developed and/or adapted based on evaluation findings. Criteria will be developed for evaluating educational programs in public, private and institutional settings. Prerequisite: SPED 245 or equivalent; corequisites: SPED 270, 271, 272.
274. *Research Seminar I: Review of Research and Methodology* 3 s.h.
Periodically
Problems and methods of educational research focusing on programs and practices in special education/rehabilitation. Basic experimental designs, ethical issues, and the status of current literature regarding selected topics are examined. Prerequisites for special education majors: SPED 270, 271, 272, 273; for rehabilitation majors: REHB 228, 230; SPED 242.
275. *Research Seminar II: Individual Research* 3 s.h.
Periodically
Students will carry out a research project related to the field of special education. Problem statements, theory, research objectives and methodological designs will be explored and individual projects will be presented to the group for analysis and discussion. Prerequisites: SPED 270, 271, 272, 273, 274 or equivalents.
276. *Early Childhood Education: Mainstreaming the Young Child with Special Learning Needs* 3 s.h.
Summer
Same as ELED 276.
279. *Introduction to the Transition Process* 1 s.h.
Spring
The purpose of this course is to acquaint the students with recent federal and state regulations that directly relate to Transition Services. The focus is on the inclusion of transition services into the IEP process and product. The problems and issues which may be encountered are also addressed.
- 280 through 289, A-Z. *Workshops* 1-4 s.h. each
Periodically
Designed to meet the needs of specific groups of students or educators.
As individual subjects are selected, each is assigned a letter (A-Z) and added to the course number. Any course may be taken a number of times so long as there is a different letter designation each time it is taken.
300. *Special Topics: Advanced Seminar in Special Education* 3 s.h.
Periodically
In-depth analysis of current trends in special education. Students are required to prepare a paper of publishable quality and to lead a related seminar. Prerequisites: Master's-level courses and permission of instructor.
301. *Master's Thesis Seminar I* 3 s.h.
Fall, Spring
Examination of research developments, trends and needed research in areas of exceptionality. Study or research design and implementation. Students are assisted in development of master's problem. Prerequisite: permission of adviser.
302. *Master's Thesis Seminar II* 3 s.h.
Fall, Spring
Implementation of master's problem: conducting research and writing and defending the master's problem. Prerequisite: permission of adviser.
310. *Issues in Infant, Toddler, Preschool, Parent and Family Involvement Programs* 3 s.h.
Once a year
Same as ELED 310.
311. *International Perspectives in Special Education* 3 s.h.
Periodically
Provides students with current knowledge, research and clinical/instructional practices in special education from an international perspective. Information relevant to the needs of special education programs in the United States is identified. Prerequisites: completion of Master's-level courses.
312. *Contemporary Cultures and Special Education* 3 s.h.
Periodically
Effect of social, cultural and economic conditions on the diagnosis, education and family support of students with disabilities is examined. Exploration of areas for facilitation of learning as well as potential barriers is undertaken. Emphasis on multicultural and bilingual populations.
313. *Technology for Populations with Special Needs* 3 s.h.
Periodically
Course includes a critical review of research into the effectiveness of computer-managed and computer-assisted instruction and its social/emotional impact. Skills in instructional software evaluation and authoring, and management systems are developed. Emphasis on the design and use of computer simulations in assessment and instruction of exceptional population. Review of augmentative and adaptive technology to facilitate learning by persons with sensory and communication impairments is included.
314. *Practicum: College Teaching and Field Setting* 3 s.h.
Spring
Students receive practical experiences as teachers and/or research assistants in higher education; as apprentices to teacher education consultants or program managers and supervisors in schools, and rehabilitation agencies; as assistants to student teacher supervisors in teacher education programs; as senior counselors supervising interns. Critical reviews of students performance are made by faculty and peers through seminar discussions and on-site supervision. Prerequisites: REHB 353, 355 and permission of adviser. Pass/Fail grade only. Same as REHB 314.
315. *Public Policy and Local Practice in Special Education* 3 s.h.
Periodically
Focus on past and current federal and state policies and their impact on educational, social and vocational services for children and adults with disabilities. Decision-making policies and practices at the local level are also examined. Prerequisites: completion of Master's-level courses.

Speech Communication and Rhetorical Studies (SPCM)

Associate Professor Fleischman, *Chairperson*

Professor Merrill; Associate Professors Drucker, Sloyer; Assistant Professors Miller, Trasciatti.

Candidates for graduation from the School of Communication with the degree of Bachelor of Arts must fulfill the B.A. requirements as listed under the School of Communication on page 116. In addition, students majoring in the Department of Speech Communication and Rhetorical Studies must complete the program requirements listed under one of the B.A. majors listed below.

B.A. MAJOR IN SPEECH COMMUNICATION AND RHETORICAL STUDIES: 36 s.h.
9 s.h.—SCO 2, 3, 4

6 s.h.—SPCM 1, 7

9 s.h.—Chosen from SPCM 33, 47, 53, 109, 119

6 s.h.—Chosen from SPCM 21, 24, 25, 117, 121, 147

6 s.h.—Chosen from SPCM 11, 107, 125, 128, 157, 170, 171

Speech Communication and Rhetorical Studies majors are also required to take:

6 s.h.—Chosen from comparative literature, linguistics, literature in translation, drama, English, economics, history, philosophy, political science, psychology, sociology, and anthropology

NOTE: Majors in speech communication and rhetorical studies who are also elementary education majors are required to take 6 s.h. in mathematics and/or science courses to satisfy this requirement.

B.A. MAJOR IN SPEECH COMMUNICATION EDUCATION with a concentration in Teaching of Speech, see page 379.

NOTE: For students interested in majoring in combined disciplines, inquiry should be made in the School of Communication Dean's Office, Room 318, Dempster Hall.

Speech Communication and Rhetorical Studies majors are encouraged to take course work and/or minor in audio, video, film, journalism, mass media studies, psychology, linguistics, English, drama, literature in translation, comparative literature, management and marketing in consultation with the major adviser.

A MINOR IN SPEECH COMMUNICATION AND RHETORICAL STUDIES consists of the successful completion of 18 semester hours in speech communication and rhetorical studies, with at least 6 semester hours in residence, under advisement and with the approval of the adviser.

COURSES

In addition to semester notations next to each course, a selection of courses is offered during January and Summer sessions. Consult the *January* and *Summer Sessions* bulletins for these schedules.

1. *Oral Communication* # 3 s.h.
Fall, Spring

Develop effective communication skills through a variety of communicative experiences including intrapersonal, interpersonal, interviewing, nonverbal, small group communication, and public speaking. Theories of communication are explored. Recommended for all students. (Formerly SPCH 1.)

7. *Public Speaking* # 3 s.h.
Fall, Spring

Examination of the theory and practice of public communication. Emphasis on critical thinking, listening, and the art of criticism. Practice in speech composition and delivery, stressing principles of clarity, interest, and audience analysis. Speeches to inform and to persuade are stressed. (Formerly SPCH 7.)

11. *Voice and Diction* 3 s.h.
Fall, Spring

Exploration of theories of speech and voice production. Students have the opportunity to practice individual patterns of speech and voice. Attention is paid to vocal quality, variety, flexibility, and range. Dialectical variations in speech production are discussed. Recommended for students interested in improving communicative skills.

21. *Introduction to Performance Studies* 3 s.h.
Fall, Spring

The techniques of performance as applied to literature and other written and transcribed materials. Consideration is given to investigation and analysis of performed texts. Critical listening is

encouraged in the peer evaluation of student performances. (Formerly SPCH 21; *Interpretive Reading*.)

24, 25. *Performance in Context* 1-3 s.h. each
Periodically

An opportunity to select, adapt, rehearse and perform texts or original material for presentation in live contexts, e.g., schools, festivals, conferences, and on campus for a larger audience. No more than six semesters may be applied toward any degree. Prerequisite: permission of instructor. Pass/D+/D/Fail grade only. (Formerly SPCH 24, 25; *Readers Theater*.)

33. *Nonverbal Communication in Human Interaction* 3 s.h.
Once a year

Processes and effects of communicating in nonverbal behavior and message systems with emphasis on communication by means of body movement (kinesics), spatial relationships (proxemics) and vocal cues (paralinguistics); by means of touch, physical appearance and dress, physical behavior and communication through objects. Readings, discussion and research projects. (Formerly SPCH 120.)

43. *Fundamentals of Organizational Communication* 3 s.h.
See course description, page 431.

47. *Freedom of Speech* 3 s.h.
Fall

A survey of the rights, freedoms, duties, responsibilities and limitations of communicators in interpersonal interactions arising from Parliamentary rules, the First Amendment and other judicial and legislative sources. An awareness of the interrelationship between freedom of expression, legal concepts, politics, economic and sociological aspects of everyday life is developed through critical analysis and debate of historical and current situations.

53. *Gender and Intercultural Issues in Communication* 3 s.h.
Once a year

An investigation of how and to what extent gender and culture influence individuals' strategies for communicating. Attention is given to verbal and nonverbal norms of one's own culture and gender, and the extent to which rigid adherence to such norms may impede effective communication. (Formerly SPCH 107, *Gender and Cross-Cultural Issues in Communication*.)

107. *Argumentation and Debate* 3 s.h.
Once a year

Basics of argumentation; evidence, argument and analysis. Practice in construction of briefs and in effective oral presentation of logical argument. Emphasis on critical thinking and examination of current public policy issues. Prerequisite: one of the following: SPCM 1, 7, 157; SCO 3; or permission of the instructor. (Formerly SPCH 108.)

109. *Communication and the Legal System* 3 s.h.
Fall, Spring

Introduction to the communication process in the legal system with attention paid to client counseling, negotiation, mediation and arbitration, and advocacy. The core of this course is the investigation into communication theory as it applies to the legal process. Work in class involves performance, criticism and research. (Formerly SPCH 110.)

117. *Advanced Public Speaking* 3 s.h.
Once a year

Theory and history of rhetoric; the use of logical, emotional, and ethical appeal; the psychology of speaker and audience; semantic problems in speaking. Practical applications include preparation and presentation of impromptu, manuscript, broadcast, and ceremonial speeches. Prerequisite: SPCM 7. (Formerly SPCH 117.)

#Core course

119. *Small Group Communication* 3 s.h.
Once a year
Theory and practice of reaching decisions rationally and democratically through cooperative thinking. For individuals engaged in education, management, public affairs, labor relations, and other problem-solving and decision-making situations. Prerequisite: one of the following: SPCM 1, 7, 157; SCO 3; or permission of the instructor. (Formerly SPCH 111, *Small Group Discussion*.)
121. *Advanced Performance Studies* 3 s.h.
Once a year
Group performance of literature, exploration of narrative voice in performance, techniques of audience analysis, scripting, directing and performing for Chamber Theater. Rehearsal hours are required. Prerequisite: SPCM 21. (Formerly SPCH 122, *Advanced Interpretive Reading and Performance Studies*.)
125. *Dramatic Activities in Educational and Therapeutic Settings* 3 s.h.
Once a year
Provides the student teacher/therapist with an opportunity to use the techniques of role play and improvisation to reinforce a curricular area, encourage social skills and facilitate communication. Use of dramatic activities as a diagnostic and therapeutic tool with special populations is explored, as well as the social value of theater in the classroom. (Formerly SPCH 125.)
128. *American Public Address: The Rhetoric of Conflict and Controversy* 3 s.h.
Once a year
The role of public address in shaping today's world. Historical and theoretical background, analysis of speeches in politics, religion, labor, education and social reform using films and recordings of controversial contemporary speakers. (Formerly SPCH 119, *Rhetoric of Conflict and Controversy*.)
147. *Intercollegiate Forensics* 1 s.h.
Fall, Spring
Preparation for and competition in intercollegiate forensics (speech and debate). Includes frequent weekend travel. No more than six semester hours may be applied toward any degree. Prerequisite: permission of instructor. Pass/D+ /D/Fail grade only. (Formerly SPCH 109, *Intercollegiate Speech and Debate*.)
- 150, 151. *Independent Study/Readings* 1-3 s.h. each
Fall, Spring
Guided student research through selections assigned by the instructor for written and oral reports. Students must obtain, before registration, written permission of the instructor who will guide the research. May be repeated for a total of 6 s.h. (Formerly SPCH 151, *Special Studies in the Speech Arts*.)
157. *Communication Systems: History and Theories* 3 s.h.
Fall Spring
This course introduces students to the history of the study of oral public discourse, the development of classical rhetoric, narrative and the performance of classical texts, and the distinction between orality and literacy in the construction of narrative. The course explores the impact of the development of the printing press, publishing and journalism on the construction, dissemination and reception of messages by audiences. Comparisons are made between the various communication contexts and their role in shaping spoken or written rhetorical "texts." (Formerly SCO 1)
- 170, 171. *Speech Communication and Rhetorical Studies Internship* 3 s.h. each
Fall, Spring
An internship program that affords students an opportunity to apply their classroom experience in speech communication to a professional work setting. Students work a requisite number of hours and complete a paper relevant to their work experience. Periodic meetings with supervising speech communication and rhetorical studies faculty are required. May be repeated for a total of 6 s.h. Prerequisites: junior class standing and successful completion of 21 credits in speech communication and rhetorical studies; GPA of 3.0 or better or permission of internship coordinator. Students must be approved for admission into the program before registering. (Formerly SPCH 179, *Speech Arts Internship*.)
- 180-189. *A-Z. Special Topics in Speech Communication and Rhetorical Studies* 1-4 s.h. each
Fall, Spring
Intensive study of major communication theories, situations, paradigms, and/or scholars. Subjects to be selected yearly. Prerequisite: one of the following: SPCM 1, 7, 157; SCO 3; or permission of the instructor.
199. *Departmental Honors* 3 s.h.
Fall, Spring
The research for and the writing of a substantial essay, or the research, execution and presentation of a creative project in speech communication and rhetorical studies. Open only to senior speech communication and rhetorical studies majors who are eligible for and desire to graduate with departmental honors and who secure, before registration, the written permission of the instructor who will supervise the essay or project.
219. *Advanced Studies in Small Group Communication* 3 s.h.
Periodically
Study and practice in public address for educators, administrators and other school personnel. The course includes experiences in a variety of speaking situations, types and forms of discussion and parliamentary procedure. Problem-solving and decision-making conferences and meetings; conference leadership experiences are included. Prerequisite: undergraduate study in public speaking, debate or small group communication or permission of instructor. (Formerly SPCH 211, *Discussion, Conference Leadership and Public Address*.)
221. *Literature in Performance* 3 s.h.
Periodically
Provides an experience in the communication of literature to an audience. Oral and theatrical techniques are combined to project the work of the author to stimulate and excite the imagination of the audience. This course is particularly geared to teachers. (Formerly SPCH 222, *Interpreters Theater*.)
300. *Departmental Seminar* 3 s.h.
Periodically
This seminar is generally a small class that concentrates attention upon a particular topic in speech communication. Students read, reflect upon, and write research papers about selected topics which pertain to the seminar, and discuss and defend their views in weekly class meetings. Not open to freshmen and sophomores. Prerequisite: 12 s.h. in speech communication coursework.

Speech-Language-Hearing Sciences (SPCH)

Associate Professor Bloom, *Chairperson*

Professor White; Associate Professors Eisen, Ferrand, Reiter; Assistant Professors Scheffler, Martin.

The Speech-Language-Hearing Clinic is fully accredited by the Professional Services Board of the American Speech-Language-Hearing Association.

B.A. SPECIALIZATION IN SPEECH-LANGUAGE HEARING SCIENCES: the departmental requirement for speech-language hearing sciences

majors is 124 semester hours for the B.A. degree including 37 semester hours in the major area as follows: SPCH 5, 6, 10, 101, 102, 103, 131, 132, 133, 134, 135, 137, 138. In addition, PSY 140 is required.

Undergraduates may not register for M.A. level courses in Speech-Language Pathology or Audiology.

See complete B.A. requirements, page 82.

A MINOR IN SPEECH consists of the successful completion of 18 semester hours in speech-language-hearing sciences, with at least 6 hours in residence, under advisement and with the approval of the adviser.

SIGMA PI: a national speech honor society, see page 72.

MASTER OF ARTS IN AUDIOLOGY AND SPEECH-LANGUAGE-PATHOLOGY: these programs are intended for students who plan to be audiologists or speech-language pathologists in clinical and hospital environments, private practice, early intervention programs, and primary and secondary educational settings. The academic and clinical programs are accredited by the Committee on Academic Accreditation and the Professional Services Board of the American Speech-Language-Hearing Association (ASHA) and the New York State Department of Education for Licensure in Audiology or Speech-Language-Pathology. Students may elect to complete additional coursework for eligibility toward certification as Teacher of the Speech and Hearing Handicapped.

The applicant for this degree should have completed an undergraduate concentration in communication sciences and disorders. Applicants who have not done so, must complete prerequisite coursework as per advisement by the Graduate Program Director. Students who are completing prerequisites, and meet our M.A. admissions criteria (see below) may be granted provisional admission. Provisional admission requires that students obtain a GPA of 3.3 or better *in each prerequisite course*, in order to continue in the M.A. Program.

Application documentation must include a personal essay, GRE scores, and current letters of recommendation from at least three members of the academic faculty or administration at the institution from which the candidate received the baccalaureate degree. An interview may be required. Approval of admission by the Graduate Admissions Office at Hofstra and the Graduate Program Director of the department are also required.

Admission Procedures:

Admission to the M.A. Programs in Audiology and Speech Language Pathology occurs only in the fall semester. Applications must be received by February 1. Students are advised to contact the Office of Graduate Admissions at least 2 weeks *prior* to February 1st, to confirm that their applications are complete. Applications received after February 1 will be reviewed only if space becomes available.

A nonrefundable tuition deposit of \$250 is required of all accepted part-time and full-time matriculated students. When registering for the semester for which the student has been admitted, the deposit will be credited toward tuition.

Scholarships are available for qualified students. Awards are made annually based on merit. Prospective students must file scholarship applications through the Graduate Admissions Office. Matriculated students must file their applications with the Graduate Program Director. Applications must be filed no later than February 1.

No more than six semester hours of graduate courses from another university, will be accepted toward Hofstra's M.A. degree. These semester hours must have been completed prior to acceptance into the graduate program. Coursework which was completed more than five years prior to admission into the graduate program will not be accepted toward the M.A. degree in Audiology or Speech-Language Pathology. All semester hours

after acceptance must be completed in residence. The M.A. degree must be completed within a five-year period from the date of completion of the student's first M.A. level course, excluding SPCH 235 and 235L.

All programs of study in audiology and/or speech-language pathology must be designed under advisement by a faculty member and approved by the Graduate Program Director. All part-time students are strongly encouraged to complete at least 6 semester hours per semester.

Candidates must maintain a minimum 3.0 average throughout their course of study. Any candidate falling below a 3.0 average will be placed on probation. A probationary status may not be maintained for more than one semester, inclusive of summer sessions. Any candidate who fails a required course in the program is subject to dismissal.

Students who have accumulated 2 or more incomplete grades at the start of a semester, including summer sessions, may not begin clinical practicum. Clinical practica in students' minor area are excluded from this policy. Students who have an incomplete grade for any clinic course in the major area may begin the next clinic practicum in the sequence only after the incomplete clinic grade has been eliminated and a satisfactory letter grade has been assigned.

Students are required to complete successfully the comprehensive examination during the last semester of graduate study. Applicants for the examination must file within the first month of the semester in which they plan to take the examination.

Continuation in the M.A. programs requires satisfactory interpersonal behavior and professional performance in clinical practice, with no documented reports of unprofessional or unethical conduct.

For further information regarding graduate programs and scholarships, contact Associate Professor Eisen, *Graduate Program Director*, 106 Davison Hall. For students interested in the audiology program, contact Associate Professor Reiter, 107 Davison Hall.

PROGRAM REQUIREMENTS

A candidate elects one of two programs of study—Audiology or Speech-Language Pathology. Audiology majors require a minimum of 50 semester hours of graduate work taken within the department, including 7 semester hours in speech-language pathology. Speech-language pathology majors require a minimum of 53 semester hours of graduate work taken within the department. Included as part of the total Speech-Language Pathology M.A. requirements, students who have completed a 3 semester hour undergraduate course in aural rehabilitation are required to complete 4 graduate-level semester hours of audiology; all other speech-language students are required to complete 7 semester hours in audiology including aural rehabilitation.

Within each of the programs of study, a student must choose either a Master's Thesis or non-thesis track. The Master's Thesis track requires SPCH 301-302 as part of the M.A. degree requirement. Regardless of the track chosen, a comprehensive examination must be taken in the student's final semester of study, under advisement of the Graduate Program Director. The Comprehensive Examination will be offered three times each academic year: Fall, Spring, and Summer.

Each student must complete 25 hours of supervised clinical observation prior to registering for graduate clinical practica. A minimum of 375 clock hours of clinical practica are required at the graduate level with at least one practicum scheduled during a fall or spring semester. Within the first year of study, speech-language students must complete at least 35 hours of clinical work in audiology; Audiology students must complete at least 35 hours of clinical work in Speech-Language Pathology.

Each student must provide documentation of: inoculation for measles/mumps, rubella and, annually, documentation of a negative TB test and physical examination.

M.A. IN AUDIOLOGY: 50 credits as follows: SPCH 205, 207, 226, 227, 228, and 237A within the first year of study. SPCH 237B, 238, 239, 240A, 240B, 247, 250A, 250B, 260A, 261A and 262A. In addition to

SPCH 228, at least 6 semester hours in speech-language pathology as follows: 3 semester hours in speech disorders chosen from SPCH 230, 244, 248, or 249; and 3 semester hours in language disorders chosen from SPCH 241, 242, or 243.

M.A. IN SPEECH-LANGUAGE PATHOLOGY: SPCH 207 and 209 (taken within the first 12 semester hours), 226, 228 and 229 (taken within the first 21 semester hours), 204, 212, 232, 241, 242, 243, 248, 249, 260S, 261S, 262S. At least 3 semester hours of speech and hearing science chosen from SPCH 203, 205, 206. At least 6 semester hours of speech-language electives chosen from SPCH 210, 230, 244, 253, 263. SPCH 230 is strongly recommended for students applying for certification as a Teacher of the Speech and Hearing Handicapped. At least 3 semester hours in hearing disorders chosen from SPCH 237A, 238, 239; for those students for whom it is a requirement (see above), 3 semester hours in aural rehabilitation, SPCH 247. Students who do not have an undergraduate degree or concentration in Speech-Language Pathology must complete SPCH 209 and one graduate-level course in *either* speech or language disorders *prior to registering for SPCH 228*.

PREPARATION FOR ELIGIBILITY FOR NEW YORK STATE CERTIFICATION—TEACHER OF THE SPEECH AND HEARING HANDICAPPED: all requirements for the M.A. in Speech-Language Pathology, as listed above, must be completed. In addition, three semester hours in foundations of education, 3 semester hours in educational psychology, SPCH 139 and SED 217 are required. If either foundations of education, educational psychology, SPCH 139 or its equivalent were completed during undergraduate study, they may be accepted in lieu of these course requirements. Students who are preparing for teacher certification may take SED 217 in lieu of SPCH 262S. This coursework prepares students for eligibility toward teacher certification. Following completion of the M.A. degree and the teacher education requirements, students should apply directly to the state for certification.

ADVANCED CERTIFICATE: PREPARATION FOR ELIGIBILITY FOR NEW YORK STATE CERTIFICATION AS TEACHER OF THE SPEECH AND HEARING HANDICAPPED (TSHH) AND BILINGUAL EXTENSION FOR THE M.A. IN SPEECH-LANGUAGE PATHOLOGY (SLP): Admission to the Advanced Certificate Program for TSHH and the Bilingual Extension in Speech-Language Pathology requires demonstrated proficiency in English and a second language (e.g. Spanish), current matriculation in Hofstra's Master's program in Speech-Language Pathology (SLP), or a Master's degree Speech-Language Pathology, which meets current certification requirements of the American Speech-Language-Hearing Association. Language proficiency will be determined by oral and written examination prior to admission to the certificate program.

Applicants who currently hold a Master's degree in Speech-Language Pathology must complete all required course work for the **TSHH and Bilingual Extension in Speech-Language Pathology**.

Students currently matriculated in Hofstra's M.A. Program in Speech-Language Pathology must complete all course work required for the **M.A. in Speech-Language Pathology and the TSHH and Bilingual Extension in Speech-Language Pathology**.

Required courses in Speech-Language Pathology Accredited Master's program including:

- SPCH 209. *Developmental Psycholinguistics* and
- SPCH 261S. *Methods and Procedures II—Management of Speech-Language Disorders*, or equivalent.

Bilingual Extension and Teaching Certificate (21 or 24 s.h.*)

- 1. SPCH 241. *Pediatric Communication Disorders: Birth to Five*, or equivalent
- 2. SPCH 243. *Language Disorders and Learning Disabilities: Kindergarten Through Adulthood*, or equivalent
- 3. ELED 225. *Teaching English as a Second Language*
- 4. LING 210. *Second Language Acquisition*

- 5. SED 265. *Methods and Materials in Bicultural Education*
- 6. Choose A. or B.
 - A. CT 260. *Foundations, Theory and Practice of Bilingual, Bicultural Education*
 - B. FDED 248. *Multicultural Education in the Metropolitan Area*
- 7. CT 268. *Practicum: Teachers of Non-English Speaking Students*

***Please Note:** Under certain circumstances, students may be required to complete SED 217. *Student Teaching*, in lieu of CT 268.

Students who have successfully completed this Advanced Certificate as well as the New York State Education Department liberal arts requirements, New York State Teacher Certification Examinations, the New York State administered language proficiency examination, are eligible to apply to New York State for teacher certification as a TSHH with Bilingual Extension for the M.A. in SLP.

If further information is needed, contact the Graduate Program Director at (516) 463-5508.

See complete graduate information, page 73.

COURSES

In addition to semester notations next to each course, a selection of courses is offered during January and Summer sessions. Consult the *January* and *Summer Sessions* bulletins for these schedules.

- 5. *Phonetics* 3 s.h.
Fall, Spring
The study of the science of speech production, including acoustic and articulatory phonetics, phonetic transcription and sound discrimination. Attention focuses on the acoustic and physiological characteristics of speech sounds within language structure.
- 6. *Anatomy and Physiology of the Speech Mechanisms* 3 s.h.
Fall, Spring
Structure and function of the systems involved in the production and perception of speech including respiration, phonation, articulation, and central and peripheral nervous systems. The importance of coordination and integration of these systems for communication is emphasized. (Formerly *Anatomy and Physiology of the Speech and Hearing Mechanisms*.)
- 8. *Anatomy, Physiology and Science of Hearing* 3 s.h.
Fall, Spring
Structure and function of the auditory system explored via examination of text material, surgical drawings and models, classic and current theories and experiments in the area of audition. Additional topics include: resonance, decibels, binaural hearing, auditory adaptation and recruitment.
- 9. *Exploring the Communication Sciences #* 3 s.h.
Fall, Spring
A critical examination of the current theories and methods used to investigate speech, language and hearing processes. The concepts and measurements used in the study of the physical and psychological correlates of speech, hearing, and language are introduced. These concepts are applied to the analysis of speech production, auditory perception and language representation. (Formerly *Approaches to the Speech, Language, and Hearing Sciences#*)
- 10. *Sociocultural Influences on Spoken and Written Communication* 3 s.h.
See course description, page 429.
- 100. *Honors Essay-Project* 3 s.h.
Fall, Spring
Research for the writing of a substantial essay, or the research, execution, and presentation of a creative project in the speech-

#Core course

language-hearing sciences. Open only to senior department majors who are eligible for and desire to graduate with departmental honors and who secure, before registration, written permission of the supervising instructor.

101. *Experimental Psycholinguistics* 3 s.h.
Spring

Explores concepts in psychoacoustics, semantic memory, language organization, lexical-retrieval, and verbal learning. Students learn to test basic theories and assumptions about language and verbal learning through directed laboratory exercises. (Formerly *Psychology of Speech and Language*.)

102. *Language in Child Development* 3 s.h.
Fall, Spring

Patterns of normal language acquisition in children are examined at different developmental levels. Aspects of phonology, morphology, semantics, syntax and pragmatics are studied along with the cognitive, social and cultural factors that contribute to language learning and literacy. Students learn how to obtain and analyze language samples. (Formerly *Normal Development of Language*.)

103. *Speech and Hearing Science* 3 s.h.
Fall, Spring

Study of the physiology of speech production, the acoustic characteristics of voice and the processes by which listeners perceive the sounds of speech. Students gain experience with current technology and instrumentation in the Speech and Hearing Science laboratory. Prerequisites: SPCH 5, 6. (Formerly *Introduction to Speech and Hearing Sciences*.)

104. *Manual Communication* 3 s.h.
Spring

A history of manual communication including the rationale for its use in therapy. A basic vocabulary of useful signs (Ameslan) will be taught in addition to developing a proficiency in finger spelling. No liberal arts credit.

131. *Disorders of the Speech Production and Speech Perception Systems* 3 s.h.
Fall, Spring

The course focuses on the speech production systems of respiration, phonation, articulation, and resonance, as well as the coordination that is required to integrate these systems for normal speech production. Breakdowns in these systems that produce disorders of resonance, fluency, and articulation are discussed with reference to children and adults. Speech perception and its impact on audition is also addressed. Five hours of observation are required. Prerequisites: SPCH 5, 6. (Formerly *Disorders of Communication I*.)

132. *Disorders of Language in Childhood* 3 s.h.
Fall, Spring

The course focuses on disruptions in phonology, morphosyntax, semantics, and pragmatics and its impact on child development. Various clinical syndromes and associated developmental patterns are addressed. The effect of language breakdown on literacy achievement, academic performance and social intervention is emphasized. Prerequisites: SPCH 5, 6, 102. (Formerly *Disorders of Communication II*.)

133, 134. *Clinical Methods in Speech, Language and Hearing Disorders I and II* 2 s.h. each

Fall, Spring
Supervised observation, report writing, discussion of instructional methods for individuals with speech-language and hearing disorders. Laboratory requirement of one hour per week. Prerequisites: SPCH 131, 132.

135. *Communication Disorders of the Neurological System* 3 s.h.
Fall, Spring

This course focuses on communication disorders resulting from breakdowns in the neurological system. Disorders arising from adventitious and progressive impairment to the various sites in the central and peripheral nervous systems are explored. The consequences of these communication problems are discussed as they impact on motor, linguistic, cognitive, vocational, and socio-emotional functioning across the life-span. Five hours of observation are required. Prerequisites: SPCH 5, 6. (Formerly *Disorders of Communication III*.)

137. *Introduction to Audiology* 3 s.h.
Fall, Spring

Problems of the deaf and hard-of-hearing, with emphasis on the anatomy and physiology of the ear, audiometric procedures and problems of sociological, educational and physiological rehabilitation. Prerequisite or corequisite: SPCH 103.

138. *Integrative Aural Rehabilitation* 3 s.h.
Fall, Spring

The ramifications of hearing loss and hearing test results as they relate to the rehabilitative needs of hearing impaired people. Techniques and technologies used in audiologic rehabilitation. Topics include: hearing aids, assistive listening devices, speech-reading, auditory training, counseling, speech and hearing conversation, speech and language therapy, deaf education. Prerequisite: SPCH 137. No liberal arts credit.

139. *Organization of a Speech and Hearing Program in Elementary and Secondary Education* 2 s.h.

Fall
Methods of organizing speech/language and hearing programs in public schools. Exploration of different models of service delivery, e.g., pullout, collaborative, team teaching. Introduction of state and federal regulations regarding children with communication disorders. Recommended for seniors and graduate students. Prerequisites: SPCH 131, 132. No liberal arts credit.

150. *Special Studies in the Speech Sciences* 1-2 s.h.
Fall, Spring

Guided student research through selections assigned by the instructor for written and oral reports. Student must obtain, before registration, written permission of the instructor who will guide the research.

203. *Seminar: Speech and Hearing Sciences* 3 s.h.
Periodically

Acquaints students with the literature and research in the areas of acoustic phonetics, psychological and physiological acoustics, with emphasis placed upon clinical application. Preliminary consideration is given to the parameters of the acoustic signal and to basic measurement techniques. Subsequently, students develop individual topics which serve as discussion topics during the course.

204. *The Neural Bases of Speech, Language and Hearing* 3 s.h.
Spring

Explores how human communication is predicated on neuronal communication. Examines brain anatomy and physiology as they relate to speech, language and hearing. Topics include: embryonic development, neuronal communication, perceptual and motor responses produced by different neuronal interconnections. Prerequisite: undergraduate course in anatomy and physiology. (Formerly *Neurolinguistics; Neurologic Bases of Communication Processes*.)

205. *Physiological and Psychological Acoustics* 3 s.h.
Fall

Detailed study of the factors underlying the perception of auditory stimuli. Topics include psychological scaling, loudness,

pitch, binaural hearing, masking, adaptation, absolute threshold and differential thresholds; the transformer action of the middle ear, the analytical function of the cochlea, the electrical activity of the auditory system, cortical responsiveness to complex stimuli as well as theories of hearing. Prerequisite: SPCH 103 or equivalent.

206. *Experimental Phonetics* 3 s.h.
Periodically
Examination of the instrumentation used to study the production and perception of voice and speech signals. Emphasis placed on acoustic and physiological methods of speech analysis. Laboratory equipment is utilized in individual student projects. Prerequisite: permission of instructor.
207. *Research Seminar: Speech and Hearing* 3 s.h.
Fall, Spring
Critical analysis of research problems, measurement of data, and interpretation of research in the field of speech and hearing, with emphasis on student's individual projects.
209. *Developmental Psycholinguistics* 3 s.h.
Fall, Spring
An in-depth study of the multiple factors affecting spoken and written language development. Cognitive, cultural, pragmatic, and environmental aspects are explored. Research in developmental psycholinguistics, literacy, bilingualism, and discourse processes is examined. Students are required to complete field research of language behavior. Prerequisite: SPCH 102 or equivalent; or permission.
210. *Discourse Processes* 3 s.h.
Periodically
Methods of computer analysis of normal and disordered discourse including interpretation and evaluation. Course consists of lecture, discussion and lab experience. Students are required to generate their own methods of inquiry based on theoretical constructs of language behavior. Students are required to have a transcript of dyadic communication ready for analysis. Prerequisite: SPCH 209 or permission. (Formerly *Computer Methods of Analysis; Language Behavior*.)
212. *Communication in Healthy Aging* 3 s.h.
Once a year
Focuses on the biologic, psychologic and physiologic changes that affect communication. The natural aging processes that underlie speech, language and hearing are contrasted with pathological changes in communication. Cultural and linguistic influences are explored. Available to graduate students in Audiology, Speech-Language Pathology, Gerontology, Psychology, Sociology; Counseling, Special Education, and Rehabilitation.
226. *Clinical Practicum: Audiology* 1 s.h.
Fall, Spring
Supervised practice and seminar at the Hofstra Speech-Language-Hearing Clinic. Students administer evaluations and provide treatment to individuals at different developmental levels. A weekly seminar focuses on methods and models for diagnosis and management of children and adults. Seminar topics include screening procedures, tympanometry, ABR and OAE, CAP, habilitation and educational issues, hearing aids, disabilities related to hearing impairment. Legal, ethical, and sociocultural and linguistic issues are explored. In order to meet the requirements of this practicum, students should be available at least 100 hours/semester. Prerequisites: 25 hours of observation, undergraduate major in communication disorders or SPCH 137 or equivalent. For Audiology majors must be taken concurrently or following 227. May not be taken on a Pass/Fail basis.
227. *Introduction to Audiometric Instrumentation and Testing* 3 s.h.
Fall, Spring
Provides intensive study (via hands-on practice, readings and discussion) of tests and procedures relevant to the differential

diagnoses of hearing disorders, including interpretation of findings and report preparation. A minimum of 28 laboratory hours with accompanying lecture is required (hours to be arranged). Prerequisite: SPCH 137 or permission of instructor. May not be taken on a Pass/Fail basis.

228. *Introductory Speech-Language Practicum* 1 s.h.
Fall, Spring, Summer
Supervised practicum at the Hofstra Speech-Language-Hearing Clinic. Students administer evaluations and provide treatment to individuals at different developmental levels from culturally and linguistically diverse populations. A weekly seminar focuses on application of methods and models for diagnosis and intervention, as well as ethical and legal issues. In order to meet the requirements of this practicum, students should be available at least 100 hours/semester. Prerequisites: 25 hours of observation, undergraduate major in communication disorders or SPCH 209 and three graduate semester hours in either speech disorders or language disorders prior to registration. Must be taken concurrently with SPCH 229 or permission. SPCH 228 may be repeated for credit with permission of graduate program director. (Formerly *Introduction to Clinical Practicum*.)
229. *Evaluation and Interpretation of Communication Disorders* 3 s.h.
Fall, Spring
Provides an intensive study of standardized and non-standardized procedures relevant to the evaluation of speech, language and literacy at different developmental levels. Socio-cultural issues are explored. An ethnographic approach guides interpretation of events and report writing. In addition to lectures, students are required to complete a minimum of 10 laboratory hours. Laboratory fee, \$10. Prerequisites: SPCH 132, 135, 209, practicum, or permission of instructor.
230. *Disorders of Fluency* 3 s.h.
Spring
In-depth investigation of normal vs. disordered fluency, including the development of fluency in children; physiological processes involved in fluent and disfluent speech; theoretical perspectives regarding etiology, sociocultural issues, and approaches to clinical management.
232. *Disorders of Phonology and Articulation* 3 s.h.
Fall
Exploration of the problems in acquisition and production of the sound system of English at different developmental levels. Theoretical and applied perspectives are investigated, and consideration is given to evaluation and remediation using various theoretical models. Cultural and linguistic differences are discussed.
235. *Introduction to Speech-Language-Hearing Disorders* 3 s.h.
Fall, Spring
An intensive study of theories, clinical manifestations and etiologic factors associated with the full scope of communication disorders. Cultural and linguistic factors are addressed. Course is for nonmajors and for students who have not formerly studied speech, language, and hearing disorders. Students completing prerequisites for the M.A. Programs in Audiology or Speech-Language Pathology must register for SPCH 235 and 235L concurrently. Prerequisite: graduate status. May not be used for credit toward the M.A. in Speech-Language Pathology or Audiology. (Formerly *Introduction to Speech, Language and Hearing Disorders; Introduction to Speech and Language Disorders*.)
- 235L. *Clinical Observation and Report Writing* 2 s.h.
Fall, Spring
Course is required for students seeking supervised clinical observation to satisfy ASHA's requirements. Must be taken concurrently with SPCH 235. Course is designed for students completing prerequisites for and pursuing entry into the M.A. program

in Audiology or Speech-Language Pathology. At least 25 hours of supervised clinical observation are completed at Hofstra's Speech-Language-Hearing Clinic and affiliated off-campus facilities. Clinical observations are integrated with the study of communication disorders.

237. *Advanced Audiology* 3 s.h.
Fall

Advanced pure tone and speech audiometry and tests in the differential diagnosis of auditory disorders. Evaluation of nonorganic hearing loss. Analysis of clinical data. Implications of cultural and linguistic differences for audiologic assessment. Prerequisite: SPCH 137 or permission of instructor.

237A. *Advanced Audiology I* 3 s.h.
Fall

An in-depth exploration of the basic audiological evaluation. Theoretical and practical issues regarding pure tone testing, speech threshold and speech discrimination testing, and immittance testing are examined. Careful attention is given to goals of assessing the site of auditory lesion and the extent of the communicative handicap. Logic and application of clinical masking, and the effects of cultural diversity and aging on test dynamics are emphasized. Credit given for this course or SPCH 237, not both.

237B. *Advanced Audiology II* 3 s.h.
Spring

Advanced examination of the procedures and principles of differential diagnosis in audiology. The course analyzes the range of specialized "site of lesion" tests for both peripheral and central auditory pathologies, with respect to their physiological underpinnings, procedural methodologies, and implications for diagnosis. Finally, the course explores variations in testing related to patient variables such as aging and cultural diversity. Prerequisite: SPCH 237A.

238. *Seminar: Auditory Pathologies* 3 s.h.
Spring

In-depth investigation of congenital and acquired pathologies which directly or indirectly affect the auditory system. Disorders, diagnoses, treatments, rehabilitation and prognoses of various disorders are discussed.

239. *Pediatric Auditory Assessment* 3 s.h.
Once a year

Differential diagnosis of auditory disorders in children. Tests and techniques in the identification of deafness in infants and young children including behavioral and electrophysiological measurements. Impact of cultural factors is discussed.

240A. *Introduction to Hearing Aids and Related Instrumentation* 3 s.h.
Spring

This introductory course examines the theoretical foundations of current hearing aid technology. The history of amplification and its present status in the United States and abroad is examined. The physical and electroacoustic characteristics of hearing aids are studied. Students develop an understanding of the advantages of various types of hearing aid technology. Classes consist of lectures and hands-on experience in selecting amplification devices. Students conduct electroacoustic measurements, make earmold impressions, hearing aid modifications and perform basic hearing aid repair techniques. May not be taken on a Pass/Fail basis. Credit given for this course or 240, not both.

240B. *Advanced Hearing Aids and Related Instrumentation* 3 s.h.
Fall

This advanced course examines the theoretical and clinical issues related to hearing aid candidacy and fitting. Research is pre-

sented on self-assessment scales used to assess hearing aid benefit. The selection and evaluation of assistive devices are discussed. Course includes discussion of analog, digital and programmable aids. Business aspects of hearing aid dispensing is highlighted through model dispensing programs. Case analysis is used extensively throughout the course to illustrate successful and unsuccessful hearing aid fittings. Field trips to hearing aid manufacturing companies and an assistive device center are required for this course. May not be taken on a Pass/Fail basis. Credit given for this course or 240, not both.

241. *Pediatric Communication Disorders: Birth to Five* 3 s.h.
Fall

In-depth study of communication behaviors of at risk and disordered infants, toddlers, and preschoolers. Clinical and educational implications of neurologic, environmental, psychological, cultural and social phenomena are investigated. Students are required to complete field research comparing infants and children with and without communication disorders. Prerequisite: a course in either normal language development, theories of development, or permission of instructor. (Formerly *Disorders of Early Child Language*.)

242. *Aphasia and Related Disorders* 3 s.h.
Fall, Spring

An exploration of communication disorders that result from left brain damage, right brain damage, and diffuse neurological injury. Theoretical, neuropsychological, and sociolinguistic perspectives are examined. Differential diagnostic approaches and clinical management are discussed. (Formerly *Aphasia*.)

243. *Language Disorders and Learning Disabilities: Kindergarten Through Adulthood* 3 s.h.
Spring

An intensive study of the connections between oral and written language, literacy development, academic skills, and their socio-cultural significance. The influence of bilingual and multicultural factors is addressed. Students are required to complete field research with persons who are normally achieving and those who are language-learning disabled. Prerequisites: a course in either normal language, reading, writing, psychologic processes, or permission of instructor. (Formerly *Language Disorders and Learning Disabilities*.)

244. *Cleft Palate and Cranio-facial Disorders* 3 s.h.
Spring

This course explores the incidence, etiology and symptomatology of various types of craniofacial disorders including cleft lip and palate. Genetic, cultural and environmental factors are discussed. Surgical and behavioral approaches to clinical management are related to a multidisciplinary team approach. (Formerly *Cleft Palate*.)

246. *Environmental Noise and Industrial Audiology* 3 s.h.
Periodically

Intensive study of the problems related to noise in the environment and work place. Topics covered include effects of noise on man, noise measurement and analysis, basic architectural acoustics, community and industrial problems, governmental regulations and programs for the conservation of hearing.

247. *Aural Rehabilitation Across the Age Span* 3 s.h.
Fall

Discusses theoretical underpinnings and practical applications of aural rehabilitation methods appropriate to hearing impaired populations of different ages. Auditory training, language stimulation, speech reading and speech conservation procedures are explored in detail. The role of hearing aids, assistive listening devices, classroom amplifiers and cochlear implants and cultural issues in aural rehabilitation is discussed.

248. *Motor Speech Disorders* 3 s.h.
Periodically
In-depth study of neuromotor speech disorders in children and adults. Maturational, biological and neuropathological aspects of oral motor function are explored. Emphasis is placed on differential diagnosis and the use of instrumentation to measure motor speech behavior. Intervention is discussed with reference to the use of augmentative systems in persons with severe motor speech dysfunction.
249. *Voice Disorders* 3 s.h.
Fall
Consideration of etiology, symptomatology and clinical management of organic, psychogenic, neurogenic and other voice disorders. Emphasis placed on physiological, acoustic and aerodynamic aspects of the normal and disordered voice signal, as well as on emotional, cultural, and other factors influencing vocal function.
250. *Objective Procedures in Audio-Vestibular Diagnosis* 3 s.h.
Spring
Exploration of current technological advances in objective diagnosis of auditory and vestibular disorders. Brainstem Evoked Response Audiometry (BSER), Electronystagmography (ENG), and other objective tests studied in theory and practice via lectures, demonstrations and hands-on workshops. Prerequisites: SPCH 237, 205 or permission of department. May not be taken on a Pass/Fail basis.
- 250A. *Objective Procedures in Audiological Diagnosis I* 3 s.h.
Fall
This course explores current technological advances in assessment of the patient manifesting symptoms of vertigo. Participants study the anatomy, function, dysfunction and diagnosis of the inner ear's vestibular mechanism, and peripheral and central vestibular systems. The course features lectures, demonstrations and hands-on workshops using Electronystagmography (ENG). Credit given for this course or SPCH 250, not both.
- 250B. *Objective Procedures in Audiological Diagnosis II* 3 s.h.
Once a year
An intensive study of auditory evoked potentials, their measurement by means of Auditory Brainstem Response technology (ABR), and their role in the objective assessment of hearing sensitivity and diagnosis of audiologic pathologies of the peripheral and central auditory system. The course features lectures, demonstrations, and hands-on workshops using ABR instrumentation. The course also explores Otacoustic Emissions (OAE) technology. Participants pay special attention to pediatric and geriatric populations. Prerequisite: SPCH 250A.
- 251A. *Independent Studies* 1-2 s.h.
Fall, Spring
Scholarly readings and independent research focused on a single topic from student's major area. To be arranged with student's major adviser. Prerequisite: permission of adviser and graduate program director is contingent on approval of student's research proposal.
252. *Independent Studies* 3 s.h.
Fall, Spring
In-depth research focusing on a specialized area of the student's major. Study includes conferences with a faculty mentor resulting in a substantive research paper. To be arranged with the student's major adviser. Prerequisite: permission of adviser and graduate program director contingent on approval of a student's research proposal.
253. *Swallowing Disorders in Children and Adults* 3 s.h.
Periodically
Examination of the neuroanatomical and neurophysiological basis of the deglutition process. Intensive study of the normal process at different developmental levels. Investigation of biological and physiological features of deglutition through lectures, reading, research and films. Disorders affecting prefeeding, feeding and swallowing abilities. Etiology, symptomatology, assessment and intervention are discussed, along with consideration of cultural and dietary issues. May not be taken on a Pass/Fail basis.
- 260A. *Clinical Methods and Procedures I (Audiology)* 2 s.h.
Fall, Spring, Summer
A practicum at affiliated off-campus hospitals and/or clinical facilities, completed along with a weekly on-campus seminar. Students gain hands-on experience in clinical management of individuals at different developmental levels, who have hearing impairments. Issues investigated in a seminar include specialized hearing aid measurement such as Real Ear and programmable hearing aids. Selection and fitting of aids, ear mold modification, hearing aid orientation and counseling issues are discussed. Prerequisites: SPCH 226, 227. May be repeated for credit with permission of graduate program director.
- 260S. *Methods and Procedures for Speech-Language Intervention I* 2 s.h.
Fall, Spring, Summer
A practicum at affiliated off-campus schools and clinical facilities, completed along with a weekly on-campus seminar. Students gain hands-on experience in the clinical and educational management of individuals with communication disorders, at different developmental levels, reflecting cultural diversity of the local geographic area. Issues explored in this seminar include interdisciplinary interaction, cultural and linguistic diversity, literacy dysphagia, and models of interaction. Prerequisites: SPCH: 228 and 229, and a graduate course in pediatric disorders. May be repeated for credit with permission of graduate program director. (Formerly *Clinical Methods and Procedures I (Speech-Language Pathology)*.)
- 261A. *Clinical Methods and Procedures II (Audiology)* 2 s.h.
Fall, Spring, Summer
A clinical externship and seminar for audiology majors in rehabilitation and/or assessment of auditory disorders. Supervised clinical practice with individuals at different developmental levels takes place on campus and at off-campus affiliated hospital and clinical sites. The seminar investigates special diagnostic procedures including ENG, posturography, vestibular disorders, ABR & OAE methods and models. Implications of cultural and linguistic diversity are addressed. Prerequisite: SPCH 260A. May be repeated for credit with permission of graduate program director.
- 261S. *Methods and Procedures II—Management of Speech-Language Disorders* 2 s.h.
Fall, Spring, Summer
A practicum at affiliated off-campus schools and/or clinical health care facilities. The speech-language practicum is taken concurrently with a weekly on-campus seminar. Students obtain direct contact experience with individuals from different cultural and linguistic backgrounds. Students provide clinical and/or educational management of individuals at different development levels, who have communicative disorders. The weekly seminar explores issues such as medical speech-language pathology, coma, evaluation and treatment techniques (e.g. AAC, motor speech, laryngectomy, MS, etc.). Prerequisites: SPCH: 260A, 242, 241 or 243. May be taken for bilingual extension credit. May be repeated for credit with permission of graduate program director. (Formerly *Clinical Methods and Procedures II (Speech-Language Pathology)*.)
- 262A. *Advanced Seminar: Clinical Management (Audiology)* 2 s.h.
Fall, Spring, Summer
An advanced seminar and clinical externship for audiology majors in management of auditory disorders. Students are re-

sponsible for development of alternative assessment and intervention techniques. Seminar topics are varied each semester based on current clinical research and technology; topics include cerumen management, auditory neuropathy, and interoperative monitoring. Implications of cultural and linguistic diversity are addressed. Supervised clinical practice with individuals at different developmental levels takes place on campus and at off-campus affiliated health care and clinical sites. Prerequisite: SPCH 261A. May be repeated for credit with permission of graduate program director.

262S. *Advanced Seminar: Management of Communication Disorders* (Speech-Language Pathology) 2 s.h.

Fall, Spring, Summer

An advanced seminar for speech-language majors in management of communicative disorders in individuals at various developmental levels, from different cultural backgrounds. Students are responsible for development of innovative strategies for clinical and/or educational management. Supervised practice takes place on campus and at off-campus affiliated educational and/or health care facilities. Prerequisite: SPCH 261S. May be repeated for credit with permission of graduate program director. May be waived and replaced by SED 217 contingent upon acceptance for student teaching. (Formerly *Advanced Seminar: Clinical Management*.)

263, A-Z. *Special Topics Seminar: Speech-Language-Hearing Sciences* 1 s.h.

Periodically

Each special topics seminar covers current theoretical and/or applied material in speech-language pathology. Examples of seminar offerings include High Risk Infants, Traumatic Brain Injury, Family-Centered Interventions, Brain and Languages. Students may choose three of these 1 s.h. *Special Topics Seminars* to satisfy their 3 s.h. elective requirements. Consult the department for specific course information. Prerequisites: completion of at least 24 s.h. of the M.A. in Speech-Language Pathology.

301-302. *Master's Essay* 3 s.h. each

Fall, Spring

Guided independent readings and preparation of the master's thesis and related research.

Taxation

MASTER OF BUSINESS ADMINISTRATION PROGRAMS, see page 107.

MASTER OF SCIENCE PROGRAMS, see page 111.

Taxation (TAX)

Administered by the Department of Accounting, Taxation, and Business Law. Professor Warner, *Chairperson*

COURSES

In addition to semester notations next to each course, a selection of courses is offered during January and Summer sessions. Consult the *January* and *Summer Sessions* bulletins for these schedules.

220. *Tax Practice and Procedures** 3 s.h.

Periodically

Covers the administrative machinery of IRS, federal tax procedure at the administrative level, closing and compromise agreements, deficiency and jeopardy assessments, refund claims, statute of limitations, tax collection, and rights and privileges of the taxpayer. Prerequisite: ACCT 143 or 216 or approved equivalent. (Formerly ACCT 220, *Research and Procedures in Federal Income Taxation*.)

221. *Income Tax Problems of Partnerships** 3 s.h.

Periodically

Analysis of tax problems and operation of partnerships, including the treatment of distributions, sales and exchanges of part-

nership interests, dissolutions and liquidations. Prerequisite: ACCT 143 or 216 or approved equivalent. (Formerly ACCT 221, *Income Tax Problems of Partnerships, Estates, and Trusts*.)

222. *Federal Income Taxation of the Corporation and Its Shareholders** 3 s.h.

Periodically

Advanced coverage of income taxation of corporations, Subchapter S election and effect of distributions and redemptions on the corporation and its stockholders. Prerequisite: ACCT 143 or 216 or approved equivalent. (Formerly ACCT 222.)

223. *Federal Income Tax Aspects of Liquidations, Mergers and Reorganizations** 3 s.h.

Periodically

Intensive study of Federal Income Tax treatment of corporate liquidations, reorganizations and divisions. Problems relating to collapsible corporations, affiliated groups, foreign corporations and foreign-sourced income are covered. Prerequisite: TAX 222 or approved equivalent. (Formerly ACCT 223.)

224. *Estate and Gift Tax** 3 s.h.

Periodically

Provisions of the Internal Revenue Code relative to estate and gift taxation are analyzed and interpreted in terms of the regulations and rulings of the Internal Revenue Service and court decisions. The New York State provisions relative to estate and gift tax are covered. Prerequisite: ACCT 143 or 216 or approved equivalent. (Formerly ACCT 224.)

225. *Deferred Compensation and Pension Plans** 3 s.h.

Periodically

Law and regulations relating to employee pension, annuity, profit-sharing, stock bonus and bond purchase plans, including plans for self-employed individuals. The Federal Income Tax law with regard to deferred compensation procedures and plans, including stock options, both statutory and nonstatutory, and restricted stock payments are analyzed. In addition, the tax treatment of distributions from qualified plans are analyzed. Prerequisite: ACCT 143 or 216 or approved equivalent. (Formerly ACCT 225.)

226. *State and Local Taxation** 3 s.h.

Periodically

Covers the tax aspects of State and Local Taxation, including income tax, sales tax, multi-state taxation, unitary tax issues, nexus, formulary apportionment and jurisdictional state tax concepts. Prerequisite: ACCT 143 or 216 or approved equivalent. (Formerly ACCT 226, *General Business Taxation*.)

227. *Taxation of International Transactions** 3 s.h.

Periodically

Course explores issues in international taxation such as jurisdiction to tax, source rules for income and expense, foreign tax credit, controlled foreign corporations, foreign earnings exclusion, tax treaties, and other related international tax issues pertaining to ethical considerations. International taxation of individuals also addressed. Prerequisite: ACCT 144 or 215 or 216 or TAX 222 or approved equivalent. (Formerly ACCT 227.)

228. *Tax Research** 3 s.h.

Periodically

Examines the primary sources of the income tax law, including the Internal Revenue Code, and administrative and judicial interpretations. All research sources will be utilized, including electronic sources and the Internet. Prerequisite: ACCT 143 or 216 or approved equivalent.

*Open only to matriculated Zarb School of Business graduate students and/or matriculated School of Education and Allied Human Services graduate students where appropriate.

229. *Advanced Individual Tax Problems** 3 s.h.
Periodically
Analysis of the latest court decisions and rulings related to individual taxpayers. In addition, issues related to the allocation of items of income and deductions, timing issues, accounting concepts and time value of money issues are covered. Prerequisite: ACCT 143 or 216 or approved equivalent.
240. *Income Taxation of Estates and Trusts** 3 s.h.
Periodically
Analyzes income taxation of estates and trusts and their beneficiaries, including computation of distributable net income, taxable income, taxation of simple and complex trusts, computation of income in respect of a decedent and preparation of estate and trust income tax returns. Prerequisite: ACCT 143 or 216 or approved equivalent.
241. *Estate Planning** 3 s.h.
Periodically
Analyzes general principles relating to estate planning, including lifetime gifting, marital planning, wealth transfers, estate freeze techniques, use of insurance in estate planning, generation skipping and charitable planning. Prerequisite: TAX 224 or approved equivalent.
242. "S" Corporation and Advanced Corporate Tax Problems* 3 s.h.
Periodically
Covers relevant technical issues surrounding the election of S corporation status, including the impact of the newest tax laws, IRS rulings and regulations affecting S corporations. Topics to be discussed include election, termination, revocation, built-in gains tax, and tax planning for the S corporation and its shareholders. Prerequisite: TAX 222 or approved equivalent.
243. *Exempt Organizations** 3 s.h.
Periodically
Covers fundamental tax issues concerning not-for-profit entities, including the classification of the tax-exempt entities, filing requirements, unrelated business taxable income and maintenance of the not-for-profit status. Prerequisite: ACCT 143 or 216 or approved equivalent.
244. *Current Developments in Taxation** 3 s.h.
Periodically
Analyzes the latest court decisions and rulings related to corporations, partnerships, estates, trusts, and specialized tax entities. Prerequisite: ACCT 143 or 216 or approved equivalent.
309. *Research Seminar†* 3 s.h.
Periodically
Supervised research in the field of taxation on an approved topic and the preparation of a formal paper. Students formulate a research question; determine the methodological approach; review prior work; and, where appropriate, specify the sample data and research techniques. An oral presentation of the paper is required at the conclusion of the semester. Prerequisite: completion of 21 s.h. of graduate course work in the area of concentration.

Technology and Public Policy (TPP)

Administered by the Department of Engineering. Associate Professor Rooney, *Chairperson*

These courses were formulated in response to the perceived needs of industry, government and business. The objectives are: 1) establish the relationship between technology and public

policy by focusing on the utilization of technology for the fulfillment of societal needs; 2) examine the impact and pervasiveness of existing and potential technology on society; 3) evaluate the converse concept of the role of technological developments in influencing and producing changes in public policy; and 4) determine the effect of public policy on the stimulation, control and regulation of technology as applied to social, economic, political and national defense problems.

The courses are designed to provide students with the opportunity to develop a minor in conjunction with one of several disciplines such as chemistry, communication arts, computer science, economics, engineering, history, mathematics, philosophy or political science.

A MINOR IN TECHNOLOGY AND PUBLIC POLICY consists of the successful completion of 18 hours in TPP 110, 112, 114, 115, 116 and 117 with grades of C- or better, with at least six hours in residence.

COURSES

In addition to semester notations next to each course, a selection of courses is offered during the January and Summer sessions. Consult the *January* and *Summer Sessions* bulletins for these schedules.

1. *Introduction to Environmental Systems #* 3 s.h.
Fall, Spring
Develops an understanding of environmental science and applies it to environmental public policy issues. Fundamental scientific principles discussed include conservation of energy, atmospheric transport, radioactivity, biodegradation and thermodynamics. Public policy issues include acid rain, global warming, nuclear energy, recycling, asbestos and toxic wastes. (2 hours lecture, 2 hours laboratory.)
60. *Introduction to Geographic Information Systems* 3 s.h.
See course description, page 429.
110. *Energy and Society* 3 s.h.
The effect of the production, distribution and consumption of energy by man on the environment and society. Examination of the scientific principles associated with the energy problem and energy forms such as petroleum, natural gas, coal, nuclear, geothermal, solar and others with respect to characteristics, availability and magnitude of these resources. Various technologies are studied to determine the techniques for conversion to electric energy and other forms. The priorities and policies for future development, the social conflict between demand and environmental degradation are considered. Prerequisite: permission of instructor.
112. *Technology and Human Values* 3 s.h.
Assessment of the status of human values in contemporary western society and the factors which affect this status. The first half of the course will examine valuing, choosing, assessing, setting priorities and value disagreements. The second half will apply these findings to selected problems of choice and responsibility emerging from the impact of technology on the person, on society, on the environment and the physical, social, moral and aesthetic quality of life. Same as PHI 91.
113. *Technology and Defense Policy* 3 s.h.
Once a year
Emphasis is on weapons technology (ABM's, long range missiles, nuclear weapons) and how evolving technology influences and is,

*Open only to matriculated Zarb School of Business graduate students and/or matriculated School of Education and Allied Human Services graduate students where appropriate.

†Open only to matriculated M.S. in Accounting and Taxation, and Taxation students.

#Core course

in turn, influenced by changing policies in military security and arms control. Analysis of major U.S. policy decisions concerning strategies, arms control and military systems. The technological, environmental, political, strategic and budgetary factors affecting these decisions are examined. Same as PSC 113.

114. *Technology and Urban Problems* 3 s.h.
An examination of technological, social and economic factors which influence the planning and design of urban areas. Analysis of topics such as (1) land use, water use, pollution and energy factors used in the planning of housing, schools, hospitals, factories and recreational facilities, and (2) urban transportation problems involving methods of mass transportation, pollution, energy, parking and traffic safety. Prerequisite: TPP 110.

115. *Environmental Planning* 3 s.h.
Local, regional and national environmental goals, policies and planning are examined. The course includes environmental quality control, land use planning, pollution abatement policies, environmental impact studies with regard to public works projects, utilities and large industries, The National Environmental Policy Act and Environmental Regulations and Enforcement.

116. *Technology and Communications Policy* 3 s.h.
The examination of the usage and potential control of communications. Topics include use and effectiveness of media, public and private policy with regard to communications, social, political, legal and economic factors, and assessment of regional and national communications systems. Typical of the technologies to be examined are cable TV, computerized instruction, communications satellites, newspapers, radio and standard TV. Prerequisite: ECO 131 or approval of instructor.

117. *Technology Assessment* 3 s.h.
Consideration of the management and control of technology by government. Examination of the interaction of institutional, political and technical considerations. Development of techniques for anticipation of social, economic, human and environmental consequences of technological development in order to provide the public and policy makers with the bases for decision making. Prerequisite: TPP 110, PSC 105 or approval of instructor.

118. *Independent Project* 3 s.h.
Independent analysis, synthesis or experimental work in area of interest. Project to be approved by TPP adviser.

119. *Independent Project* 3 s.h.
Field work in area of interest, guided research in selected topics. Project to be approved by TPP adviser.

130. *Media Technologies and Public Policy* 3 s.h.
See course description, page 429.

149. *Technology and Society—Impact and Implication* 3 s.h.
Fall, Spring
Same as ENGG 149.

201. *Science, Technology and Society* 3 s.h.
Once a year
Course is designed to encourage systematic thinking about the intellectual, moral and social/political issues raised by the rapid growth of science and technology in the 20th century. Case studies examine ways in which cultural, economic and technical elements shaped opportunities for social and political change. The imbedded science and technology are analyzed as well as the effects created by the technologies.

Women's Studies (WST)

Assistant Professor Charno (History), Hofstra College Director;
Associate Professor Longmire, New College Adviser.

The Women's Studies minor program, under the supervision of the College of Liberal Arts and Sciences and New College, provides interdisciplinary perspectives on women in the human-

ities, the social sciences and natural sciences; women in a cross-cultural context; and women's roles and issues.

A MINOR IN WOMEN'S STUDIES consists of the successful completion of 18 semester hours including WST 1 (3 s.h.) and 15 s.h. chosen from among the courses listed below. Courses must be chosen under advisement by the Hofstra College Director or the New College Adviser. At least six hours must be in residence.

Courses offered at the College of Liberal Arts and Sciences (see department listings for course descriptions):

- ANTH 32. *Women & Development*, # 3 s.h.
145. *Women & Men in Anthropological Perspective*, 3 s.h.
- CLL 75. *Women Writers in the Romantic Tradition* #, 3 s.h.
- ENGL 124A. *The Woman Writer in America*, 3 s.h.
182-184, 190, 192, 196-198, A-Z. *Readings in Literature or Special Studies**, 3 s.h. each
- FRLT 42. *Heroines Exotic & Erotic: Romantic Women in 19th-Century French Narrative Prose* #, 3 s.h.
46. *Sex, Gender & Love in 20th-Century French Prose* #, 3 s.h.
60. *Modern French Feminist Thought*, 3 s.h.
- HIST 6C. *History of Changing Sex Roles: Changing Societies*, 1 s.h.
149. *Women in America*, 3 s.h. (Credit towards minor given for this course or SHG 5, not both.)
- JW ST 101. *Special Topics in Jewish Studies****, 3 s.h.
- PHI 167. *Philosophy of Feminism*, 3 s.h.
- PSY 26. *Psychology of Women*, 3 s.h. (Credit towards minor given for this course or SPG 4, not both.)
- SOC 32. *Women & Development* #, 3 s.h. (Credit towards minor given for this course or SGG 60E, not both.)
36. *Marriage & the Family*, 3 s.h.
37. *Parenting, Poverty & Social Policy*, 3 s.h.
140. *Social Inequality*, 3 s.h.
160. *Sociology of Gender*, 3 s.h.
- SPLT 57. *Gender & Culture: Women Through the Lens of Spanish Female Writers* #, 3 s.h.
- SPCM 53. *Gender & Intercultural Issues in Communication*, 3 s.h.
- WST 1. (Credit given for this course or New College ISWB 1, not both.)
198. *Independent Study in Women's Studies*, 3 s.h.

Courses offered at New College (see *New College Addendum*):

- HPG 6. *Educational Controversies*, 4 s.h.
- ISWB 1. *Introduction to Women's Studies*, 4 s.h.
- SGG 5. *Language of Discrimination*, 4 s.h.
60E. *Women in the Third World*, 2 s.h.
- SHG 5. *Herstory: Women in American Culture*, 4 s.h.
- SPG 4. *Psychology of Women*, 4 s.h.
- SPS 22. *Women in Political Theory*, 4 s.h.
60F. *Ecofeminism*, 2 s.h.

Since all courses are not offered every semester, consult the *Class Schedule* and the Hofstra College Director and the New College

#Core course

*May be taken for credit towards the minor in Women's Studies when topic is appropriate, e.g., *Representation of Women in English Renaissance Literature*.

**May be taken for credit towards the minor in Women's Studies when topic is appropriate, e.g., *Women in Jewish Literature*.

***Required for the minor in HCLAS; may not substitute New College ISWB 1 without special permission from Codirectors. Core status of this course: student may elect to count it as partially satisfying either Behavioral Social Science or Humanities Appreciation and Analysis (although it does not satisfy the literature requirement).

Adviser before registering for your program. Information regarding scheduling and independent study opportunities are available in the Department of History. You may also wish to consult with faculty members in individual departments who teach courses listed above for the Women's Studies program. Individual study opportunities and scheduling information for New College are also available in the New College Office. For course descriptions, consult the *General Bulletin* under the relevant department. For New College course descriptions consult the *New College Addendum*.

COURSE

WST 1. *Introduction to Women's Studies* # 3 s.h.
Fall, Spring

An interdisciplinary course which introduces the major ideas and concepts of women's studies and a variety of gender-related issues. The course provides theoretical tools by which to understand these issues and creates an interdisciplinary foundation of basic concepts and perspectives in women's studies. Drawing upon material from a wide range of disciplines: literature, the arts, sociology, language, linguistics, philosophy, psychology, and history, the course prepares the student for more discipline-specific courses on women and gender-related issues in these and other fields. Credit given for this course or New College ISWB 0001, not both.

198. *Independent Study in Women's Studies* 3 s.h.
Fall, Spring

Individualized course of readings or plan of study prepared by student in consultation with and under the guidance of a faculty instructor. Written and/or other requirements for completion are established by the faculty instructor. May be used in partial fulfillment of requirements for a minor in Women's Studies. Prerequisite: permission of instructor and of the director of Women's Studies.

Write Start

Administered by the Department of English, Associate Professor Harshbarger, Academic Director, and the Hofstra College of Liberal Arts and Sciences Dean's Office.

Academic Adviser: Erich Berendt, *Assistant Dean of Academic Advisement*; Student Life: Gina-Lyn Crance, *Associate Dean of Students*

Write Start is designed for first-year students who would benefit from a period of intense concentration on writing while taking a complement of other courses offered by the University. It is intended that such instruction in writing will help these students prepare for and meet the demands of an education at Hofstra. Students learn the basics of sentence construction, paragraphing, and thesis formation, while reading and responding to a wide variety of literary and nonliterary texts.

The Write Start program requires that students take two comprehensive English composition courses, each of which carries four (4) semester hours: ENGL 1W and ENGL 2W. Each of these courses also includes a coordinated workshop (ENGL 1T and ENGL 2T) that focuses on sentence skills, organization, and thesis development. Students admitted to Write Start begin ENGL 1W three weeks prior to the regular starting date for the fall semester and ending three weeks before the formal conclusion of the semester. After successful completion of ENGL 1W students *must* enroll in the subsequent semester in ENGL 2W. The class schedule for ENGL 2W conforms to the standard academic calendar of the semester in which the courses are offered. While enrolled in ENGL 1W students may register for *no more than 13 credits*, including 4 credits for ENGL 1W. Write Start students enrolled in ENGL 2W may, under advisement, take more than 13 credits in that semester, including 4 credits for ENGL 2W.

Write Start students who do not successfully complete ENGL 1W or ENGL 2W *must* retake these courses in the succeeding

semester and may not register for the three semester hour ENGL 1 or ENGL 2 courses.

Students who do not comply with the above regulations will not be permitted to register for any courses in the future.

Students enrolled in Write Start meet with the program's academic adviser in the Office of Academic Advisement throughout each semester. The Office of Freshman Advancement coordinates all aspects of the program related to student life. Standards for probation and dismissal are those governing the University's undergraduate programs.

COURSES

1W-2W. *Write Start Composition* 4 s.h. each
See course description, page 430.

1T-2T. *Write Start Workshop* 0 s.h. each
See course description, page 430.

Writing (WRIT)

Administered by the Department of Literacy Studies. Professor Taylor, *Chairperson*

MASTER OF ARTS: THE TEACHING OF WRITING

During the 2001-2002 academic year a number of new course initiatives are being infused into the current M.A. in the Teaching of Writing program. Students should consult with faculty advisers for program details of the changes being introduced.

This program is designed to prepare elementary, secondary, and two-year college teachers to teach writing in their classrooms regardless of content area certification and to provide expertise for certified teachers who are seeking to become language arts specialists, K-12 coordinators of language arts, curriculum specialists or teacher educators.

ADMISSION REQUIREMENTS

(1) B.A., B.S., M.A. or M.S. degree with an academic average of 2.5 or better; (2) letter of recommendation from a supervisor; (3) for those intending to teach in the public school, provisional certification in one of the following fields: nursery, kindergarten, grades one through six, English, bilingual education, and English as a second language; (4) satisfactory score on the National Teacher Examination, the Graduate Record Examination, or an acceptable alternative; (5) satisfactory completion of program writing proficiency examination; (6) interview with a representative of the program. All applicants accepted will be classified as matriculated Master of Arts students.

REQUIREMENTS FOR DEGREE CANDIDACY

(1) minimum of B in two of the first three required courses; (2) recommendation of two faculty members in the program. Upon completion of the foregoing requirements, the matriculated master's student becomes a Master of Arts degree candidate.

PROGRAM REQUIREMENTS

A minimum of 36 semester hours with a satisfactory grade-point average and completion of a master's essay.

Phase I.

LYST 200. *Writing With Adolescents & Young Adults*, 3 s.h.

LYST 210. *Introduction to Literacy Studies*, 3 s.h.

Phase II.

ELED 277. *Classroom Strategies in Teaching Writing*, 3 s.h., or

SED 273. *Teaching Writing in the Content Areas*, 3 s.h.

†WRIT 201. *Practicum in the Teaching of Writing*, 3 s.h.

†ELED 277 or SED 273 may be taken concurrently with LYST 200, or WRIT 201 should be taken the semester(s) following, but may not be taken prior to ELED 277 or SED 273.

Phase III.

- CT 272. *Technology & the Teaching of Writing*, 3 s.h.
- ENGL 201. *Rhetoric*, 3 s.h.
- WRIT 203. *Writing Assessment*, 3 s.h.

Phase IV.

Electives—9 semester hours under advisement, selected from the following:

- ELED 275. *Literacy in Early Childhood Education*, 3 s.h.
- 278. *Writing & Children's Literature*, 3 s.h.
- ENGL 200. *The Analysis of Prose*, 3 s.h.
- 203. *Approaches to English Grammar*, 3 s.h.
- LING 210. *Second Language Acquisition*, 3 s.h.
- SPCH 209. *Developmental Psycholinguistics*, 3 s.h.
- SPCM 221. *Literature in Performance*, 3 s.h.
- WRIT 204. *Evaluation & Development of Writing Programs*, 3 s.h.

and one Foundations of Education course is especially recommended.

Phase V.

- WRIT 206. *Research Designs in Writing Instruction*, 3 s.h.
- LYST 301A. *Master's Essay*, 3 s.h.

ADVANCED CERTIFICATE IN THE TEACHING OF WRITING

During the 2001-2002 academic year a number of new course initiatives are being infused into the current Advanced Certificate in the Teaching of Writing program. Students should consult with faculty advisers for program details of the changes being introduced.

This certificate program in the teaching of writing and closely allied disciplines is designed to enhance the teaching of writing by teachers in elementary and secondary schools and in two-year colleges regardless of content area certification.

ADMISSION REQUIREMENTS

(1) A bachelor's degree with an average of 2.5 or better; (2) letter of recommendation from a supervisor; (3) satisfactory score on the National Teacher Examination (NTE), Graduate Record Examination (GRE) or an acceptable alternative.

CERTIFICATE REQUIREMENTS

A minimum of 18 semester hours with a satisfactory grade-point average. LYST 200 is prerequisite for all courses in the program.

PROGRAM OF STUDY

A. Required courses: 12 s.h.

- ELED 277. *Classroom Strategies in Teaching Writing*, 3 s.h. or
- SED 273. *Teaching Writing in the Content Areas*, 3 s.h.
- LYST 200. *Writing With Adolescents & Young Adults*, 3 s.h.
- WRIT 201. *Practicum in the Teaching of Writing*, 3 s.h.
- 203. *Writing Assessment*, 3 s.h.

B. Electives: 6 semester hours under advisement, selected from the following:

- CT 272. *Technology & the Teaching of Writing*, 3 s.h.
- ELED 275. *Literacy in Early Childhood Education*, 3 s.h.
- 278. *Writing & Children's Literature*, 3 s.h.
- ENGL 200. *The Analysis of Prose*, 3 s.h.
- 201. *Rhetoric*, 3 s.h.
- LYST 210. *Introduction to Literacy Studies*, 3 s.h.

COURSES

In addition to semester notations next to each course, a selection of courses is offered during the January and Summer sessions. Consult the *January* and *Summer Sessions* bulletins for these schedules.

- 201. *Practicum in the Teaching of Writing* 3 s.h.
Once a year

Application of theory and methodology. Work on specific lesson plans for teaching writing in the content areas. Lessons designed by class members are taught in their own instructional settings with feedback in the practicum. Flexibility in lesson planning is encouraged to meet the needs of students from varying linguistic and cultural backgrounds. Classroom observations are required. Prerequisites: LYST 200; ELED 277 or SED 273, or permission of instructor.

- 203. *Writing Assessment* 3 s.h.
Once a year

Devising, scoring and interpreting assessments of writing with emphasis on those techniques that view language as a holistic entity. Strategies for implementing needs, growing from holistic assessments, are discussed and developed. Prerequisite: LYST 200 or permission of instructor.

- 204. *Evaluation and Development of Writing Programs* 3 s.h.
Once a year

Designed for teachers, supervisors and administrators who are developing or evaluating writing programs. Discussion of the organization, supervision and evaluation of writing program. Prerequisite: LYST 200 or permission of instructor.

- 206. *Research Designs in Writing Instruction* 3 s.h.
Fall, Summer

Students view various possible designs applicable to research in the teaching of writing and develop a proposal for a master's thesis in the teaching of writing. Prerequisites: LYST 200, WRIT 201, 203; ELED 277 or SED 273. Pass/Fail grade only.

- 210. *Writing and Reading Strategies for Graduate Students* 3 s.h.
Spring

Designed to assist students in developing and improving writing and reading skills related to graduate study. Introduction to important aspects of language related to the connection between reading and writing. Guidance in the process of completing types of assignments essential to progress in graduate programs. Open to nonmatriculated graduate students and to graduate students in master's, certificate, professional diploma and doctoral programs.

- 251, 252. *Special Readings Seminar* 1-3 s.h. each
Fall, Spring, Summer

Investigations and reports on advanced educational topics adapted to the program of the student. Prerequisite: permission of instructor.

- 301. *Master's Essay* 3 s.h.
Spring, Summer

For Master of Arts in the Teaching of Writing candidates only. Prerequisites: LYST 200, WRIT 201, 203; ELED 277 or SED 273. Pass/Fail grade only.

Labor Studies (LABR)

Administered by the Department of Economics/Geography.
Professor Moghadam, *Chairperson*

The world of work has, throughout history, been as controversial as it is crucially important in most people's lives. Labor Studies is an interdisciplinary program designed to offer students a broad background in the multiple perspectives on and different analytical approaches to labor issues in an international context. The program coordinates courses from departments throughout the university, and includes opportunities for independent course work and internships with business firms, nonprofit agencies, and labor unions. It prepares students for graduate programs in labor and industrial relations and in related areas of business, education, law, public administration, and the social sciences, as well as for a wide range of careers in business, government, law, teaching, and labor unions.

B.A. SPECIALIZATION IN LABOR STUDIES: 33 semester hours, with no more than 15 semester hours from a single major academic area, distributed as follows:

- 1) Required Courses: BLAW 114, ECO 141, HIST 157, LABR 1, 180, MGT 172
- 2) Elective Courses: total of 15 semester hours, with one chosen from each of the following categories (a-e):
 - a) Historical Context
 - HIST 114. *Europe 1848-1914**
 - 115. *The Afro-American in American History, 1619-1865*
 - 116. *The Afro-American in American History, 1865 to the Present*
 - 140. *Economic History of the United States** (credit given for this course or ECO 140, not both)
 - 149. *Women in America**
 - 169. *Immigrants & American Society*
 - b) Unions, Management, and Dispute Resolution
 - BLAW 118. *Litigation & Alternate Dispute Resolution*
 - MGT 121. *Human Resources Management*
 - 122. *Advanced Topics of Organizational Recruitment & Selection*
 - LABR 170. *Internship in Labor Studies*
 - c) Work Force Diversity
 - ECO 121. *Economics of Discrimination*
 - SOC 134. *Race Relations in the United States*
 - 140. *Social Inequality*
 - d) Psychology and Sociology of Work
 - ANTH 115. *Culture & Class: Transcultural Studies in Poverty*
 - PSY 33. *Industrial Psychology*
 - 34. *Organizational Psychology*
 - SOC 106. *Work, Alienation & Power in Social Life*
 - e) The Global Labor Force
 - ANTH 112. *Anthropology of the Global Economy*
 - ECO 142. *International Economics**
 - 145. *Comparative Economic Systems*
 - GEOG 103. *Urban Geography*
 - 135. *Economic Geography*
 - SOC 32. *Women & Development* (credit given for this course or ANTH 32, not both)

*With approval of the Labor Studies Director, based on appropriate course content.

A MINOR IN LABOR STUDIES consists of the successful completion of 18 semester hours with at least 6 semester hours in residence, distributed as follows: 3 semester hours of LABR 1. *Introduction to Labor Studies*; 9 semester hours of other Labor Studies courses required for the major; and 6 semester hours of Labor Studies electives (no more than 1 elective from each elective category,

a-e), approved by a member of the Labor Studies Advisory Committee.

NOTES:

- 1) Since all courses are not offered every semester, consult the *Class Schedule* and an adviser from the Labor Studies Advisory Committee before registering for your program. Some required and elective courses have prerequisites, described in the *Hofstra University Bulletin*. Students should make themselves aware of any prerequisites in their advance planning for completion of the major or minor. Students should also be aware that prerequisites for many courses may be waived by the course instructor on a case-by-case basis.
- 2) Relevant special topics courses and independent studies given in any department may also be acceptable for the major and the minor, with the approval of the Labor Studies Director.
- 3) It is recommended (but not required) that students majoring in Labor Studies combine the major with a major or minor in a regular, non-interdisciplinary department. This ensures the recognition of a traditional discipline by graduate schools and prospective employers, as well as providing students with additional background in a related field.

LABOR STUDIES ADVISORY COMMITTEE

Accounting: Cheryl Lehman, *Professor*
 Anthropology: Sharryn Kasmir, *Assistant Professor*
 BCIS: Lonnie Stevens, *Associate Professor*
 Business Law: Stuart Bass, *Associate Professor*
 Economics/Geography: Gregory DeFreitas, *Professor*; Niev Duffy, *Assistant Professor*; Robert Guttman, *Professor*; Nick Kozlov, *Associate Professor*; Grant Saff, *Assistant Professor*
 History: Sally Charnov, *Assistant Professor*; Louis Kern, *Professor*; Heather Parker, *Assistant Professor*
 International Business: Rusty Moore, *Associate Professor*
 Management: Richard Buda, *Associate Professor*; Bruce Charnov, *Associate Professor*; Debra Comer, *Professor*
 Psychology: Ira Kaplan, *Professor*
 Sociology: Marc Silver, *Professor*

COURSES

In addition to semester notations next to each course, a selection of courses is offered during January and Summer sessions. Consult the *January* and *Summer Sessions* bulletins for these schedules.

1. *Introduction to Labor Studies* 3 s.h.
 See course description, page 426.

170. *Internship in Labor Studies* 3 or 6 s.h.
 Fall, Spring, Summer

This course aims to deepen students' understanding of fundamental issues in labor studies through practical work experience in a labor union, corporation, or other for-profit or not-for-profit organization. The three-credit option requires students to work at an approved off-campus site six hours per week, and to spend another three hours weekly in related academic activities specified by the faculty adviser. The six-credit option requires twelve hours weekly at the approved off-campus organization and six hours of related academic work. Each internship will be organized and supervised by a full-time faculty member from the Labor Studies Advisory Committee. Prerequisites: permission of Labor Studies Director, a minimum gpa of 3.0 in Labor Studies courses and 3.0 overall, and completion of 18 s.h. of Labor Studies courses prior to beginning the internship.

180. *Senior Seminar in Labor Studies* 3 s.h.
 See course description, page 426.

Provisional Courses

(Provisional courses for the School of Communication follows Hofstra College of Liberal Arts and Sciences)

The College of Liberal Arts and Sciences encourages departments to keep abreast of new advances in knowledge by incorporating this material in existing courses. Sometimes departments prefer to experiment with a different combination of material or in new approaches to a subject. Occasionally faculty try interdisciplinary approaches in which the course material is not associated completely with any existing department. These proposals can obtain "provisional approval." If the experiment succeeds, faculty authorization for regular inclusion with departmental offerings may follow.

Provisionally approved courses must meet all regular requirements for time-in-class, amount of student assignments and level of difficulty. The following are courses which received provisional approval.

Anthropology (ANTH)

113. *Archaeology of Civilizations of the New World* # 3 s.h.
Study of the present state of archaeological knowledge about the development of such pre-Columbian New World civilizations as the Olmec, Maya, Toltec, Aztec and Inca. Recent archaeological evidence and glyph translations are discussed and analyzed in the context of prevalent theoretical perspectives. Distinctive forms of agriculture, cities and state formation in the New World are presented.

Arabic (ARAB)

3. *Intermediate Arabic* 3 s.h.
This course continues the introduction to the basic features of the Arabic language in the context of Arab culture at large. In learning about modern Arab culture and society, students acquire Modern Standard Arabic (fusha) skills in speaking, listening, writing and reading. They will also be exposed to the features of several Arabic dialects. Prerequisite: ARAB 2 or equivalent.

4. *Intermediate Arabic* 3 s.h.
Continuation of the introductory Arabic language courses introducing students to the basic features of Modern Standard Arabic (fusha). In addition to mastering elementary speaking, listening, writing and reading skills in MSA, students will be introduced to the features of several Arabic dialects. This is the last class in the intermediate sequence and students will have covered most of the basics of Arabic grammar and be able to conduct simple conversations. Prerequisite: ARAB 3 or equivalent.

101 through 106. *Advanced Arabic Language* 3 s.h. each
(These courses may be taken in any order and will be geared to individualized instruction.) An integrated sequence of courses, rather than six individual courses, this language sequence gradually develops the student's proficiency in the spoken language, in writing (including grammar) and in reading. An Arabic reader will be used along with text material ranging from simple stories to more sophisticated language. These readings will include culture and civilization topics. The individual student's needs and wishes will determine the exact nature of each course. A detailed personal record will be maintained to assure the development of each student's skills. Prerequisite: ARAB 4 or the equivalent.

Art History (AH)

5. *Form in the Art-Work, I* # 3 s.h.
Analytical study of form in painting, sculpture and architecture emphasizing by comparative method structural significance and expressive values. Emphasis on classicism and its alternatives. Prerequisite: sophomore standing or above. (Formerly AH 5,6.)

168. *Internship* 3 s.h.
Students work two days a week in a leading auction house, museum, or gallery and write a research paper. Pass/D+/D/Fail grade only. No liberal arts credit.

187. *Landscape in Art* 3 s.h.
The course will focus on European and American artists' interpretations of nature in painting. Representative artists and major styles will be emphasized and the paintings will be analyzed within the context of society. A general comparison will be made with Chinese landscape painting of the Sung Dynasty and Japanese painting of the Kamakura period.

188. *Age of Rembrandt* 3 s.h.
The art and life of Rembrandt as an artist beginning in Leyden through his later years in Amsterdam. In addition, other 17th-century Dutch painters who lived in Rembrandt's time are considered.

192. *Workshop in Art History* 3 s.h.
Focused study of a particular area of arts or crafts combining lecture, demonstration and the examination of original works. May be repeated for credit when topics vary.

Biology (BIO)

7. *First-Year Biology Seminar* 1 s.h.
This course is recommended for all first-year biology majors and others who are considering majoring in biology. Seminar topics vary annually. Each section will cover a different topic that reflects the interest of the specific professor leading the seminar. Students will participate in group discussions. They will gain experience in objective analysis and in gathering and presenting information through short writing assignments and an oral presentation. Students will design the syllabus to reflect their collective interest in the specific topic. May not be taken on a Pass/D+/D/Fail basis.

10. *Genetics and Society* 3 s.h.
Fundamental laws of hereditary transmission, gene function and genes in populations. Impact of genetic knowledge on society as a whole and consideration of when application of this knowledge may be beneficial or harmful to society. (3 hours lecture.) Recommended for students in psychology, sociology, anthropology, philosophy, education, political science, etc. Not open to biology majors.

90A. *Introduction to Laboratory Research* 3 s.h.
The scanning electron microscope as a principle tool for biological data acquisition. Instruction in the use of the scanning electron microscope, as well as project design and project implementation in a faculty member's ongoing research program. This course may be substituted for BIO 90 if the student plans to participate in two semesters of undergraduate research, i.e., a student may enroll in BIO 90A one semester and BIO 91 or 92 the following semester. (2 hours lecture, 3 hours laboratory.) Prerequisites: BIO 1 & 2 and permission of instructors. May not be taken on a Pass/D+/D/Fail basis.

116. *Terrestrial Vertebrate Natural History* 2 s.h.
Lectures, laboratory, and field experiences are used to learn the natural history of local amphibians, reptiles, birds, and mammals: the tetrapods. Emphasis on learning species identification, habitat preferences, behavior, and field techniques. Course includes

#Core course

trips to local study sites; some Saturday field trips instead of some weekday meetings. (3 hours laboratory, 1 hour lecture/recitation.) Prerequisites: BIO 1 & 2, or permission of instructor.

141. *Biology of the Cardiovascular System* 1 s.h.
Application of anatomy, physiology, genetics, biochemistry, histology, and cell biology to the study of the cardiovascular system. Emphasis is on the normal functioning of the system as well as an examination of cardiovascular disease, diagnosis, treatment, and pharmacology. The course is recommended for biology or biochemistry students with interests in medicine or health sciences research. One major paper required. Prerequisites: BIO 1 & 2, 135, 136; junior class standing or above. May not be taken on a Pass/D+/D/Fail basis.

183. *Fundamentals of Aquaculture/Mariculture* 4 s.h.
Introduction to scientific culture of marine and fresh water organisms such as fishes, oysters, clams, prawns, algae, etc. Theory behind intensive, semi-intensive, and open and closed systems are discussed as well as control of water quality and specialized diets. Students utilize the aquaculture facilities and water testing laboratory. (3 hours lecture, 3 hours laboratory.) Prerequisite: BIO 1 & 2; prerequisite or corequisite: BIO 147. May not be taken on a Pass/D+/D/Fail basis.

184. *Advanced Aquaculture/Mariculture* 3 s.h.
Advanced concepts in the theory and management of aquaculture/mariculture facilities. Evaluation of productivity; analysis of recent research papers. Survey of the potential of recently developed culture techniques and organisms. A project is required. Prerequisite: BIO 1 & 2, 147, 183. May not be taken on a Pass/D+/D/Fail basis.

185 & 186. *Internship: Aquaculture/Mariculture* 5 s.h. each
Intensive experience involving practical on-site participation working at an aquaculture/mariculture facility. Students may choose from a large selection of participating commercial facilities and make a thorough analysis of all phases involved in aquaculture and mariculture. Prerequisite: BIO 1 & 2, 147, 183, 184; corequisite: BIO 187. May not be taken on a Pass/D+/D/Fail basis.

187. *Analysis of Aquaculture/Mariculture Internship* 2 s.h.
Taken in conjunction with 185 & 186. Student receives assistance in analyzing all phases of the commercial establishments at which he/she is interning. The intern returns to campus once each week for an ongoing dialogue with Hofstra faculty regarding technical details of the operation he/she is studying. Classroom discussion between interns at different places facilitates comparison and evaluation. Prerequisite: BIO 1 & 2, 147, 183, 184. Corequisite: BIO 185 & 186. May not be taken on a Pass/D+/D/Fail basis.

Chemistry (CHEM)

2A. *Introduction to Chemistry* 2 s.h.
Fundamental principles of chemistry including classification of matter, the periodic table, atomic structure, nomenclature, chemical reactions and molecular structures. Problem-solving skills are stressed. Recommended for students who either did not take high school chemistry or earned a grade of C or below in high school chemistry. Prerequisite or corequisite: MATH 11 or placement into MATH 19 or higher. Not for major or minor credit. May not be taken after successful completion of any higher numbered chemistry course.

71. *Organic and Biological Chemistry* 4 s.h.
Basic principles of organic and biochemistry for allied health majors. Organic chemical nomenclature, mechanisms of organic reactions, organic polymers. Biochemistry of enzymes, carbohydrate metabolism, protein synthesis. (4 hours lecture) No credit for this course and CHEM 131A, 132A, or BCHM 162. Prerequisites: CHEM 3A & 4A.

Comparative Literature and Languages (CLL)

54. *The Oedipus Theme* 3 s.h.
A comparative analysis of the evolution of the Oedipus theme from its origins in Greek culture to its modern deployment as both a literary motif and an interpretative figure.

75. *Women Writers in the Romantic Tradition* 3 s.h.
Traces elements of Romanticism and its development in the works of major women writers of the 19th and early 20th century (1810-1932). Includes works by Germaine de Stael, Mary Shelley, George Sand, Edith Wharton and Colette.

173. *Sentiment to Sadism in the Early European Novel* 3 s.h.
Study of the European novel from the end of the 17th to the end of the 18th century. Focus on the development and decadence of feelings, sentiments, and emotions and how they reflect political and social events of the period.

190. *World Literature and the Anatomy of Cultural Difference* 3 s.h.
Introduces students to the notion of world literature by presenting works from different countries and cultures, languages and traditions in a comparative context, with emphasis primarily on cross-cultural comparisons between Western and non-Western literatures. Prerequisite: ENGL 2.

198. *Advanced Seminar* 3 s.h.
Advanced discussion of literary analysis, literary history and literary theory. Topic varies according to semester and professor. Substantial research paper is required. This seminar is open to senior majors and minors, and to qualified advanced junior students by permission. Students need to have completed the majority of their course work for the major before this seminar, which satisfies the Senior Essay requirement of the major. May not be taken on a Pass/D+/D/Fail basis. Note: CLL 196, 197, 198 satisfy the same major requirement.

Computer Science (CSC)

50. *Fundamentals of Object-Oriented Programming* 3 s.h.
Familiarize students with essential concepts of object-oriented programming using the Java language. Course covers basic systems concepts, including hardware architecture and software. The notion of an object and class design are discussed. Applets and applications are explored. Coverage of Java syntax, including fundamental language components, selection structures, repetition structures, and data structures. Hands-on exposure to the Java development environment. Some HTML syntax coverage. Course requirements include homework exercises and completion of several programming projects. Prerequisite: CSC 5 or equivalent. May not be taken on a Pass/D+/D/Fail basis.

52. *Fundamentals of Systems Analysis* 3 s.h.
Provides students with an overview of the issues and methodologies relevant to systems analysis and design. Lectures focus on the five phases of the system development life cycle: planning, analysis, design, implementation, and operation and support. Laboratories focus on learning software tools available for systems analysis and design. Students work in teams on all phases as they explore a variety of realistic case studies. Other topics include rapid prototyping, CASE tools, client/server systems, software engineering and project management tools. Requirements include completion of in class and homework laboratory projects as well as presentation of a complete analysis report to the class. Prerequisite: CSC 5 or equivalent. May not be taken on a Pass/D+/D/Fail basis.

54. *Fundamentals of Data Communications* 3 s.h.
Introduction to data communications. History, evolution and current trends. Hardware issues including signals, media, terminals, communications backbones, and transmission methods.

#Core course

Protocols, including OSI, TCP/IP, LANs. Course includes an introduction to networking, including WANs, the Internet, and distributed systems. Course requirements include homework exercises, a programming project, and a research paper on a topic of interest and presentation of findings. Prerequisite: CSC 50. May not be taken on a Pass/D+/D/Fail basis.

56. *Fundamentals of Database Management Systems* 3 s.h.
Introduction to database management systems (DBMS). Familiarize students with the fundamental issues and terminology of DBMS. Relational models, SQL, normalization. Design methodologies are covered in lectures and through a series of laboratory experiments. Typical functions of a DBM and DEMs administration are covered. Advanced topics include distributed systems, client/server systems, and object-oriented systems. Course requirements include several laboratory exercises. Prerequisites: CSC 5 (or equivalent), CSC 50. May not be taken on a Pass/D+/D/Fail basis.

58. *Fundamentals of JavaScript Programming* 3 s.h.
JavaScript is a powerful programming tool that facilitates the use of multimedia—graphics, animation, and sound—in Web page design. This course familiarizes students with the essential concepts of Web programming using the JavaScript language. Cover basic systems concepts, including network protocols and software. Coverage of JavaScript syntax, including fundamental language components, object-oriented programming concepts, event handlers, frames, images, HTML, control structures, and relevant data structures. Hands-on exposure to the JavaScript developer environment. Course requirements include completion of homework exercises and several laboratory programming projects. Prerequisites: CSC 50, 54. May not be taken on a Pass/D+/D/Fail basis.

60. *Fundamentals of Networking* 3 s.h.
Introduction to networking. Peer-to-peer, LANs, and WANs. History and evolution of networking. Current applications. Communication protocols, Open Systems Interconnection, secure communications. Hardware and software issues. Structure of the Internet: protocols, services, the World Wide Web, and HTML. Course requirements include homework exercises and a research paper on a topic of interest and presentation of findings. Prerequisite: CSC 54. May not be taken on a Pass/D+/D/Fail basis.

62. *Ecommerce* 3 s.h.
Provide students with an overview of the issues and technologies relevant to electronic commerce. Students design and implement a prototype ecommerce web site. Topics include communications, networking and the Internet; programming, scripting languages and authoring tools; security; databases and archiving; multimedia; transaction processing; search engines; and data mining. Students work in teams on the design and implementation of their web sites and present a report and demonstration to the class. Prerequisites: CSC 50, 52, 54, 56, 58, and 60. May not be taken on a Pass/D+/D/Fail basis.

155. *UNIX and C++* 3 s.h.
Introduction to the UNIX System V. UNIX file systems, processes commands, shells; syntax and semantics of the C++ language; portability; C++ library; C-UNIX interface; programmers' workbench; documenters' workbench. Prerequisite: CSC 120.

163. *Computing, Ethics, and Society* 1 s.h.
Critical examination of ethical problems associated with computer technology. Discussion of these problems is conducted within the framework of classical philosophical ethical theories. Legal and quasi-legal (i.e., policy and regulative) issues are also considered. Topics addressed include the process of ethical decision-making, privacy and confidentiality, computer crime, professional codes and responsibilities, software piracy, the im-

pact of computers on society. Prerequisite: sophomore class standing. No liberal arts credit.

Drama (DRAM)

110. *Special Topics in Drama* 1-3 s.h.
Seminars on selected aspects of theater: study of movements, ideas, individual artists and playwrights or exploration of significant performance or production techniques such as mime, *Commedia dell'arte*, constructivism, touring theater. May be repeated for credit when topics vary.

Economics (ECO)

117. *Women and Development in the Middle East* 3 s.h.
Examination of the impact of economic development on gender in contemporary Middle Eastern countries. Factors such as social division of labor in the family, fertility, education, employment, occupational segregation, and discrimination are studied within the broader socioeconomic and cultural context of the Middle East. Prerequisite: at least two semesters of social sciences and/or women' studies, or instructor's approval.

133. *Health Economics* 3 s.h.
Health Economics provides a broad overview of the economics of health care delivery and finance systems, and explores the growing role of economic theory in health-related research and in national health care debate. Basic tools used to analyze the allocation of scarce health care resources are introduced. Health Economics explores the explicit and implicit rationing of health care through market and non-market mechanisms in a rapidly changing health care environment. Alternative health care systems are compared and contrasted with the existing system. Prerequisite: one introductory course in economics.

Engineering (ENGG)

47. *Environmental Engineering* 3 s.h.
Definition of environmental problems, their sources, impacts on society and health management. Introduction to the applicable scientific basis of pollution control including chemistry, microbiology, climatology and epidemiology. Survey of water quality parameters, water resources, water pollution, air pollution, solid and hazardous wastes engineering. Prerequisites: CHEM 3A & 4A, 3B, MATH 19. No liberal arts credit. (Formerly ENGG 144.)

60. *Water Quality for Environmental Engineers* 3 s.h.
Study of the chemical, physical and biological water quality parameters necessary for the design of water and wastewater treatment processes and operations. Basic physical and chemical parameters of pH, turbidity, alkalinity, suspended solids, hardness, chlorine residual, dissolved oxygen and metal analyses are examined in laboratory exercises. Prerequisites: CHEM 3A, 3B, 4A.

62. *Environmental Unit Operations Laboratory* 1 s.h.
Measurement of engineering properties of soils and bench scale laboratory exercises for the control and operation of selected environmental treatments for water and wastewater. Prerequisite: ENGG 144; corequisite: ENGG 147.

63. *Biochemical Process Dynamics* 3 s.h.
Chemical kinetics for application to natural and engineered systems investigated through the relationship of rate, energy and mass. Examination of several aspects of chemical kinetics: equilibrium, rate expressions for chemical reactions, effect of physical parameters on reaction rates and specific reaction examples relevant to environmental and bioengineering. Fundamentals of reactor theory and principles of mass balance to derive dynamic process models. Special consideration is given to kinetics of

enzyme catalyzed reactions and microbial processes for application to process design. Prerequisite: CHEM 4A, ENGG 47 or 181 or permission of instructor, MATH 131.

117. *Environmental Unit Processes and Operations* 3 s.h.
Theory and design of the physical, chemical, and biological unit operations of filtration, sedimentation, coagulation, flocculation, absorption, ion exchange, disinfection, gas transfer, biological degradation, and sludge handling as applied to water and wastewater treatment. Prerequisites: ENGG 60, 144; corequisite: ENGG 115.

136. *Hydraulic Engineering and Water Resources* 3 s.h.
Introduction to hydrology. Population and water demand projections, design of water transport systems. Applications of principles of fluid mechanics to typical civil engineering systems; pipe networks, pumping stations, open channel flow and measuring devices. Prerequisite: ENGG 115. No liberal arts credit.

143G. *Engineering Design B* 3 s.h.
Integration of physical principles with mathematical analysis and/or experimental techniques as basis for an individually required design project in engineering science. Prerequisite: senior standing.

180. *Digital Signal Processing* 3 s.h.
Analysis, filtering, and modeling of discrete-time signals. Sampling and quantization. Z transforms, discrete Fourier transforms, digital filters. Sampling-rate conversion by interpolation and decimation. Linear prediction, system modeling, lattice filters. Prerequisite: ENGG 177. No liberal arts credit.

187. *Medical Imaging* 3 s.h.
Introduction to the fundamental principles of Image Analysis in Biological Sciences and Medical Imaging. Emphasis on analysis techniques useful in scientific research. Topics include impulse response, transfer function, signal-to-noise ratio (SNR), image display, 2-D convolution, 2-D Fourier Transforms, and linear and nonlinear filters. Theory formulations on some medical imaging modalities especially ultrasonic medical imaging are derived from basic principles. Knowledge of a programming language (Fortran, C, or Pascal) and the ability to use existing computer programs (MATLAB) are recommended. Prerequisites: ENGG 177 or 166B, MATH 144, PHYS 12A or permission of instructor. May not be taken on a Pass/D+/D/Fail basis.

189. *Random Signal Analysis* 3 s.h.
Laws and methods of probability are introduced. Concepts such as random variables, probability distributions for discrete-time and continuous-time signals, and averages are developed. Random processes and random signals are defined and examined through temporal correlation functions and Fourier spectral characteristics. The techniques of linear system analysis, filtering and optimization with random signal and noise inputs are developed using power spectral density functions. Practical applications, using computer methods such as FFT, are explored. Prerequisite or corequisite: ENGG 177 or MATH 144.

198. *Honors Thesis* 3 s.h.
Advanced research in the student's area of specialization, culminating in written report and oral defense. Open only to senior engineering majors who are eligible for departmental honors and who secure, prior to registration, the written approval of an honors adviser and of the departmental chairperson. Can substitute for any other engineering course with adviser's approval, except senior design courses.

English (ENGL)

1A. *English Composition Tutorial* 1 s.h.
Taken in conjunction with ENGL 1 to assist students in reaching a higher competency in writing English with clarity and precision. May not be used to satisfy the general University humanities requirement. Pass/D+/D/Fail grade only.

5. *Technical Communications* 3 s.h.
Examines the use of language in settings that require technical reports and presentations. Study and practice of the basic principles of technical communications with attention to style, audience, research, visual aids, major report forms and oral presentations. May not be used to satisfy the general University humanities requirement. Credit given for this course or ENGL 30, not both.

139. *The African Novel* #* 3 s.h.
Introduces selected African novelists of the 20th century such as Chinua Achebe, Sembene Ousmane, Ayi Kwei Armah, Ngugi wa Thiong'o, Bessie Head, Buchi Emecheta and Solomon Mutswairo. Analysis of African literary themes, such as traditional and modern conflicts, resistance to colonialism, effects of independence, neocolonial dilemmas and images of the African woman.

150. *Native American Literature* #* 3 s.h.
Examination of the development of native American literature. Emphasis on narrative genres, such as autobiography and fiction, with some attention to poetry. The reading consists primarily of indigenous materials (to be read in English). Credit for this course or ENGL 192U, not both.

167. *Post-Colonial Literature of South Asia* #* 3 s.h.
An exploration of the literature of South Asia (Bangladesh, Bhutan, India, Myanmar, Nepal, Pakistan, Sri Lanka) in the 20th century, focusing on the ways in which this literature deals with the concerns of national, religious, or gender-based loyalties and identities. Prerequisites: ENGL 1-2.

168. *Caribbean Literature in English* #* 3 s.h.
An exploration of the literature of the English-speaking Caribbean (Antigua, Barbados, Belize, Guyana, Jamaica, St. Kitts, St. Lucia, and Trinidad). Emphasis is placed on the ways in which this literature deals with the experience of slavery, colonization, and independence and the ways in which it treats such issues and themes as regional identity, color, race, class, gender, and family relations. Attention is also given to the ways in which the literature and culture of the Caribbean makes use of such cultural elements as Carnival and vernacular Africanized English known as patois and creole. Prerequisites: ENGL 1-2.

178D. *Desktop Publishing for Book Publishing** 3 s.h.
Offers instruction in design, layout, and computerized production skills for books and book promotion. Explores the design and content of trade, professional, and educational books in terms of form and function. Introduces the Macintosh Operating System as used in a graphic environment. Design and production of sample materials are required as part of the course and of the final examination. No liberal arts credit. Credit given for this course or ENGL 197V, not both.

English Language Program (ELP)

16A. *Introductory Reading and Writing* 6 s.h.
Development of reading and writing skills following a grammatical syllabus. Reading and writing tasks are designed to provide opportunity for practice and application of relevant grammatical items and structures presented at this level. No degree credit.

17A. *Introductory Conversation, Language Laboratory and Tutorial* 6 s.h.
Development of verbal communication and listening comprehension skills following a grammatical syllabus. Verbal and listening tasks are designed to provide opportunity for practice and application of relevant grammatical items and structures pre-

*Open only to students who have fulfilled the English Proficiency Exam requirement.

#Core course

sent at this level. Tutorial work on specific weaknesses of individual students. No degree credit.

Fine Arts (FA)

158. *Graphic Design III* 3 s.h.
Comprehensive design projects exploring specific areas of graphic design including design research, proposal writing and presentation. Internships inside and outside the University are encouraged in this and all further graphic design courses. Prerequisites: FA 51, 51A or permission of the instructor.

170F. *Color Printing from Color Negatives* 3 s.h.
Course in basic color printing from color negatives. Students learn how to process color negatives and make color prints. Emphasis is placed on the understanding of color filtration and the ability to produce good color prints. Examples of historical and contemporary color photography are discussed in relationship to student assignments. In addition to class lectures and laboratories, one museum or gallery visit and a written critique is required. Prerequisites: FA 170, 170A. Lab fee \$100.

French (FREN)

102A. *Practical Translation* 1 s.h.
Intermediate translation skills, with exercises moving from French to English and from English to French. Structure of French and English is compared through translation exercises. Prerequisite: FREN 4; may be taken concurrently with other mini-courses and FREN 105; 101 is strongly recommended; may not be taken concurrently with or after FREN 160.

104A. *Readings in Business II* 3 s.h.
Study of France's current economic, political, legal and social practices with emphasis on its business sector. Prerequisite: FREN 105 or 111 or 112. No credit toward major in French.

121. *The Francophone Experience in Sub-Saharan Africa* 3 s.h.
An introduction to African cultures from the colonial era to post-colonialism through an analysis of literature and film. Prerequisite: FREN 111 or 113.

122. *The Francophone Experience in North Africa* 3 s.h.
An introduction to Algerian, Moroccan and Tunisian cultures from the colonial era to post-colonialism through an analysis of literature and film. Prerequisites: FREN 111 or 113.

123. *The Francophone Experience in the Caribbean* 3 s.h.
An introduction to Caribbean cultures from the colonial era to post-colonialism through an analysis of literature and film. Prerequisites: FREN 111 or 113.

124. *Culture at Littérature Québécoises* (Culture and Literature of Quebec) 3 s.h.
Students of French become familiar with the basic components of Québécois culture and literature through a study of its history, geography, and examples of its literary tradition. Discovery of the political, cultural, and social aspects of the language issue so much a part of Québécois life. Prerequisite: FREN 4.

130A. *Aspects of French Culture* 1 s.h.
Detailed investigation of some aspect of contemporary French life, e.g. film, music, television, comics, newspaper, architecture, etc. Topics vary. Emphasis on spoken and written expression. Prerequisite: FREN 4.

145. *French Transformational Grammar* 1 s.h.
A five-week intensive course in transformational grammar for the advanced French student. Prerequisite: FREN 111 or 101 or 112 or permission of instructor.

198. *Littérature Québécoise* (Literature of Quebec) 3 s.h.
A discovery of the cultural and literary traditions of Quebec through a close analysis of several texts by Québécois authors (prose fiction, poetry, theater, and cinema), leads to an understanding of 1) Quebec's ties to France, 2) its distancing from France, 3) the association with English-speaking Canada/North America, and finally 4) the identity crises of a people of French heritage with a deep-rooted sense of being North American. Prerequisite: FREN 114A.

French Literature in Translation (FRLT)

52. *Sovereignty and Quebec: A Literary and Cultural Perspective #* 3 s.h.
Examination of the French presence in North America, with specific focus on the culture and literature of Quebec. The cultural and social struggle to maintain both a French and a North American identity as seen through the analysis of Québécois texts leads to a better understanding of the current political and cultural plight that faces Quebec citizens as they ponder the pros and cons of sovereignty and unity within Canada. American students come to a more discriminating sense of their own identity as North Americans. All works are read and discussed in English. Sophomore standing or above.

Geography (GEOG)

60. *Introduction to Geographic Information Systems* 3 s.h.
This course introduces students to Geographic Information Systems (GIS) foundations, concepts, and application techniques. GIS are used to encode, store, analyze, and report spatial data and provide a repository, which can be constructed, maintained, edited and analyzed. By linking different information technologies such as mapping and database management systems, spatial information can be used to facilitate management and decisions in a wide array of fields. These include marketing, industrial and commercial location, resource inventory and management, environmental impact assessment, urban planning, transportation, tracking crime data. Same as TPP 60.

104. *Special Topics in Geography* 3 s.h.
This course provides a study of a particular subject or problem in geography, with the specific topic for the course varying from semester to semester. Possible course topics include an introduction to geographical information systems (GIS), transportation geography, urbanization in the developing world, the economic geography of China, and environmental geography. Students should consult with the particular instructor each time the course is offered to determine if prior preparation for the topic to be covered is recommended. Such consultation may take place prior to registration or on the first day of class. May be repeated for credit when topics vary.

106. *Urbanization in the Developing World #* 3 s.h.
Coping with rapid urbanization and the uncontrolled growth of cities, poses one of the greatest geographical challenges facing the nations of the developing world. This course introduces students to the study of urbanization in the developing world and explores the urban problems such as insufficient infrastructure, unemployment, lack of housing and inadequate social services that occur in these cities. The course has a regional focus and looks at the development of cities in Latin America, Asia, Sub-Saharan Africa, and North Africa and the Middle East, highlighting each regions distinctive urban patterns and problems. The last section of the course looks at possible solutions and policies that could be adopted to help alleviate the problems of rapid urbanization and poverty in the cities of the developing world.

140. *Geography of Latin America #* 3 s.h.
Study of the physical and human geographic roots of Latin American societies, from Mexico to the southern cone of South America. Explores the forces that shaped this unique region and considers its role in the contemporary world. Impact of historical geography since pre-Columbian period on modern Latin America. Economic and political geography in relation to other world regions. Changing human landscapes and social transformations currently affecting many of the area's inhabitants.

141. *Geography of the Caribbean* 3 s.h.
An exploration of the physical and human forces that have shaped the landscape of the Caribbean Basin. Attention focuses on a variety of social, population, development, and geopolitical issues of importance to the region and on the role played by the Caribbean in today's world.

160. *Intermediate Geographic Information Systems* 3 s.h.
Geographic Information Systems (GIS) are used to encode, store, analyze, and report spatial data. This multimedia course expands the GIS foundations, concepts, and application techniques already acquired to the introductory course (GEOG 60: *Introduction to Geographic Information Systems*). It mainly focuses upon the professional applications of the GIS technology as well as the understanding of more advanced spatial analysis functions such as geocoding, classification, statistical surfaces, overlay and network analysis. The student is expected to become proficient in applying GIS for the analysis of problems in a wide array of fields. Prerequisite: GEOG 60 or approval of instructor.

Geology (GEOL)

5. *Environmental Geology and Natural Hazards #* 3 s.h.
Considers the geological processes that affect the formation and natural evolution of modern landscapes. Once modified and developed for human habitation, these natural processes became geological hazards—floods, soil and climate changes, hurricanes, landslides, earthquakes, coastal erosion, and volcanic eruptions. Discusses the need for risk assessment and alternate land use management strategies. (2 hours lecture, 2 hours laboratory.) (Formerly GEOL 5C.)

6. *Introduction to Dinosaurs and the Mesozoic World #* 3 s.h.
Drawing on the latest geological and paleontological research, this course introduces the student to the scientific methods and thinking used to reconstruct the history of the Earth. Although the focus of the course is on dinosaurs and the characteristics of the Mesozoic world in which they lived, students learn how fundamental scientific theories such as evolution and plate tectonics provide the framework for interpreting the geologic past. Lecture topics also include the history of dinosaur paleontology, the climate and flora of the Mesozoic, the evolution of birds, plate tectonics, and the riddle of the extinction of the dinosaurs. Field trips strongly recommended. (2 hours lecture, 2 hours laboratory.)

133F. *Field Trips in Petrology* 1 s.h.
This two-day course, taken in conjunction with GEOL 133, is a field-based study of igneous and metamorphic rocks of the Appalachian orogenic belt. The first trip is to examine igneous rocks, the second trip is to examine metamorphic rocks. A map-based report, together with notes and descriptions of field observations and measurements, is required. (Two full days in the field.) Prerequisite: GEOL 1C or 2C. Corequisite: GEOL 133.

German (GERM)

160. *Translation* 3 s.h.
Analysis and study of techniques and problems inherent to the translation process. Intensive exercises from German into English and English into German. Literary, journalistic and editorial

texts are used. Prerequisite: 6 semester hours of 100-level German courses.

History (HIST)

70. *The Modern Middle East* 3 s.h.
An overview of Modern Middle Eastern social, political and religious history from 1500 to the present. Topics include the rise of the Ottoman Empire, the expansion of European imperialism, the discovery of oil, the Arab-Israeli conflicts, and the Iranian Revolution.

170. *The Middle East and the West* 3 s.h.
An examination into the diverse aspects and the complexity of cultural and religious interactions between the Islamic Middle East and the Western World in pre-modern and modern times. Topics include the evolving Western images of the East and Islam, mutual scientific and religious influence and the current attitudes towards Western culture, particularly the United States, in the Middle East.

199. *Internship in History* 3 or 6 s.h.
This course is designed for history majors and minors. It gives students an opportunity to apply academic knowledge and skills gained in the classroom in practical work situations. For three credits, students must be present at an approved off-campus site for six hours a week and devote an additional three hours a week towards related academic work, which includes weekly meetings with an adviser, completion of a journal and a research paper. Students wishing to take the course for six credits are expected to double the on-site and academic obligations for the three credit course. Prerequisite: permission of the chairperson.

Italian (ITAL)

2R. *Review of Elementary Italian* 3 s.h.
Intended for students who have had two years of Italian in high school, but who need review of the basics of ITAL 1 and 2 before enrolling in ITAL 3. No credit for either ITAL 1 or ITAL 2, if credit received for 2R.

108. *Individualized Oral Communication* ½ s.h.
Stresses authentic intonation patterns, oral proficiency, and listening comprehension. Students meet on an individual basis once a week for twenty-five minutes with an instructor who is a native speaker of standard Italian. These sessions are augmented by language laboratory and off-campus experiences. Prerequisite: ITAL 4 or equivalent. For Italian majors or minors, or students concurrently enrolled in any Italian course beyond ITAL 4. Note: may not be used to satisfy the foreign language requirement; course may be taken for a total of six semesters with a maximum of 3 s.h. applied toward the B.A. degree.

111. *Advanced Italian Grammar* 3 s.h.
Thorough review and refinement of the student's knowledge of Italian grammar and structure. Systematic exercises, compositions and illustrative analysis of reading passages. Prerequisite: ITAL 4 or permission.

Italian Studies (IT ST)

131. *Italian Civilization: the Middle Ages to the Renaissance* 3-4 s.h.
Main currents in the cultural development of the period with emphasis on literature, philosophy and the arts. No knowledge of Italian is required. An extra hour is given for those planning to major in Italian.

132. *Italian Civilization: the Age of Baroque to the Present* 3-4 s.h.
Main currents in the cultural development of the period with emphasis on literature, philosophy and the arts. Some attention is given to the opera and the cinema.

#Core course

141. *Italian Cinema From Neorealism to the Present* 3 s.h.
Detailed analysis of major films with attention to the cultural and political functions of cinema in post-war Italy. Screenings of films by Rossellini, De Sica, Visconti, Fellini, Antonioni, Pasolini, Bertolucci and others.

Japanese (JPAN)

5. *Intermediate Japanese* 3 s.h.
Continuation of JPAN 4. Continuation of intermediate Japanese language, for increased communicative competence at a high intermediate level of proficiency, in the four language areas (speaking, listening, reading, and writing). Students cover approximately 50 kanji, and read a variety of materials. Prerequisite: JPAN 4 or equivalent. May not be taken on a Pass/D+/D/Fail basis.

101-102. *Advanced Japanese* 1-3 s.h. each
Continuation at the high intermediate level the study of the Japanese language. Students continue oral communication work, as well as develop more advanced reading skills. In this level, students learn approximately 70 kanji. Prerequisite: JPAN 5 or equivalent. These courses in this cycle may be taken in any order, one each semester. May not be taken on a Pass/D+/D/Fail basis.

Jewish Studies (JW ST)

11. *Judaic Perspectives on the Hebrew Bible #* 3 s.h.
An examination of Jewish Biblical interpretation from antiquity to the present with special focus on continuities and contrasts in exegetical method. Starting with an examination of "inner biblical exegesis" the course proceeds to scrutinize major forms of Jewish biblical interpretation from the period of the great Rabbinic sages in late antiquity, to Eastern centers of Medieval Jewish scholarship (e.g., Babylon, Islamic Spain), to the emergence of Western European forms of interpretation in the Renaissance to the period of Jewish Enlightenment, to the present.

108. *Modern Jewish Intellectuals #* 3 s.h.
An examination of major Jewish intellectuals from the period of the Jewish Enlightenment (ca. late 18th century) to the present. An initial inquiry as to the definition of the term "intellectual" leads us to the larger question of the Jewish intellectual and his or her relation to the Jewish and non-Jewish world. Among the figures to be read are Karl Marx, Theodor Herzl, Emile Durkheim, Franz Kafka, Georg Simmel, Sigmund Freud, Anzia Yezierska, Rosa Luxemburg, Simone Weil, George Steiner, Hannah Arendt, Philip Roth, Amos Oz, Cynthia Ozick, and Saul Bellow.

Labor Studies (LABR)

1. *Introduction to Labor Studies* 3 s.h.
This course examines life as it was lived inside factories, corporations, and other work places, within communities, during leisure time, and in families and homes from the middle of the eighteenth century to the present. Special attention is paid to the processes by which working classes are created cross-culturally; the way in which gender categories are structured; the role of race and ethnicity; and the recent global restructuring of industry and work; and unionization. We are also interested in literary, theoretical and political views of work and labor.

180. *Senior Seminar in Labor Studies* 3 s.h.
The Latino population of the United States grew to over 30 million by the late 1990s, making it likely to soon become the country's largest minority group. The main source of this rapid growth is the half million immigrants arriving here each year from Spanish-speaking nations. This course explores the labor market implications of this historic trend, both for the newcom-

ers themselves and for indigenous workers. We make use of a variety of interdisciplinary readings, guest lectures, and seminar discussions. Part of the course is devoted to developing the qualitative and quantitative skills needed to complete a major research paper.

Latin American and Caribbean Studies (LACS)

199. *Senior Seminar in Latin American and Caribbean Studies* 3 s.h.
The Senior Seminar is an interdisciplinary capstone course that focuses on a changing series of issues fundamental to Latin American and Caribbean societies. Students are required to produce a substantial research paper by the end of the course, reflecting consultation with two Latin American and Caribbean Studies faculty members as well as the reading of primary and secondary source materials. Prerequisite: open to seniors only.

Linguistics (LING)

71. *Language and Society in Africa, Asia and Latin America #* 3 s.h.
Examination of the relation between language and society with emphasis on Africa, Asia and Latin America. Language as a cognitive system, repository of culture and constructor of reality. Conflict between nationalist languages and former colonial world languages. Language as an indicator of societal identity, group and status. Diglossia. Language planning in government, industry and education. Language attitudes, change and maintenance. Case studies of language situations in countries around the world.

103. *The Classical Roots of English Words* 3 s.h.
A systematic study of the foreign, primarily Greek and Latin, elements of the vocabulary of contemporary English, especially the vocabulary of the humanities and the sciences. The influence of other languages, both European and non-Western, are also considered. The study of word roots and families are set against the background of Greco-Roman civilization as it lives on in the classical heritage of the English language. This course may be used to fulfill the special foreign language option for the B.A., and is recommended for students in the Hofstra English Language Program. Credit given for this course or New College HGG 7, not both.

111. *Scientific Terminology and Etymology* 3 s.h.
Basic course for students planning to major in the biological, medical and psychological sciences. The derivation of scientific terms studied enables students to analyze and more easily acquire a vocabulary of technical terms. May not be used to satisfy the language requirement.

Literature in Translation (LIT)

89. *Beauty and Sadness in Japanese Literature and Culture #* 3 s.h.
Examination of the main genres and developments of Japanese literature from its origins in the 7th and 8th centuries, to the *Tale of Genji* (circa 1010), through the post-World War II period to the present, and describes the sensibility and modes of perception that inform these works. This inquiry into Japanese culture extends beyond literature to include the graphic arts, painting, and film in their relation to literary expression.

90. *Modern Arabic Literature #* 3 s.h.
Introduces students to modern Arabic literature as it relates to the different human factors which make up modern Arabic culture. Course not only recognizes main themes and works, but also examines the recurring patterns and the peculiar characteristics of the various nations and/or groups, divided by religion,

epoch, circumstances, movement, gender or ideology. Focuses on the correlation between thematic and structural considerations in literature and the various phases in the process of acquiring a modern cultural self-identity.

Mathematics (MATH)

13C. *Elementary Mathematical Models Through Computers* # 3 s.h.
Through the use of calculators and computers, students are introduced to a variety of mathematical functions and their application as models for describing events and predicting outcomes in business, the sciences and the liberal arts. Models include sequences and the linear, polynomial, rational and exponential functions. Mathematical basics are reviewed and no prior experience with computing is assumed. Prerequisite: 2 years of high school mathematics.

19B. *Bridge to Calculus II* 1 s.h.
For students who have taken MATH 10E and wish to take MATH 20. Course covers topics dealt with in MATH 19 but not in MATH 10E; some theoretical background, derivatives of trigonometric functions and further applications. Prerequisite: MATH 10E with a grade of C- or better.

19D. *Departmental Honors* 3 s.h.
Individual research project in an area of mathematics under supervision of a departmental faculty member. Open only to majors in the Department of Mathematics who are eligible according to the criteria listed on page 69, and who desire to graduate with departmental honors. Permission of the department chairperson, prior to registration, is required.

198, 199, A-Z. *Special Studies in Mathematics* 3 s.h. each
Each course covers a preannounced topic in mathematics. The topics chosen for 198 have little or no advanced mathematics course prerequisites; the topics for 199 often have one or more advanced mathematics course prerequisites. May be repeated for credit when topics vary.

Modern Greek (MGRK)

1 & 2. *Modern Greek* 3 s.h. each
1) Fundamentals of grammar and modern vocabulary. Oral and written drills; 2) Continuation of 1; selected readings. Prerequisite: MGRK 1 or equivalent.

Music (MUS)

25. *University Chorale* ½ s.h.
The Hofstra *Chorale* is a select choral ensemble of 45-55 skilled singers, chosen by audition. The *Chorale* performs repertoire from all styles and eras of choral literature, with a particular emphasis on contemporary, *avant garde*, and world music. The *Chorale* rehearses two hours per week, and offers performances on and off-campus. Audition required. Prerequisite: permission of instructor. Credit on Pass/D+/D/Fail basis only. See Notes 4, 5.

35B. *Intermediate Piano Class* 1 s.h.
This course provides students with opportunities to advance their piano performance skills, enabling them to make use of keyboards while teaching children. This course also aids students' abilities to utilize sequencing programs needed in music technology. Prerequisite: MUS 35A. Not for liberal arts credit.

35C. *Advanced Piano Class* 1 s.h.
This course is intended to reinforce and extend course work offered in MUS 35B. Students will be provided with work offered in MUS 35B. Students will be provided with opportunities to improve their piano performance abilities and complete the *Piano Proficiency Requirement*. Prerequisite: MUS 35B. No liberal arts credit.

69A. *Music and Species Counterpoint* 3 s.h.
May be substituted for MUS 69 as the first required course for music majors in the music theory sequence, and should be taken

concurrently with MUS 61 or 61A. It is intended for students who, on the basis of a placement examination, have demonstrated a need for intensive training in music fundamentals beyond that normally covered in MUS 69. It is organized in two parts: 1) an intensive and comprehensive survey of the fundamentals of music theory; 2) training in the writing and analysis of two-part species counterpoint in the manner of Fux. Emphasis is given to the development of a general understanding of fundamental principles of music theory and to the principles of voice leading and melodic structure that is most useful in the study of tonal harmony. Enrollment limited to music majors or prospective music majors. May not be taken on a Pass/D+/D/Fail basis.

160B. *Advanced Jazz and Contemporary Scoring* 3 s.h.
Arranging and scoring for big bands, studio and recording orchestras and vocal groups. Prerequisite: MUS 160A or permission of instructor.

172A. *Choral and General Music Methods in the Secondary School* 2 s.h.

This course is designed to provide music students the opportunity to investigate current philosophies of teaching choral and general music at the secondary level. Lessons focus on developing choral performance skills and assessment techniques. Students also have opportunities to explore and develop creative music strategies appropriate for the secondary general music setting. These strategies support and reflect local, state and national music education standards. May not be taken on a Pass/D+/D/Fail basis. No liberal arts credit.

175. *Vocal Pedagogy* 2 s.h.
Study of the problems encountered in the teaching of vocal technique such as breathing, resonance, tone color, dynamic control and diction. Sessions of supervised teaching are included. May not be taken on a Pass/D+/D/Fail basis. No liberal arts credit.

Natural Science (NSC)

13, 14. *Our Physical Universe* 3 s.h. each
Exploration of the basic concepts of our physical universe in the areas of physics, chemistry, nuclear energy, geology and astronomy. The historical development of science and the role scientists play. Laboratory constitutes about fifty percent of the course work. No previous experience in physics, chemistry or higher mathematics required. Credit given for these courses or NSC 11, 12 or New College NPG 1/QTG 005.

13: physics and nuclear energy. 14: chemistry, astronomy and geology.

21. *Science and Technology* # 3 s.h.
Develops an understanding of the technical world around us in terms of the fundamental laws of science. Examines a variety of mechanical and electrical devices or systems, to demonstrate that complex devices follow a pattern determined by these fundamental laws. Topics include electrical, electronic and digital circuits, energy balances, strength of materials and fluid flow of liquids. (Two hours lecture, two hours laboratory.)

Philosophy (PHI)

60. *Introduction to Chinese Philosophical and Religious Traditions* 3 s.h.
Course introduces students to the major concepts and metaphors in Chinese Confucianism and Taoism. Students engage in close readings of texts from the classical and medieval periods. The goal is to arrive at a sympathetic understanding of the major themes in Chinese thought. Periodically, the students compare questions raised in China to questions raised within the western

philosophic and religious traditions. Prerequisite: consent of instructor.

103. *Life, Death and Immortality* # 3 s.h.
Examination of the concepts of life, death and immortality as represented in religious and literary texts from a range of cross-cultural sources: western and nonwestern monotheistic traditions, eastern traditions (e.g., Tibetan and Indian), middle eastern (e.g., Turkish), African, and Native American. Further examination of the encounter between a native tradition and a western colonial, typically Judeo-Christian presence. Discussion as well, of the implications of these concepts for such issues as abortion, euthanasia, suicide. Original texts in translation. Same as RELI 80. Credit given for this course or RELI 80, not both. (Formerly PHIL 70.)

166. *Contemporary Social and Political Philosophy* 3 s.h.
Concepts of the autonomous self and agency (developed during the modern period, Descartes—Kant), have been central to modern, liberal social and political philosophy. This course examines the critiques of those concepts and explores changing conceptions of community, civil society, and selfhood offered by feminist and postmodern philosophers. These issues have immediate interdisciplinary relevance for legal, political and psychological inquiries. Some attention is given to contemporary social problems, such as race and gender. Readings from contemporary philosophy (e.g., Foucault and critical theory) and some interdisciplinary sources. Prerequisite: PHI 10, 14, or 20. (Formerly PHIL 143.)

170. *Ethical Theory: Values, Relativism and Pluralism* 3 s.h.
A detailed examination of some specific issue in contemporary ethical theory. Possible topics include the nature and objectivity of morality, the relationship between moral philosophy and theories of the self, the rival of a virtue-theory approach to ethics, and pluralism about values. Prerequisite: PHI 14, or permission of instructor. (Formerly PHIL 149; *Ethical Theory*.)

180. *Theories of Knowledge and Being* 3 s.h.
An investigation of theories of being, which state the most general characteristics of reality; and theories of knowledge, which state what knowledge is and how, if at all, we know things; and the ways that theories of being and knowledge are related. Prerequisite: PHI 10 or 14. (Formerly PHIL 150.)

181. *Topics in Philosophy* 3 s.h.
This course provides an in-depth study of a problem in philosophy, the specific topic for the course varies from semester to semester. Examples of possible course topics are free will versus determinism, the nature of truth, philosophical approaches to issues in psychology, space and time. Students should consult with the particular instructor each time the course is offered to determine if prior preparation for the topic to be covered is recommended. Such consultation may take place prior to registration or on the first day of class. May be repeated for credit when topics vary. (Formerly PHIL 100.)

182. *Selected Philosophers* 3 s.h.
This course provides an in depth study of a major philosophical figure; the figure to be studied varies from semester to semester depending on the instructor. Prerequisite: PHI 10 or 3 s.h. in philosophy, or a history of philosophy course, or permission of instructor. May be repeated twice for credit when topics vary. (Formerly PHIL 155.)

194. *Seminar* 3 s.h.
For juniors and seniors who have previously taken at least three philosophy courses in logic: (PHI 150, 154, 156). May not be taken on a Pass/D+/D/Fail basis. (Formerly PHIL.)

Physics (PHYS)

17, 18. *Elements of Physics for Engineers* 4 s.h. each
Fundamental laws and principles of mechanics, electricity and magnetism, and selected topics in light. Designed for engineer-

ing majors. Corequisite for 17: PHYS 11B. Prerequisite or corequisite for 17: MATH 19. Prerequisite or corequisite for 18: MATH 20.

Psychology (PSY)

180. *Work Motivation: Theory and Applications* 3 s.h.
Examination of modern developments in motivational psychology as they pertain to individual behavior in organizational settings and their practical applications. Four approaches are examined. The first approach focuses upon need-motive-value strategies such as need fulfillment theories, intrinsic motivation and equity/justice theories. The second approach attends to expectancy-value formulations of behavior with attention directed toward VIE theory. A third approach involves an examination of the self-regulation-cognitive approach embodied in goal setting theory. The final theoretical perspective involves an analysis of the behavioral (operant) and social learning views of work motivation. The course focuses on the practical implications of motivational theory, with an emphasis upon job satisfaction, work design and reward systems.

181. *Leadership and Group Processes* 3 s.h.
Presents a broad review and analysis of leadership in organizations and groups. Examines organizational work groups within the perspective of the organization as a system. Topics include functions, history, theories, and styles of leadership. Gender issues, cross-cultural perspectives, leader-member relations, group development, communication, conflict, decision making and self-managed teams are also examined. Prerequisites: PSY 34; SOC 81 or PSY 141.

183 *Capstone Research Integration Course* 3 s.h.
Provides a capstone experience in which students integrate the knowledge and understanding of organizational behavior and leadership that they acquire in other courses in the concentration. Students work together in small groups on a single project throughout the term. Each group selects a research topic in consultation with the instructor. The project requires that data be collected from an industrial, public, voluntary, or non-profit organization. Using valid diagnostic procedures, students examine the psychological, structural, environmental, political, and cultural factors that affect organization systems.

Religious Studies (RELI)

50. *Islam* # 3 s.h.
A study of the rise of Islam within the context of the cultural social and religious conditions of pre-Islamic Arabia, Muhammad's religious message and the Koran, development of theology, law, and consolidation of Sunnism. Attention given to the concept of nonseparation of state and religion in Muslim thought, to the experience of women, and to themes in comparative art, architecture, and ritual. (Formerly PHIL 68.)

80. *Life, Death and Immortality* # 3 s.h.
Examination of the concepts of life, death and immortality as represented in religious and literary texts from a range of cross-cultural sources: western and nonwestern monotheistic traditions, eastern traditions (e.g., Tibetan and Indian), middle eastern (e.g., Turkish), African, and Native American. Further examination of the encounter between a native tradition and a western colonial, typically Judeo-Christian presence. Discussion as well, of the implications of these concepts for such issues as abortion, euthanasia, suicide. Original texts in translation. Same

as PHI 103. Credit given for this course or PHI 103, not both. (Formerly PHIL 70.)

85. *Comparative Religious Ethics* # 3 s.h.
An exploration of the ways in which three religious traditions attempt to guide their adherents' conduct by appealing to rules of action. Course begins by clarifying the notions of "ethics" and "religion." We then turn to three traditions—for example, the Navaho, the Gospel of Matthew, and to Theravada Buddhism, asking how each tradition conceives of the relation between religious and moral rules (we also ask whether that distinction is even helpful). While the student is asked to master a body of historical materials, the emphasis is philosophical throughout; we mainly want to understand how each tradition understands such basic notions as action, obligation, the moral authority of persons, deity or deities, and institutions, and the status of other religious and moral frameworks. (Formerly PHIL 71.)

140. *Special Topics in Religion* 3 s.h.
Studies in such special topics as psychology of religion, religion in America, new religious movements, and religion, media and American culture. May be repeated for credit when topics vary.

191. *Independent Study in Religious Studies* 1-3 s.h.
Individualized plan of study developed by student in consultation with, and with the approval of a member of the faculty, approved by Religious Studies Adviser who will serve as tutor for the course. Prerequisites: approval of instructor and Religious Studies Adviser.

Sociology (SOC)

9. *Youth, Crisis, and American Culture* 3 s.h.
This course explores the period in human development we call "youth." The "Beat Generation," "Love Generation," "Me Generation," "Generation X": the concept of youth differs depending on social, economic, and political contexts. Accordingly, this course offers an understanding of youth that is grounded in historical development, social structure and a changing youth culture (e.g., music, dress, work and leisure). The course examines the prevailing attitudes and conditions confronting youth today, with an eye towards future developments.

37. *Parenting, Poverty and Social Policy* 3 s.h.
Can social policies be effective against poverty? What are the consequences of aiding, or not aiding, poor families? This course addresses these questions by focusing on the process and consequences of social policy, with an emphasis on the United States. In particular, the course explores the politics of poverty and the development, implementation and effects of social welfare policies aimed at impoverished families. There is a consistent focus on how class, gender, race, and the normative functions of the nuclear family intersect with the process of constructing social policy for the poor.

142. *Global Cities: Politics and Social Change in Comparative Perspective* 3 s.h.
This course compares the impact of global economic change on the world's most powerful cities in the last fifteen years. The first half of the course focuses on how economic change has affected the social and political lives of the residents of New York and London. The second half looks at the way other cities (e.g., Paris, Berlin, Tokyo, Hong Kong, Singapore, and Los Angeles) handle the challenges of globalization and assesses what lessons their fate holds for New York and London. Course is designed to introduce students to the problems and opportunities created by the growth of a world economy and its consequences for the people, politics, and social structures of large cities.

180A. *Computing and Statistical Analysis in Sociology* 1 s.h.
This course introduces the student to the basics of using a computing program such as the Statistical Package for the Social

Sciences (SPSS). It covers such topics as data file construction and management, variable construction and transformations, statistical procedures (including descriptive, correlation, t-test, regression, and ANOVA). Basic elements of reporting results in tabular and graphic forms are discussed. This course is designed for those students who have completed a statistics course that did not include a computer component. Prerequisite: one course in elementary statistics. Credit given for this course or SOC 180, but not both.

Spanish (SPAN)

2R. *Review of Elementary Spanish* 3 s.h.
Intended for students who have had two years of Spanish in high school, but who need review of the basics of SPAN 1 and 2 before enrolling in SPAN 3. No credit for either SPAN 1 or SPAN 2, if credit received for 2R.

111B. *Spanish for Spanish Speakers* 3 s.h.
Intended for students who have an oral knowledge of the language (e.g., speak Spanish at home), or scored above SPAN 4 on the placement test, but have never had formal instruction in the language. The course offers rigorous immersion in the structure of Spanish; slips in usage (fossilized grammatical errors, use of so-called *Spanglish*, word separation, and orthographic mistakes) are addressed with appropriate methodology. Equally important is the cultural goal, i.e., to broaden students' knowledge of the twenty-one countries (including the United States) making up the Spanish-speaking world.

113A. *Culture and Civilization of Spain* 3 s.h.
The peoples of the Iberian Peninsula: its geography, history, socio-political and religious heritage, as well as its literature, music, and visual arts. Credit given for this course or SPAN 113, not both.

113B. *Culture and Civilization of Latin America* 3 s.h.
The peoples of Latin America: its geography, history, socio-political and religious heritage, as well as its literature, music, and visual arts. Credit given for this course or SPAN 113, not both.

190. *Senior Seminar in Hispanic Literatures and Cultures* 3 s.h.
This capstone seminar course rounds out the student's preparation in Hispanic literatures and cultures through an in-depth exploration of a changing series of topics fundamental to both Peninsular and Latin American literatures and cultures. It exposes the student to key concepts of literary theory and provides training in the completion of a complex research project. Students produce a substantial research paper by the end of the course, which may function as a chapter of the senior departmental honors thesis. If the student is qualified to pursue departmental honors. Prerequisite: senior standing.

Spanish Literature in Translation (SPLT)

52. *Interpreting the Hispanic Legacy* # 3 s.h.
Spain's legacy to Hispanic America and their respective values and idea, as expressed in their literary and traditional myths. Matters of origin, the assessments of the modern dilemma, and projections of Hispanic politics and art are discussed. Readings are interpretative as well as historical. Prerequisite: one of the following courses: HIST 11, 12; CLL 39, 40; SPLT 51; or permission of Chairperson of the Department of Romance Languages and Literatures in consultation with the instructor.

58. *The Empire Writes Back: Autobiography and Resistance in Colonial Spanish America* # 3 s.h.
The course provides a new interpretation of Spanish American Colonial experience, examining resistance and subversion in the imperial context through the prism of autobiography. Themes include intellectual, ideological and spiritual subversion; resis-

tance to slavery; gender transgression; and re-negotiation of power within the patriarchal family and nation. Students examine the role of memoirs, travel accounts, private and public letters, and other autobiographical resources as part of a history of self-exploration and awareness.

Speech-Language-Hearing Sciences (SPCH)

10. *Sociocultural Influences on Spoken and Written Communication*

3 s.h.

Sociocultural factors affect written and spoken communication. In this course we investigate individual's communication abilities in relation to sociocultural variables. Variables that are discussed include regional differences, socioeconomic status, race. In addition through the medium of novels and films, we examine language variation that arises as a result of various communication disorders.

Technology and Public Policy (TPP)

60. *Introduction to Geographic Information Systems*

3 s.h.

This course introduces students to Geographic Information Systems (GIS) foundations, concepts, and application techniques. GIS are used to encode, store, analyze, and report spatial data and provide a repository, which can be constructed, maintained, edited and analyzed. By linking different information technologies such as mapping and database management systems, spatial information can be used to facilitate management and decisions in a wide array of fields. These include marketing, industrial and commercial location, resource inventory and management, environmental impact assessment, urban planning, transportation, tracking crime data. Same as GEOG 60.

130. *Media Technologies and Public Policy*

3 s.h.

Provides an interdisciplinary examination of new technologies, their impact on the media, global communication systems, and the international information society. Considers and analyzes who are the new media players, the legal and personal implication of media ownership patterns, fragmentation of society, and the controversial shaping nature of telecommunication and information technologies on the dimensions of our culture, social structure, economy, and politics. Prerequisite: MASS 11 or approval of instructor. Same as MASS 130.

University Honors Program (UHP)

9A. *Self, Society, and Revolution*

3 s.h.

Examines ways in which philosophical and literary texts expose readers to the nature of revolution and the problems of identity in the midst of political, social, and moral upheaval.

9B. *Know Thyself*

3 s.h.

Introduces students to the fundamental problems of philosophy and in particular the problem of personal identity.

9C. *The Politics of Voice in Literature, Film, and Performance*

3 s.h.

Examines the nature of voice in personal narrative, literary texts, film, and oral performance.

9D. *News and Reason: American Journalism and the Legacy of the Enlightenment*

3 s.h.

Introduces students to the philosophical, historical and political history of American journalism and provides them with the ability to assess contemporary practice in terms of how well today's journalists adhere to standards grounded in the First Amendment.

Write Start

1W-2W. *Write Start Composition*

4 s.h. each

First semester: an introduction to expository writing at the college level, with an emphasis on analysis and argument. Assignments in reading and writing are coordinated; the Proficiency Examination is given as part of the course. Includes a coordinated workshop focusing on sentence skills, organization, and thesis development. May not be taken on a Pass/D+/D/Fail basis. Second semester: continued instruction on expository writing, and an introduction to literature. Most reading and writing assignments are organized around a central theme. Includes a Shakespeare play and a documented essay. Includes a coordinated workshop in exposition, argument, and literary analysis. May not be taken on a Pass/D+/D/Fail basis.

1T-2T. *Write Start Workshop*

0 s.h.

Taken as part of ENG 1W or 2W to reinforce instruction in exposition, argument, and analysis.

#Core course

Provisional Courses

The **School of Communication** acknowledges that departments need to keep up-to-date on new advances made in their various disciplines. Toward this end, departments may propose to experiment with a different combination of material or an interdisciplinary approach to a subject. These proposals may obtain “provisional approval.” If the experiment is successful, faculty authorization for regular inclusion with departmental offerings may follow.

Provisionally approved courses must meet all regular requirements for time in class, amount of student assignments and level of difficulty. The following are courses which received provisional approval.

Audio/Video/Film (AVF)

152. *The Radio Industry* 3 s.h.

A study of current principles and practices of radio programming, marketing and sales, promotions, and radio management for commercial and public radio. The course highlights organizational, technological, and ethical issues facing the radio industry today. Prerequisites: AVF 111 and 131. Not for liberal arts credit.

174. *Advanced Video/Television Internship* 3 s.h.

An advanced video/TV production internship in which students apply concepts and knowledge acquired in the classroom to “real-world” production settings as chosen by the department. Each student works with an assigned faculty sponsor and an on-site supervisor as determined by the host organization. In addition, each student is expected to devote a requisite number of hours per week at the internship site, keep a weekly journal, attend bi-weekly classes on campus, and write regular reports, including a culminating final term paper. Student interns are also expected to create a sample production reel of projects or assignments worked on in the field and to make presentations to other students concurrently enrolled in the course. Students must obtain approval by the department before registering. Applications, with information about deadlines, are available in the AVF department office. Prerequisites: 1) junior class standing; 2) the successful completion of at least 6 s.h. of AVF classes in residence; 3) GPA of 2.7 or better in the major; and 4) AVF 164. (Note: AVF 164 may be taken concurrently.) No liberal arts credit.

Journalism (JRNL)

16. *Broadcast News II* 3 s.h.

An intensive workshop where students use their journalism skills in the production of a weekly, broadcast-quality news show (i.e., News and Views). Students participate in each aspect of this production including research, writing, reporting, and editing. Emphasis is placed on developing advanced writing skills. Ethical problems faced by television reporters and producers are discussed. Participants work with advanced video/television students in the actual production of the newscast. Outside community research and reporting time is required. Prerequisites: JRNL 15; SCO 4; AVF 26. Same as JRNL 120. No liberal arts credit. (Formerly JRNL 120, *Electronic News Laboratory I*.)

56. *Desktop Publishing* 3 s.h.

Learn how to publish your own publication, from a newsletter to a newspaper, using the latest hardware and software. Today’s generation of computers and desktop publishing programs have made it possible to produce a viable periodical. This course teaches you the skills to design your own publication, from turning on the computer to printing the final copy. No liberal arts credit.

62. *Public Relations Research Methods and Assessment* 3 s.h.

This course is designed to provide students with an understanding of the importance of research in developing public relations strategies. Students gain an understanding of probability sampling, research methodologies, data gathering and report writing. Assessment of tools and responses, communicating findings and applying results is stressed. Prerequisites: JRNL 60, MKT 101.

63. *Public Relations Copywriting* 3 s.h.

This course is designed to advance students’ understanding of the field of public relations, its theories, methodologies, practices and relevant issues. The course focuses on analysis of communication

objectives, audience and media, and emphasizes excellent writing skills, good news judgment, ethical decision making and sound communication principles. Prerequisites: JRNL 62, MKT 131.

64. *Public Relations Case Studies* 3 s.h.

This course encompasses study of several important cases—historical and current—which examine how public relations professionals deal with situations and crises. Through readings, discussions and projects, students explore their own perceptions of the profession and its impact on society. Emphasis is placed on ethical courage, values, audience sensitivity and media reaction. Prerequisite: JRNL 63.

67. *Public Relations Campaigns* 3 s.h.

Capstone course for advanced public relations students combining theory and experiential components and enabling students to develop their own public relations campaigns for a client assigned by the instructor. Working with clients on a pro-bono basis, students develop a greater understanding of public relations needs in a world where social responsibilities, ethics, values and community service are stressed. Emphasis placed on strategic planning, objectives, and identification of appropriate techniques. Prerequisite: JRNL 64. No liberal arts credit.

76. *Advanced Broadcast Journalism* 3 s.h.

This course provides those concentrating in broadcast journalism with the opportunity to produce an in-depth, long-form project of journalistic significance. Working as a team, participants research, write, shoot, and edit a news documentary for broadcast. Participants also analyze and critique selected works produced by news organizations. Outside community research and reporting time is required. Prerequisite: JRNL 17. No liberal arts credit.

80. *Online Journalism* 3 s.h.

A thorough introduction to the fastest growing element of professional journalism—journalism over the internet, or online journalism. Students examine the theoretical, legal and ethical underpinnings of this new form, while exploring the new form’s connections with the print and broadcast media, which came before. Practical skills include web-based reporting, newswriting taking advantage of hypertext and other web tools, and design and construction of web sites. Prerequisite: JRNL 11.

Mass Media Studies (MASS)

109. *The Mass Media, Politics and Policy Making* 3 s.h.

This course focuses on the media’s role in politics and the ubiquitous nature of today’s media impact on political agenda setting. The course is designed to enhance the student’s research, writing, and analytical skills and to increase awareness of mediated reality in this important area. Topics include theories or persuasion, the spin-doctor phenomenon, and the coverage and impact of extraordinary events on political decision making. Students are required to have a computer account. Attendance at one Evening Forum (in lieu of one class session) may be required. Prerequisites: SCO 2, PSC 1.

130. *Media Technologies and Public Policy* 3 s.h.

Provides an interdisciplinary examination of new technologies, their impact on the media, global communications systems, and the international information society. Considers and analyzes who are the new media players, the legal and personal implications of media ownership patterns, fragmentation of society, and the controversial shaping nature of telecommunication and information technologies on the dimensions of our culture, social structure, economy, and politics. Prerequisites: MASS 11 or TPP 149 or approval of instructor. Same as TPP 130.

Speech Communication and Rhetorical Studies (SPCM)

43. *Fundamentals of Organizational Communication* 3 s.h.

Introduces students to the general theories of organizational communication. Specifically, the course emphasizes the social and cultural dimensions of communication practices which sustain or challenge organizational ideas, values and beliefs. The course adopts an interpretive approach to the study of organizational communication by considering how stories, myths and narratives are used to create meaning among members.