

Stony Brook

LIBRARY - REFERENCE DEPARTMENT
STATE UNIVERSITY OF NEW YORK
AT STONY BROOK
STONY BROOK, NEW YORK 11794

Spring 1987

Evening Graduate Courses

Master of Arts
in Liberal Studies

Center for Continuing Education
The University at Stony Brook



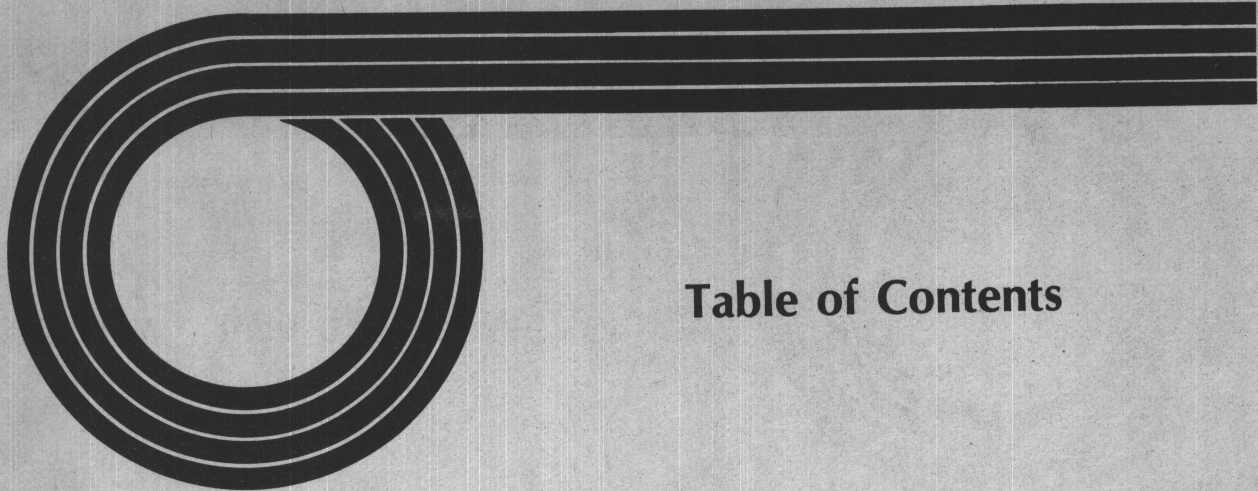


Table of Contents

Where to Call/2

Part-Time Evening Graduate Study/3

Master of Arts in Liberal Studies/4

Admission and Degree Requirements/4
Registration Information/10

**Spring 1987 Evening Graduate
Courses/13**

Off-Campus Extension Program/14
Foundations Courses/15
Departmental Courses/17
Special Areas of Part-Time Graduate Study/27

Other Part-Time Credit Programs/28

Professional Licensing Programs/31

Directions to Campus/33

Campus Map/34

New Student Registration Form/35

Index/Inside Back Cover

CED Academic Calendar/Back Cover

Photos by: Hesso Bellem, Maxine Hicks, Jook Leung,
HSC Photography Service



Where To Call

Center for Continuing Education/632-7050
N-201 Social and Behavioral Sciences Building

Bookstore/632-6550
Melville Library, ground floor

Bursar/632-6116
261 Administration Building

Financial Aid/632-6840
230 Administration Building

Foreign Student Affairs Office/632-7025
113 Central Hall

Graduate School/632-7040
2401 Lab Office Building

I.D. Office/632-6345
191 Administration Building

Library (main)/632-7110

MA/LS Advising/632-7055
N-223 Social and Behavioral Sciences Building

Public Safety/333
144 Administration Building

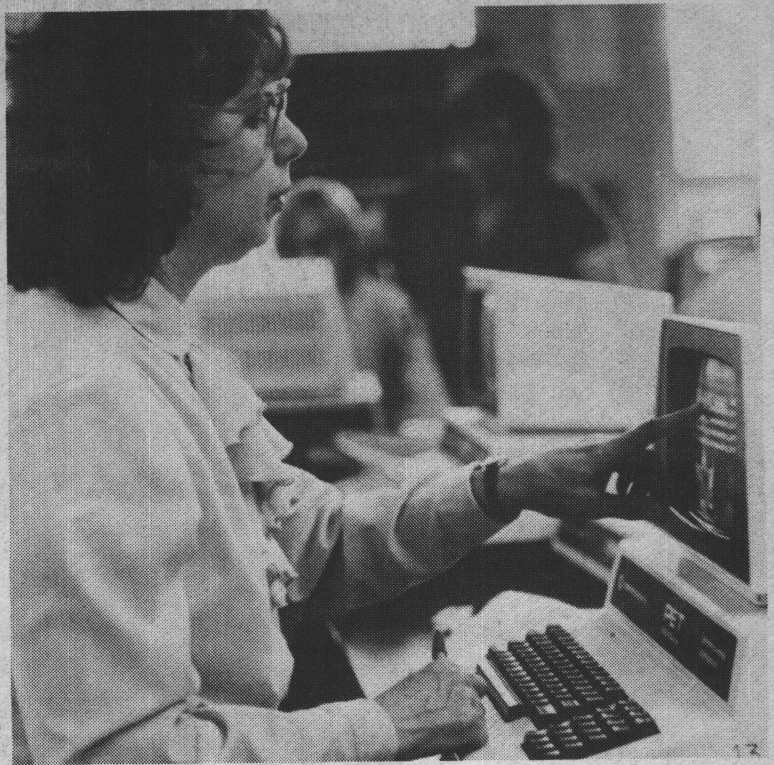
Records/Registrar/632-6885
276 Administration Building

**Science, Mathematics and Technology Education
Center/632-7075**
202 Harriman Hall

Student Accounts/632-6176
254 Administration Building

Undergraduate Admissions/632-6868
118 Administration Building

When writing to any of these offices, please add: *SUNY
at Stony Brook, Stony Brook, NY 11794.*



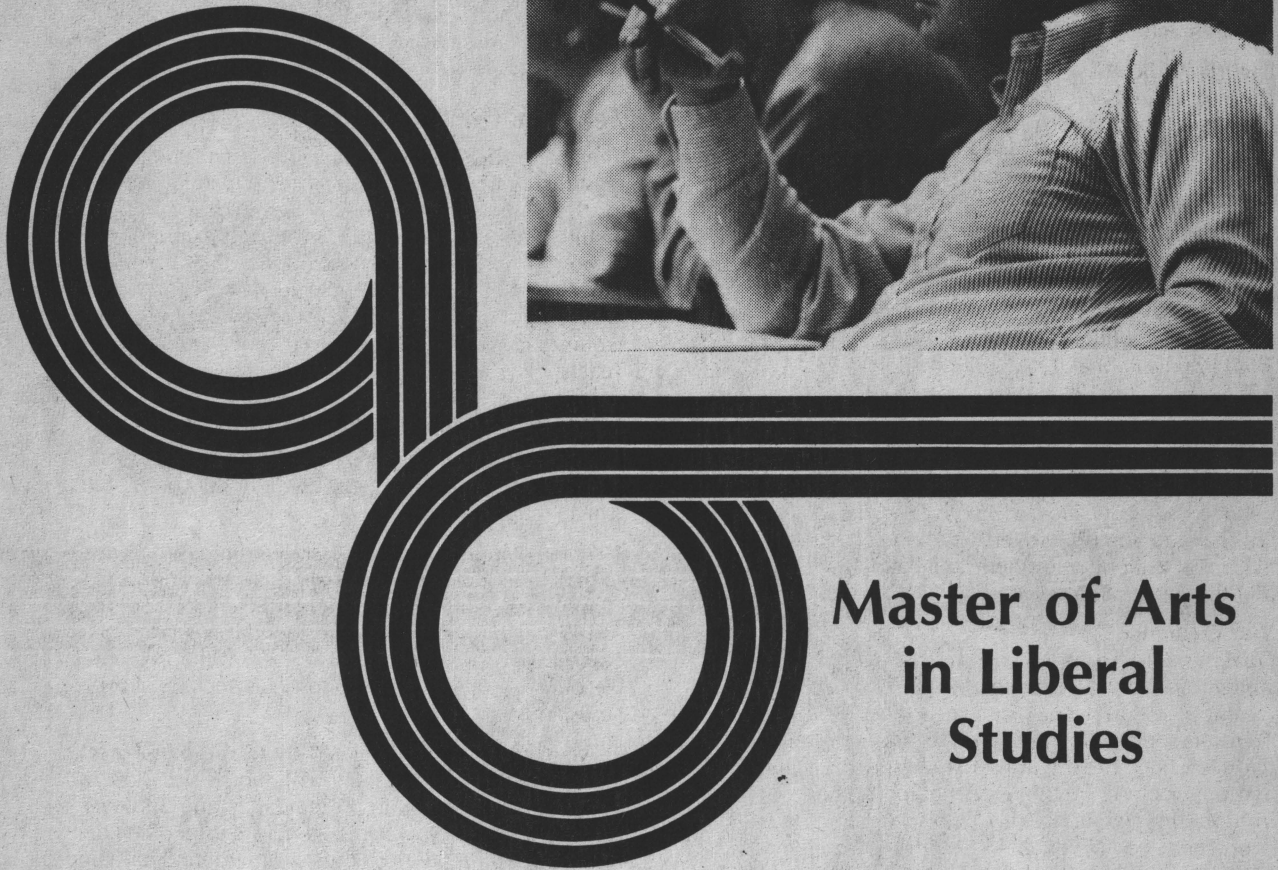
Part-Time Evening Graduate Study

College graduates interested in part-time evening graduate study can do so at SUNY at Stony Brook through the Center for Continuing Education (CED). Students can take individual graduate courses for professional growth or personal enrichment as non-matriculated students. They may also seek admission to the Master of Arts in Liberal Studies program (MA/LS).

CED's time schedules and student support services are designed to meet the special needs of mature students whose work and personal responsibilities restrict them to part-time study. Classes meet once a week in the late afternoon or early evening. Some courses are given at extension sites on Long Island and occasionally via the campus FM radio station. Ample time is given to complete work toward a degree on a part-time basis. Academic advisors are available to discuss each student's academic goals and to help plan an individual's curriculum.

In addition to credit-bearing programs, CED sponsors professional licensing courses in real estate and insurance. Details of these programs are included in the section of this bulletin entitled "Licensing Programs."

Learners who wish only to take individual graduate courses can become non-matriculated graduate special students (GSP). The GSP category also serves those who are considering application to, or awaiting acceptance into a graduate program. GSP students with an interest in a particular campus program should consult with that unit about their choice of courses and applicability of credits to a degree. Information about registering as a GSP student is covered in the Registration section of this bulletin.



Master of Arts in Liberal Studies

The MA/LS Degree

The Master of Arts in Liberal Studies (MA/LS) is a multidisciplinary degree that examines issues and themes in the Arts and Humanities, Social and Behavioral Sciences, and Natural and Applied Sciences. Students take nine credits in foundations courses which explore basic concepts and modes of inquiry in broad areas of academic study. These courses help to prepare students for advanced work by appropriate use of source materials and emphasis on analytical writing. In addition, students select an 18-credit cluster of courses related by theme or subject which emphasizes liberal studies. The program also includes a master's essay, ordinarily written as or developed from a term paper in a cluster course.

The MA/LS is a non-research degree that does not provide the necessary prerequisites for entrance into a doctoral program.

Admission Requirements

To be considered for the MA/LS program students must hold a bachelor's or advanced degree from an accredited institution of higher learning. An undergraduate grade point average (GPA) of 2.75 or higher is required to matriculate in the program.

Students with an undergraduate GPA of less than 2.75 will be accepted conditionally into the program. They will be officially matriculated upon completion of at least six graduate credits at Stony Brook (three of which must be from a foundations course) with a GPA of at least 3.0.

Application Process

Prospective MA/LS candidates can obtain an application by writing to, calling, or visiting the Center for Continuing Education (CED), N-201 Social and Behavioral Sciences Building, SUNY at Stony Brook, Stony Brook, NY 11794-4310; telephone (516) 632-7050. They should also call (516) 632-7055 to make an in-person appointment with an academic advisor in order to plan a course of study. New students should bring their completed application to

that meeting along with a \$35 application fee. Appointments should be made well in advance of the semester in which a student wishes to begin classes.

Prospective MA/LS candidates must also arrange for an official transcript to be sent to CED from the college that awarded their bachelor's degree.

Foreign Student Admission

In addition to the MA/LS admission procedures listed above, students who are not citizens or permanent residents of the U.S. must meet the following requirements:

English Proficiency

Foreign students must demonstrate proficiency in reading, writing, and speaking English, as well as comprehension of the spoken language if their first or native language is not English or if they have pursued higher education in a non-English-speaking country. They can do this by presenting a score of at least 550 on the Test of English as a Foreign Language (TOEFL). This test is given at centers throughout the world on several dates each year. The testing schedule and registration information can be obtained by writing to TOEFL, Educational Testing Service, Princeton, NJ 08540.

Financial Verification

Foreign students must also provide the University with verification that the necessary funds are available to finance their education at Stony Brook. To do this they will have to submit University Financial Affidavit Form SUSB 1202 along with their application for admission and the application fee.

Visa Clearance

Government regulations require that every foreign student attend the institution which issued the visa clearance used for entry into the United States. Transfers are possible, but only if students can show that they have been enrolled at another U.S. institution and then only if they receive the appropriate clearance from the Immigration Office and the institution concerned. Foreign students on student visas must register as full-time students. The Office of Foreign Student Affairs has complete information about these regulations. This office is located in 113 Central Hall; telephone (516) 632-7025.

Academic Advising

CED's academic advisors help students enrolled in the MA/LS program to plan their curriculum. All students must meet with an MA/LS advisor at the time of application in order to develop a program of study and to review the degree requirements. Students are urged to meet with an advisor as they need, although they remain individually responsible for meeting program requirements. (See the section on "Student Responsibilities.") To make an appointment with an advisor, call (516) 632-7055.

CED Office Hours

The general administrative office for the Center for Continuing Education (CED) is in Room N-201 Social and Behavioral Sciences Building. This building is located behind the parking garage which is next to the Administration Building on the main campus.

The office maintains evening hours when classes are in session. In the fall and spring terms the office is open

Monday through Thursday from 9:00 a.m. to 7:00 p.m. and on Friday until 5:00 p.m. Summer hours vary slightly and are listed in the Summer Session bulletin. Between semesters, office hours are Monday through Thursday, 9:00 a.m. to 5:30 p.m. and until 5:00 on Friday.

Addresses Students Should Know

The inside front cover lists the addresses and telephone numbers of several campus offices that are mentioned in this bulletin and which students may need to contact. When writing to any of them, students should add to the address: SUNY at Stony Brook, Stony Brook, NY 11794.

Teacher Certification

The Master of Arts in Liberal Studies will meet the master's degree requirements for permanent certification for those already provisionally certified in all certification areas except those related to pupil personnel service and school administration and supervision. Information about how individual courses offered through CED may satisfy teacher certification requirements should be obtained from the Division of Teacher Certification in Albany.

MA/LS Degree Requirements

Students admitted for the Fall 1984 semester and thereafter must complete a 30-credit course of study which includes:

1. Three foundations courses (9 credits), one from each of the three general subject areas of Arts and Humanities, Natural and Applied Sciences, and Social and Behavioral Sciences. The foundations courses offered each semester are described at the beginning of the course listings which follow this section of the bulletin.
2. A cluster of courses related by theme or subject, totaling 18 credits. Students will choose a cluster, or develop their own, with the guidance and approval of an academic advisor. Some sample clusters include American Studies, Art or Music, Environmental Studies, Labor-Management Studies, Literature, Long Island Studies, Philosophy, Social Issues, Social Studies, Technology and Society, and Western Civilization.
3. Three elective credits.
4. A master's essay. Candidates for the MA/LS degree are required to submit a paper, related to their cluster area, which shows they can develop ideas and use analytical skills at the master's level. Ordinarily the paper will be (or develop out of) a term paper submitted to a course in their cluster. Students should see an academic advisor for alternatives and also refer to the section of this bulletin which gives further information about the MA/LS essay.
5. Students admitted for the Spring 1987 semester must also include at least 9 credits from courses designated Liberal Studies (LS). Students choosing professional or technical themes should pay particular attention to this requirement when planning their curriculum.

Students admitted to the MA/LS program before the Fall 1984 semester must complete a 30-credit course of study which includes:

1. An 18-credit cluster of courses related by theme or subject. Students will develop, with the guidance and approval of an academic advisor, a cluster of courses that suits their particular needs or interests. A few examples of possible cluster topics are listed in item 2 above.
2. Twelve elective credits. The courses chosen as electives depend on a student's overall needs in completing the degree requirements.
3. Courses from three general subject areas. Among the 30 credits, students must take a minimum of 6 from each of three general subject areas: Arts and Humanities (AH), Natural and Applied Sciences (NS), and Social and Behavioral Sciences (SB). (See the section entitled "Classification of Courses" to find out how to determine to what general area a course belongs.) These courses will be distributed between the cluster and elective courses.
4. The MA/LS essay requirement. Candidates for the MA/LS degree are required to submit two research papers or projects, each from a different general subject area (see the areas listed in item 3 above), which show that they can develop ideas and use analytical skills at the master's level. Papers or projects are usually chosen from among those submitted to satisfy a graduate course requirement. Students should refer to the section of this bulletin that cites details of the MA/LS essay requirement.

All MA/LS students must:

1. Attain a 3.0 (B) cumulative grade point average (GPA) in all graduate courses taken at Stony Brook, as well as a 3.0 cumulative GPA for the 30 credits used to earn the MA/LS. Grades earned in transferred courses cannot be included in the GPA calculation to determine eligibility for graduation.

A student who has earned 12 credits toward the MA/LS but who has not achieved a cumulative 3.0 GPA will be notified and urged to come in for a conference with an advisor.

2. Complete all requirements within five years (or seven years for students admitted before Fall 1986) from the date of admission into the MA/LS program.

MA/LS Credit Limitations

1. Students may apply a maximum of 12 credits earned at Stony Brook as a non-matriculated student (GSP) toward the requirements for the MA/LS.
2. Students may apply a maximum of six credits of CED 599 Independent Study toward the MA/LS degree.
3. Stony Brook graduate credits may be no more than five years old at the time a student is admitted or readmitted into the MA/LS program in order to be considered for degree credit. Exception: Students admitted or readmitted before Fall 1986 may use Stony Brook credits that are no more than ten years old at the time they were admitted to the MA/LS program.
4. A maximum of six credits from another institution that are no more than five years old at the time a student is admitted or readmitted into the MA/LS program may be transferred toward the degree requirements. Transfer is not automatic. A student must

request it, and the request must be reviewed and approved by CED's transfer credit advisor. (For complete information see the section that follows on transferring graduate credit from other institutions.)

Transferring Graduate Credits from Other Institutions

1. A student may transfer toward the MA/LS degree a maximum of six graduate credits taken at accredited institutions. These credits must be from an institution that is authorized to grant graduate degrees by recognized accrediting authorities.
2. Credits must be in keeping with graduate liberal arts studies offered at Stony Brook.
3. Credits must carry the grades of A or B. Pass or Satisfactory grades are not transferrable unless these grades can be substantiated by the former institution as having at least B quality. The A or B grades for credits transferred from other institutions are not included in any calculation of a student's grade point average or in any evaluation of the student's academic standing in the MA/LS program.
4. Credits cannot be more than five years old at the time of the student's admission to matriculated status. This policy applies to all students, new or continuing, who seek to transfer credits.
5. Credits used to fulfill a requirement for either a baccalaureate or another degree may not be transferred toward the MA/LS degree.
6. Credits earned through an abbreviated program such as a weekend college or mini-course may not be transferred, nor may travel or correspondence courses be transferred.
7. Credits must clearly be graduate level. A course listed as both graduate and/or undergraduate level will not be considered for transfer.
8. How transferred credits may be applied toward the MA/LS requirements will be determined by CED's Transfer Credit Advisor.
9. If a transferred course has been determined to have a Stony Brook equivalent, a student may not take this equivalent for credit toward the MA/LS degree.
10. No credits may be transferred from another institution until a student has completed at least one graduate course as an MA/LS student.
11. After admission into the MA/LS program, a student must obtain prior approval from the Transfer Credit Advisor to take courses at another institution for MA/LS credit.

Forms to request the transfer of credits or prior approval to do so are available in the CED office or from an academic advisor.

Independent Study

Students may pursue a specific area of academic investigation through independent study. To be eligible to register for CED 599 Independent Study students will need to have:

1. Completed at least six credits of graduate coursework at Stony Brook.

2. Maintained at least a B average in that graduate work.
3. Shown evidence that they have sufficient library and research skills to undertake independent study.
4. Prepared a proposal describing what they would like to do, after consulting with a Stony Brook faculty member who is willing to supervise their work and sponsor their independent study project.
5. Completed and submitted an Application for Independent Study form, which is available from the CED office. The application must be signed by the faculty sponsor and the appropriate chairperson. It must also be submitted four to six weeks in advance of a semester's final registration dates for review by the Dean of CED.

The maximum number of credits of CED 599 Independent Study that may be applied toward the MA/LS degree is six.

MA/LS Essay

Essay objectives and guidelines are presented on the back of the essay approval cover sheet, which is available in the CED office or from an academic advisor. Students should review these guidelines before starting a paper. Students planning to submit a course paper should meet with the instructor early in the semester to ensure that the format is acceptable for both course and MA/LS requirements. Each essay is evaluated by a first reader (the course instructor or sponsor) and then by a second reader. Both readers expect work of high quality.

The process for reviewing essays and projects can be lengthy, and students are urged to complete this requirement before their last semester to avoid having their graduation delayed.

It may be possible to develop the MA/LS essay out of an independent study project. In addition, it may be possible to expand or develop a previous term paper into an MA/LS essay through CED 590 (see below). Both independent study and CED 590 involve an approval process and a sponsor. Interested students should see an advisor for details and potential sponsors. It is the student's responsibility to find a sponsor.

CED 590 Preparation of the MA/LS Essay

Tutorial study with a member of the SUSB faculty, during preparation of the MA/LS essay, which is an expansion, extension, or further development of a paper or research project that originated in a previous MA/LS course.

Prerequisites: Approval by the sponsor and CED; completion of the foundations courses and 12 cluster credits
3 credits

MA/LS Essay Approval Deadlines for Graduation Candidates

Applicants for graduation must submit any outstanding MA/LS essays or projects to the course instructor no later than the last day of class of the semester when they expect to graduate. If revisions are called for they must be made and the essay/project must be approved by both the instructor and CED no later than the last day of the month in which the semester ends. Students who cannot meet these deadlines will be unable to graduate that semester and must reapply to graduate at the end of another semester.

The process for reviewing essays and projects can be lengthy, and students are urged to complete this requirement before their last semester to avoid having their graduation delayed.

MA/LS Essay Writing Assistance

Stony Brook offers two sources of writing assistance for CED students who may be having difficulty meeting the essay requirements. CED's essay advisor, Dr. Alex Baskin, will see students by appointment. His office is in N-225 Social and Behavioral Sciences; telephone (516) 632-7050 for an appointment.

In addition students can also obtain individual assistance on any writing project from the English Department's Writing Center. Call (516) 632-7405 for information or for an appointment. The Writing Center is open Monday through Friday from 9:00 a.m. to 5:00 p.m. It also conducts evening hours that change from semester to semester.

Classification of Courses

CED classifies and codes courses into one or more of three general subject areas. Students admitted prior to Fall 1984, are required to take six credits in each of the following subject areas.

Arts and Humanities (AH) includes offerings in art, comparative literature, English, foreign languages, music, philosophy, religious studies, and theatre arts.

Natural and Applied Sciences (NS) includes offerings in applied mathematics, biological sciences, chemistry, computer science, earth and space sciences, marine sciences, mathematics, physics, technology and society, and from the College of Engineering.

Social and Behavioral Sciences (SB) includes offerings in allied health resources, anthropology, economics, education, health sciences, history, industrial management, labor/management studies, linguistics, physical education, political science, psychology, social sciences interdisciplinary, social welfare, sociology, and from the W. Averell Harriman College for Policy Analysis and Public Management.

Foundations courses, required of students admitted as of Fall 1984, are listed at the beginning of each semester's list of courses offered and carry a notation of (F) following the course description.

Liberal Studies courses carry an (LS) notation following the course description. Students admitted as of Spring 1987 must take at least 9 credits of liberal studies.

Prerequisites

Prerequisites indicate the course background expected of students and are listed for the student's benefit.

Grading System

Graduate students are graded on the following system:

A = 4.00 (Superior)	C+ = 2.33
A- = 3.67	C = 2.00 (Minimum Passing)
B+ = 3.33	C- = 1.67
B = 3.00 (Good)	F = 0.00
B- = 2.67	

Neither a D nor Pass/No Credit is a legal grade for

graduate students. However, the following marks may be awarded at the end of the semester:

I (Incomplete): This is an interim grade occasionally given by instructors to allow students extra time to complete their work after the end of classes. Students are not automatically entitled to this privilege. Incompletes must be approved by the instructor before the end of the semester.

Incompletes are usually granted only upon evidence that good cause—such as serious protracted illness—prevented the student's completion of course requirements. The grade of I must be resolved by the following dates: March 16, 1987 for courses taken during this fall semester; November 3, 1986 for courses taken during the preceding spring or summer semester. In granting a grade of I the instructor signifies a willingness to receive student work after a class has ended and to prepare grades in accordance with these deadlines. If a student receives an Incomplete and does not complete the work necessary to remove it by the deadline set, it will automatically be changed to a failing grade, I/F (Lapsed Incomplete).

NR (No Record): An instructor may assign a temporary grade of NR for students who have never, to the instructor's knowledge, participated in the course in any way. An NR report is not to be interpreted as a grade but only as a temporary indication of a state of affairs which requires prompt resolution, leading either to removal of the course from a student's program (whenever it turns out to have appeared as a result of an error) or to the assignment of a grade. If the problem is not resolved by the deadlines listed in the preceding paragraph for clearing up Incompletes, the NR will automatically be changed to a failing grade, NR/F (Lapsed No Record). It is the student's responsibility to resolve the problem.

S (Satisfactory): Indicates passing work in those courses, so designated by a department, where the normal mode of evaluation is impractical.

U (Unsatisfactory): Indicates unsatisfactory work in those courses, so designated by a department, where the normal mode of evaluation is impractical.

W (Withdrawal): Indicates that a student has withdrawn from a course after the deadline for deletions; it carries no further academic implications. Dates affecting the assignment of W are published in the CED Academic Calendar.

Grades appearing on a student's academic record may not be changed after one calendar year from the end of the term in which the grade was incurred. Final grades appearing on a student's academic transcript at the time of his or her graduation cannot be changed to any other grade subsequent to the graduation date.

Transcripts and Reporting of Grades

Grades will be mailed by the Registrar to the student's home address at the close of each semester. Students may obtain official transcripts from the Office of Records. Written requests should be sent to the Bursar accompanied by a \$3.00 fee, with checks made payable to "SUNY at Stony Brook." University policy does not allow grades to be given over the telephone. CED course grade sheets are posted outside the CED office as soon as they have been submitted by the instructors at the end of the semester.

Workloads

The MA/LS is a graduate level program with high expectations and a considerable workload. Students should allow at least the traditional three hours of study/preparation per class contact hour. Access to libraries (public and SUNY/Stony Brook) is necessary for many courses and should be considered when planning a schedule and curriculum. MA/LS and GSP students can register for no more than nine credits in a single semester unless special permission is obtained from the Dean.

Student Responsibilities

This bulletin is intended to be a guide to the University's academic and procedural rules and regulations as they apply to CED and GSP (non-matriculated) students. Students should keep it on hand for reference since students are responsible for familiarizing themselves with and abiding by all the rules and regulations that apply to CED and GSP students.

All programs, regulations, and schedules of dates offered are subject to change or withdrawal.

Students who have questions regarding academic regulations should be sure they receive their answers from an academic advisor in the Center for Continuing Education and should request that these answers be made in writing. A student's claim that he or she was given incorrect advice verbally by someone in the CED office cannot be honored.

Exceptions to Academic Regulations

Any CED or GSP student who finds that extraordinary personal circumstances seem to require that an exception be made to any academic regulation may petition the CED Committee on Academic Standing (CAS). Petition forms are available in the CED office. The CAS deals solely with academic matters and is not authorized to rule on requests for refunds. Requests for refunds must be addressed to the Office of Student Accounts.

Requests involving withdrawal from or cancellation of a course must be submitted to the CED Committee on Academic Standing within one calendar year after the course ends.

Academic Honesty

The University considers intellectual honesty to be the cornerstone of all academic and scholarly work and views any form of academic dishonesty as an extremely serious matter. Graduate students may be dismissed upon proof of violation of professional standards and academic honesty.

Academic dishonesty includes any act which is designed to obtain fraudulently, either for oneself or for someone else, academic credit, grades, or other recognition which is not properly earned. Some typical examples are:

Cheating on examination by the use of books, notes, or other aids when these are not permitted, or by copying from another student.

Submission of the same paper in more than one course without informing the instructor(s).

Collusion: two or more students helping each other on an examination or assignment when this is not permitted.

Use of ringers: sitting in for another student at an examination, or permitting someone else to sit in for oneself.

Plagiarism: the submission of another's work as one's own original work without proper acknowledgement of the source.

Falsifying documents or records related to credit, grades, change of status forms (e.g., adds and drops) and other academic matters.

Altering an examination or paper after it has been graded for the purpose of fraudulently requesting a revision of the grade.

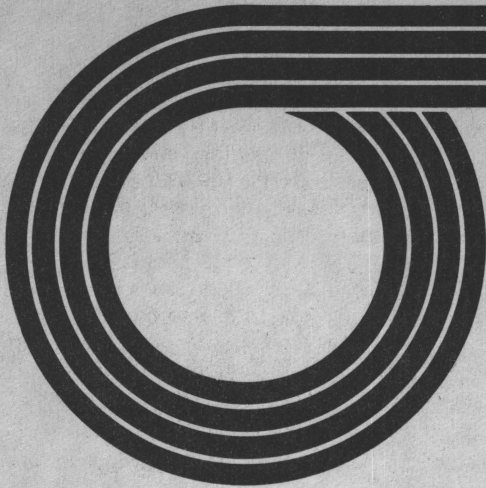
Theft or destruction of academic or scholarly resources.

Graduation

There are three opportunities to graduate: May, August, and December. In order to become a candidate for graduation, an application for graduation must be filed in the CED office within the first two weeks of the candidate's final semester in the MA/LS program. Application deadlines for each term are published in the academic calendar of this CED Bulletin. The deadline for applying for May 1987 graduation is February 6, 1987. Graduation applications are available in the CED office.

Students are eligible for graduation when they have met the published degree requirements. To be eligible for graduation in any semester, students must have completed all academic requirements by the last day of that semester.

One commencement ceremony is held every year in May. All May graduation candidates as well as the previous August and December candidates are cordially invited to this, along with their families.



Registration Information

Register early! The closer it gets to the start of the semester, the longer the registration lines are apt to be. The following registration opportunities are open to all evening graduate students.

Mail Registration

CED or GSP graduate students who registered for courses within the last year will be sent materials for registering entirely by mail. They must return their mail registration requests no later than Friday, November 21, 1986. This group of advance registrants will be billed and will have until Tuesday, December 30, 1986 to pay by mail.

Students who have never taken a graduate course at Stony Brook or GSP students who have not registered since Spring 1985 may use the mail registration form in the back of this bulletin to register for up to 9 credits as a non-matriculated graduate student (GSP). *This option is limited to the above-named students and payment must accompany the registration form.* Instructions for payment are given on the back of the form. These mail registration forms must be returned no later than Monday, January 12, 1987.

Walk-In Registration

Students may register in person between 10:00 a.m. and 4:00 p.m., beginning Monday, December 1, 1986. Students who do not have permit-to-register and registration forms may obtain them from the CED office. The procedures to follow for walk-in registration are summarized below. Walk-in registration ends on Friday, January 23, 1987.

December 1 and December 2 Students submit their completed registration form and permit-to-register to the Registrar, 2nd floor lobby of the Administration Building, where they will be given a computer-generated receipt confirming their registration. They will be billed at a later date.

December 3 to January 23 (except January 19)

1. Bill Preparation: Students take their registration form and permit to register to the Office of Student Accounts, 2nd floor lobby of the Administration Building, to have a bill prepared. Between January 21 and 23, however, they go first to the Lecture Center and then follow the steps listed here.

2. Payment of Fees: Students then proceed to the Bursar's windows and pay current fees and any previous balance. They may charge their registration to VISA or MasterCard or pay by cash or check.

3. Completion of Registration: After settling their account with the Bursar, they submit their registration form to the Registrar. They will be given a computer-generated receipt confirming their registration.

Final Evening In-Person Registration

Students who did not register by mail or who cannot register in person during the day may register on campus on Tuesday evening, January 20, between 5:30 and 7:00 p.m. Registration begins in S-228 Social and Behavioral Sciences Building for new GSP/CED students. However, GSP and CED students who have already been admitted and issued permits-to-register should begin registration in the 2nd floor lobby of the Administration Building. Tuition and fees must be paid that night. A schedule of fees appears later in this section.

Late Registration Registration after the start of classes is considered late registration. The late registration period begins the first day of classes, Monday, January 26, and ends Friday, February 6. A late registration fee of \$20.00 will be charged during this period. Students must also have written permission of the instructor in order to late register for a course.

Non-Matriculated Graduate Student Registration

Students interested in taking graduate courses at Stony Brook but who do not wish to work for an advanced degree may apply for admission as non-matriculated graduate students, classified GSP. To be eligible for admission on this basis, students must hold a baccalaureate degree from an accredited college or university.

Students who are non-citizens on a student or other visa must also meet the U.S. Government's regulations governing study in this country by persons who are not citizens. The Office of Foreign Student Affairs has complete information available about these regulations.

Students may obtain applications for admission as non-matriculated graduate students from the Center for Continuing Education. No transcript or any other supporting documents are usually required, although CED may request a transcript or other testimony at its discretion. GSP applications are accepted through the first two weeks of classes, but to avoid registration

problems it is wise to submit them before the start of a semester. When admitted, GSP students are given permits to register, and all of the registration options described previously are open to them.

Any of the courses listed in this bulletin are open to non-matriculated graduate students who can meet the prerequisites, if any.

Students who plan to enter a graduate degree program should keep in mind that the maximum number of credits which can be earned at Stony Brook as a non-matriculated graduate student that may later be applied to any Stony Brook graduate degree is 12. Students must also fulfill each program's own admission requirements.

CED represents the University's non-matriculating graduate students (GSP), and its staff is available to help students with administrative or academic problems, other than admission to another department's graduate program. GSP students will receive a transcript of their grades at the end of each semester. These grades will figure into the grade point average with any other graduate work taken at Stony Brook.

Number of Credits for Which a CED or GSP Student May Register

Nine credit hours per semester hour is considered the maximum credit-hour load for a CED or GSP student. Students who wish to register for more than nine credits will have to obtain permission to do so from the Dean prior to registration. Without permission, they may not register for more than nine credits.

Registration in Non-CED Graduate Courses

CED and GSP students who wish to register for a graduate course other than one having CE in the course designator must obtain the permission of the instructor teaching the course. Registration in many of these other graduate courses is limited to matriculated students in the department offering the course. Some departments may accept qualified students on a space-available basis, however.

Registration in Undergraduate Courses

No undergraduate courses may be used to meet the requirements for the MA/LS or any other graduate degree at the University at Stony Brook.

Repetitive Credit

Students should never register for a course with the same number as a course previously taken unless the description clearly states that it may be taken for repetitive credit. Unless a course carries this statement, students will not receive credit for taking it a second time even if an instructor happens to change the course content to some extent. The exception to this rule is a special topics course, such as CEH 568 Great Traditions in Music, which may be taken more than once if the subheading is different each time.

A student who fails a course may repeat it. However, a passing grade will not wipe out the failing grade; both will be included in any calculation of a student's grade point average.

Auditing

Auditing is permitted by special arrangement between student and professor. No record is kept of courses audited and formal registration procedures are unnecessary. Stony Brook sponsors a special Senior Citizen Auditor's Program. Adults 60 years of age or older should call 632-7065 for information about this program.

Tuition and Fees

Students must pay all registration fees to the Bursar. The Center for Continuing Education is not empowered to collect registration fees and cannot be responsible for such fees sent to the CED office. Registration fees may be charged to VISA or MasterCard.

Application Fee: \$35.00 for students to matriculate into a degree program.

New York State Resident Tuition: \$90.00 per credit hour if registered for 1 to 11 credits.
\$1075.00 per semester if registered for 12 credits.

Out-of-State Resident Tuition: \$156.00 per credit hour if registered for 1 to 11 credits.
\$1867.50 per semester if registered for 12 credits.

College Fee (required of all students): 85 cents per credit hour for 1 to 11 credits.
\$12.50 per semester if registered for 12 credits.

Student Activity Fee: \$4.00

Vehicle Registration Fee: \$2.50

Lost I.D. Card Fee: \$3.00

Late Registration Fee: \$20.00 (applicable first day of classes, Monday, January 26, 1987)

Late Payment Fee: \$20.00

Returned Check Charge: \$5.00

Late Add/Drop Fee: \$10.00

Students who obtain permission from CED's Academic Standing Committee or the Dean to add or drop courses after the normal deadlines for doing so will be charged a fee of \$10.00 for each program change form processed by the Registrar.

Vehicle Registration Fee

Registration bills include a \$2.50 vehicle registration fee. This fee is now required of any student/staff/faculty member who brings a vehicle on campus.

Financial Charges

All fees and charges are to be paid in full or properly deferred prior to the first day of classes. Failure to satisfy this financial obligation will prevent a student from receiving academic credit, transcripts, diplomas, and certifications, as well as from registering for future semesters.

Changes in Registration and Withdrawals

Students who wish to make a change in their registration or withdraw from a course must follow the University's procedures for doing so. This is the only way to assure that they will receive credit for a course, obtain any refund they are entitled to, or avoid a failing grade on their academic record (F, I/F, or NR/F). Students who register by mail or in person before the start of classes *must* assume they are officially

registered, whether or not they receive any confirmation or bill or attend class. Students who change their minds about attending classes must still follow the procedures outlined below.

To Add or Drop a Course

CED or GSP students officially registered and wishing to make a change in their class schedule by adding or dropping a course have until Friday, February 20, 1987 to do so. Courses dropped by that date will be deleted from their record. They may not withdraw from a course after that date without withdrawing from the University, which means withdrawing from all courses taken that semester. (Note: Effective in Fall 1987 CED students will be able to drop courses only until the end of the second week of classes.)

Add/drop forms may be obtained from the Registrar or the CED office. *Once classes have begun, students must have the written permission of the instructor to add any course.*

Please note that students will be liable for part of the tuition for any course dropped after January 30, 1987, according to the Schedule of Tuition Liability shown in this section, unless a course of equal credit value is substituted by February 20, 1987.

To Make a Late Registration Change

To drop a course or to make any other registration change after February 20, 1987 students must petition the CED Committee on Academic Standing for approval to do so and must justify their failure to meet the deadline set for changes. If the petition is approved, a \$10.00 fee is required before the requested change can be made.

Students wishing to petition the Committee on Academic Standing should refer to the previous section entitled "Exceptions to Academic Regulations."

To Withdraw from All Courses

Graduate students wishing to withdraw from *all* courses for which they are registered have until Friday, May 15, 1987 to do so. To withdraw, they must notify the Registrar on the appropriate form, which may be obtained from either the Registrar or the CED office. Students must obtain a signature from an academic advisor on this form. Withdrawal from the University will be recorded on the student's permanent academic record only when the form has been completed and submitted to the Registrar. The official date of withdrawal is considered to be that on which this form is filed with the Registrar, *not* the date of the last class attended. *Non-attendance or notification to the instructor does not constitute formal withdrawal.* Failure to withdraw officially from a course will result in an F grade.

Financial Liability

Non-payment or failure to attend class *does not* constitute official withdrawal, which must be done through the Office of Records/Registrar.

Students who register by mail or in person must assume they are registered, whether or not they receive a confirmation or a bill. They will be held financially liable for their registration unless it is officially cancelled through the Office of Records/Registrar.

The date when students submit an official request to cancel their registration or drop a course determines their eligibility for a refund. Any refunds are made in accordance with the Schedule of Tuition Liability printed below.

Schedule of Tuition Liability

Liability from:	Liability	Refund
1/26/87 to 1/30/87	0%	100%
2/2/87 to 2/6/87	30%	70%
2/9/87 to 2/13/87	50%	50%
2/16/87 to 2/20/87	70%	30%
2/23/87 on	100%	0%

Refunds

Requests for refunds of tuition are to be made in writing to the Office of Student Accounts, 254 Administration Building. Certification of the effective date of course withdrawal or cancellation is made at the Office of Records/Registrar. (See the previous section entitled Changes in Registration and Withdrawals.) The certification date determines the amount of refund a student will be entitled to. (See the preceding Schedule of Tuition Liability.) The college fee, late payment fee, late registration fee, vehicle registration fee, and lost I.D. card fee are not refundable.

Requests for refunds of the student activity fee should also be addressed to the Office of Student Accounts. As determined by the Graduate Student Organization, full refunds of the student activity fee will be granted if a student withdraws within the first week of class. No refunds will be granted after that time.

No money will be refunded for tuition unless an application for a refund is made within one year after the end of the term for which the tuition requested was paid to the University.

Students should allow three to four weeks for processing any requested refunds.

I.D. Cards

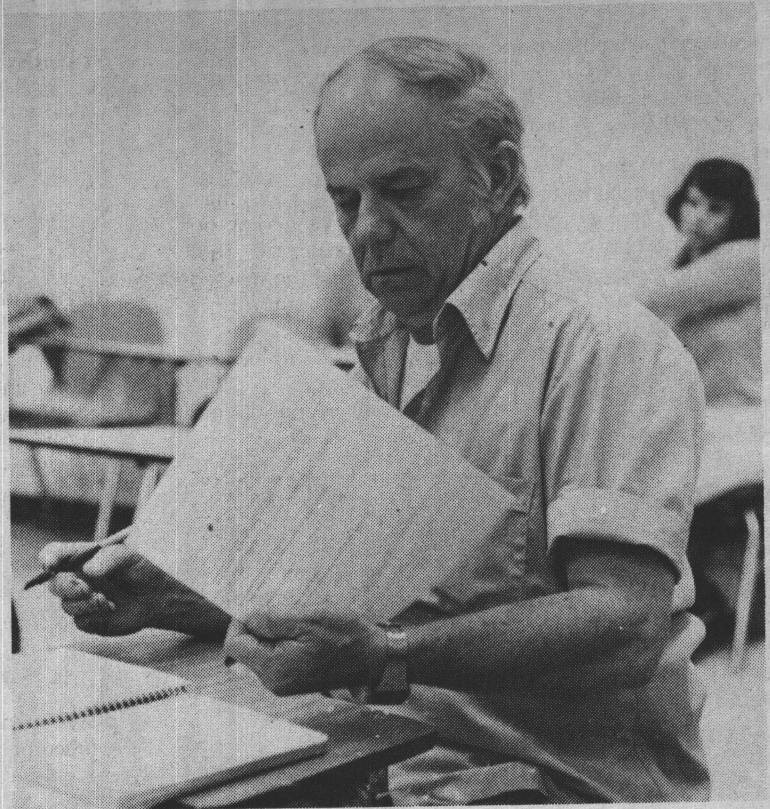
University policy requires that all students using the library and other campus facilities (gymnasium, tennis courts, bowling alley, etc.) and students wishing to obtain student rates for campus events have an I.D. card. The I.D. office is open Monday through Friday between 9:00 a.m. and 4:00 p.m. Students may obtain I.D. cards from that office by presenting a receipt for payment of registration fees or a confirmation of registration.

Students who already have I.D. cards should have them validated for each semester when they register. This can be taken care of at the I.D. office with proof of registration.

Part-time graduate students who are unable to get to campus by 4:00 p.m. can arrange to obtain an I.D. card or have one validated at the CED office until 7:00 p.m., Monday through Thursday, during the academic year while classes are in session, or until 5:00 p.m. on Friday and when classes are not in session.

Address and/or Name Change

Students should be sure to notify both CED and the Office of Records of any address or name changes that occur so that they will continue to receive registration information, grade reports, and other important correspondence from the University. If they wish to record a name change, the University must see some proof of the change such as a driver's license, passport, marriage certificate, court action papers, or Social Security card.



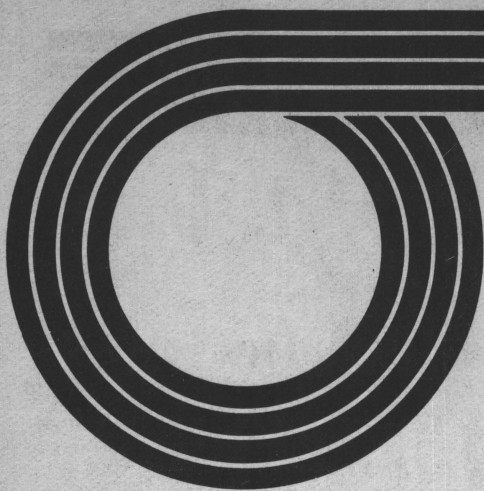
Spring 1987 Evening Graduate Courses

Changes in Course Listings

Students should always refer to the course updates that are available from the CED office. These updates show any changes in course offerings for the semester that occur after the course bulletin has been printed. Changes may include course additions, cancellations, or changes in the days or times a course is to be given.

Room Assignments

Classroom assignments for each semester's courses are not available until a few weeks before the semester begins. These will then be posted outside the CED office. Students may also call the Registrar at 632-6885 or the CED office at 632-7050 to find out where their class(es) will meet.



Off-Campus Courses

CED offers an array of evening graduate courses each semester at various Long Island extension sites for the convenience of its students who live or work some distance from campus. These courses are open to any college graduates, whether or not they are enrolled in Stony Brook's Master of Arts in Liberal Studies program. The evening graduate courses, both on and off campus, include a mix of students studying primarily for professional or personal interest as well as those studying toward the Master of Arts in Liberal Studies.

In addition to the courses at off-campus sites, CED occasionally offers radio courses on the campus radio station, WUSB 90.1 FM. In the radio courses students listen to twice-weekly radio lectures and meet as a group on campus five to six times a semester. Tapes of the radio lectures are also available in the Music Library.

While a number of extension courses are offered each semester, most of CED's evening graduate courses are held on campus. In addition, library and academic advising services are available only on campus.

Registration

It is sometimes possible to register for an off-campus course at the first class meeting, if space is still available. However, these courses fill quickly so prospective students who can't come to campus to register should call the CED office at 632-7050 to find out the enrollment status of any off-campus class they are interested in. They may also use the mail registration form in the back of this bulletin. Complete information on registration procedures is included in the preceding Registration section of this bulletin. Tuition and fees are due at the time of registration, except for students who have previously registered by mail.

Academic Advising

Students entering the MA/LS program are required to meet with an academic advisor as part of the admission process. However, any prospective student who wishes to discuss evening graduate study through the MA/LS program is welcome to do so. Appointments can be made by calling 632-7055.

Bay Shore High School

CEB 514 Long Island Geology
For course description see p. 24

Huntington High School

CEE 523 Reading in the Secondary School
For course description see p. 19

Huntington, Finley Junior High

EST 583 Computer Literacy
For course description see p. 26

Patchogue-Medford High School

CEE 508 Teaching Secondary Social Studies through the Humanities
For course description see p. 19

CEE 509 Children's Literature in the Elementary School
For course description see p. 19

Shoreham-Wading River High School

CEB 562 Land Use and Environmental Issues of Eastern Long Island
For course description see p. 25

CEC 543 Mainstreaming the Exceptional Child
For course description see p. 19

West Islip High School

CEC 546 Diagnosis and Educational Planning for the Learning Disabled
For course description see p. 19

CEM 535 Understanding Alcoholism
For course description see p. 22

Radio Course

CEH 570 American Popular Music
For course description see p. 23

Off-Campus Evening Program
Center for Continuing Education
The University at Stony Brook
Stony Brook, NY 11794-4310



Foundations Courses

Students who were admitted to the Master of Arts in Liberal Studies program under the requirements that became effective in the fall of 1984 are required to take one foundations course from each of the following three general subject areas: arts and humanities, natural and applied sciences, and social and behavioral sciences. This semester CED is offering the foundations courses listed below. (Note: Foundations courses are not available during the summer.)

Arts and Humanities

CEI 501:01 Foundations of the Humanities

Carole Kessner

An introduction to key concepts essential to further study in the humanities. Students will be exposed to works in literature, art, music, philosophy, and history which deal with such topics as the classical beginnings of literary theory, interdisciplinary perspectives on cultural history, the romance, and literature and psychology.

3 credits: AH (F)

Wednesday, 5:00-8:00 p.m.

CEI 514:01 Argumentative Analysis of Literature

Thomas Rogers

Systematic inquiry into a range of poems, short stories, and a novel to develop greater awareness of the processes of inference involved in reading literature perceptively; differentiating the kinds of inferential questions which may be asked of texts and exploring criteria for assessing answers; development of a useful conception of argument through the writing and analysis of argumentative essays.

3 credits: AH (F)

Monday, 6:00-9:00 p.m.

CEI 515:01 Art and Morals: Developmental Value Theories and their Educational Implications

Wendy Turgeon

This course will explore recent theories which use a Piagetian model of cognitive development to construct parallel models in the realms of moral and artistic: aesthetic experience. The course will review the work of Piaget, Kohlberg, Turiel, and Gilligan in the area of morals and the work of Lowenfeld and Gardner in aesthetics/art education. The goal will be a thorough study of the developmental models and their roots in historical theories, critique through practical applications, and the construction of educational structures for moral/aesthetic education in the home and classroom.

3 credits: AH (F)

Monday, 6:00-9:00 p.m.

CEI 527:01 The Myth of Rural America in Art and Literature

Lloyd Becker

Nature and the rural are central concerns of American art and literature. Our best writers and painters have helped to establish the image of a wild west whose freedom is an antidote to the restrictions of the confined, urban east. Yet, upon close examination, the frontier that emerges from our fiction and painting since the Civil War is frequently a place of violence and cruelty; the small town most often portrayed is a place of loneliness and hopelessness. This course will address that ambivalence via a survey of American prose, from the middle of the 19th to the early 20th century.

3 credits: AH (F)

Tuesday, 6:00-9:00 p.m.

PHI 516:01 Contemporary Moral Issues

Eva F. Kittay

Among the most difficult issues to resolve are ones that concern relations we have to those with whom we are closest: parents, children, friends, husbands, wives, and lovers. Are the obligations we have to those near to us different in nature from those we owe to others? Many of the pressing moral concerns of today—abortion, the rights of women, pornography, and euthanasia—concern relations with those with whom we are most intimate. This course will look at the way in which philosophy can provide some insight into moral issues which touch on these relations. But the more immediate personal relations are always set in a larger social context. They are affected by such issues as social justice and war, for example. We will also attend to the impact of these concerns.

3 credits: AH (F)

Wednesday, 5:00-8:00 p.m.

Natural and Applied Sciences

CEI 512:01 Foundations of the Natural & Applied Sciences: Mathematics

Alfred Adler

Using a liberal arts acquaintance with formal mathematics, the foundations of mathematics and the relations between mathematics and other disciplines will be explored. Topics will include mathematical methodology and discovery, laws of motion, aesthetics, linear programming, and the history of mathematics.

3 credits: NS (F)

Thursday, 6:00-9:00 p.m.

HIS 512:01 History and Science

Elizabeth Garber

This course integrates science and technology with historical narrative and

analysis using historical issues of 19th and 20th century history. These include the emergence of academic science, the development of industrial research labs, and the funding of science by industry; government and science, and science and war.

Prerequisite: Background in American and European history; permission of instructor (632-7500/7511)

3 credits: NS (F)

Tuesday, 6:00-9:00 p.m.

Social and Behavioral Sciences

CEI 502:01 Foundations of the Modern Social Sciences

Fred Weinstein

This course will explore the development of modern social theory, particularly the great issues of social stability and social change. The course will familiarize students with the concepts and language routinely used by scholars and commentators to interpret

historical and contemporary events. Students will read and discuss the classical contributions to theories of stability and change (e.g., Marx, Weber, Durkheim) and more recent contributions (e.g., Parsons). They will also read and discuss relevant psychoanalytic and anthropological contributions to these theories.

3 credits: SB (F)

Thursday, 5:00-8:00 p.m.

HIS 522:01 Origins of Modern American Culture and Society, 1860-Present

William Taylor

As a survey of issues in American history from 1865 to the present, this course's approach is intentionally eclectic. Readings will draw from social, cultural, and political history—but the emphasis of the course will be on the development of a modern American culture. This will be a discussion course, with each class session focused on a set of historical problems usually drawn from one book and a selection of articles. Written work will include a series of short essays, one of which will be in the form of a brief final examination.

Prerequisite: Background in American history; permission of instructor (632-7483)

3 credits: SB (F)

Thursday, 6:00-9:00 p.m.

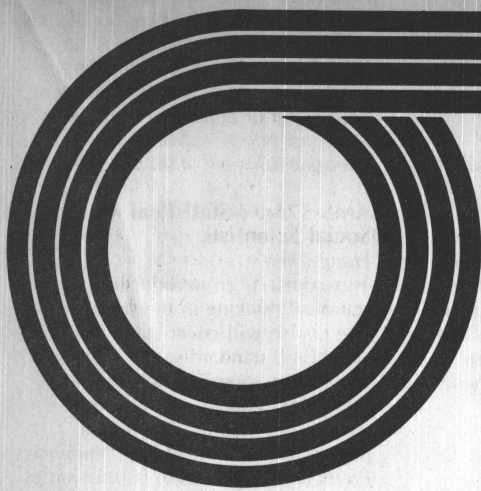
PHI 534:01 Philosophy of Law

Patrick Grim

A wide-ranging but systematic discussion of issues in ethics and the law. Topics will include particular cases such as perhaps the John W. Hinckley case, Salem witchcraft, *Roe v. Wade*, and the *Bakke* decision, but also more general controversial issues such as obscenity and pornography, capital punishment, the insanity defense, and abortion. The work of the course will also include a survey of important and conflicting traditions in legal theory.

3 credits: SB (F)

Monday, 6:00-9:00 p.m.



Departmental Courses

Allied Health Professions

HAS 505:01 Human Sexuality: Attitudes

Robert Hawkins

Presents issues related to sexual mores and folkways in contemporary life, including sexual relations, conception and contraception, sexual orientation, transsexuality, and other sexual issues.

Prerequisite: Permission of instructor (444-3240)

3 credits: SB

Tuesday, 5:00-8:00 p.m.

HAS 522:01 Educational Administration for Health Professionals/Issues

Nanci Rice

This interdisciplinary course will present current issues involved in the administration of educational programs for health professionals, e.g., admissions, accreditation, clinical education, continuing professional education, curriculum, faculty development. Students will demonstrate knowledge and skills through simulated case studies and decision-making exercises.

Prerequisite: Permission of instructor (444-3240)

3 credits: SB

Hours to be arranged

HAS 529:01 Patient Education

Nanci Rice

This course is designed to provide information on current trends in patient education program development. Special emphasis is given to techniques used by health professionals in planning, implementing and evaluating patient education programs in hospitals and other health care organizations concerned with the educational component of patient care.

Prerequisite: Permission of instructor (444-3240)

3 credits: SB

Hours to be arranged

HAS 537:01 Resource Management: Planning and Budgeting

Sherri Gorin

Describes the external forces that affect health care agency operation, increasing evolution of laws, agency regulations, and controls that apply to health organizations. Includes elements of planning and budgeting that apply to the internal functioning of health care institutions. Emphasis on development of management ability and departmental relationship to the total agency's activities.

Prerequisite: Permission of instructor (444-3240)

3 credits: SB

Wednesday, 6:00-9:00 p.m.

HAS 538:01 Health Economics and Public Policy

Alan Leiken

An in-depth analysis of the effects of economics policy on health care and the effects of public policy on the economy. Students will be introduced to basic economic and statistical concepts and will be taught to use these concepts to analyze health policy. The effect of HMO's, certificate of need legislation, PSRO's, and health insurance on hospital costs and utilization will be studied.

Prerequisite: Permission of instructor (444-3240)

3 credits: SB

Monday, 5:00-8:00 p.m.

HAS 562:01 Teaching Strategies for Health Professionals

Barbara Panessa-Warren

The course focuses on the practical aspects of teaching, including preparing lesson plans, delivery of lectures, use of audio-visual aids, and creating effective student-teacher relationships. Through

the use of video-taped lecture sessions, each student evaluates his or her own teaching techniques.

Prerequisite: Permission of instructor (444-3240)

3 credits: SB

Thursday, 5:00-8:00 p.m.

Also see courses under Health Sciences and Social Welfare.

Anthropology

CES 500:01 Comparative Civilizations

Robert F. Stevenson

A comparative study of processes of cultural evolution from the beginnings of farming to the achievement of civilization in different parts of the world.

3 credits: AH/SB/LS

Thursday, 6:00-9:00 p.m.

CES 502:01 Social and Cultural Anthropology

Robert F. Stevenson

An introduction to the forms of social organization, family, economics, politics, and religious beliefs among the simpler and more complex societies. Special emphasis will be placed on cross-cultural comparisons of male-female relations, personality structure, character formation and childrearing, and forms of social stratification and social control.

3 credits: AH/SB/LS

Tuesday, 6:00-9:00 p.m.

Applied Mathematics and Statistics

CEN 557:01 Uses and Misuses of Statistics

Instructor to be announced

After basic arithmetic, statistics is probably the most frequently encountered aspect of mathematics in daily life. The course will concentrate

on the logic of statistical reasoning: why, for example, an 8% gain followed by an 8% loss results in a net loss. Basic descriptive statistics and simple hypothesis-testing will be illustrated by real world problems. Emphasis will be on how statistics are commonly misused.

Prerequisite: One year of college mathematics or permission of department (632-8357)

3 credits: NS

Tuesday, 6:00-9:00 p.m.

AMS 501:01 Differential Equations and Boundary Value Problems I

Daniel Dicker

Examples of initial and boundary value problems in which differential equations arise. Existence of solutions, systems of linear differential equations and the fundamental solution matrix. Reduction to canonical forms and the matrix exponential. Sturm-Liouville theory and eigenfunction expansion. Green's functions.

Prerequisite: AMS 505; permission of department (632-8357)

3 credits: NS

Tuesday/Thursday, 4:00-5:30 p.m.

AMS 503:01 Applications of Complex Analysis

Woo Jong Kim

A study of those concepts and techniques in complex function theory which are of interest for their applications. Pertinent material is selected from the following topics: harmonic functions, calculus of residues, conformal mapping, and the argument principle. Application is made to problems in heat conduction, potential theory, fluid dynamics, and feedback systems.

Prerequisite: Permission of department (632-8357)

3 credits: NS

Tuesday/Thursday, 6:00-7:30 p.m.

AMS 506:01 Finite Structures

Roger Grimson

Problem-solving in combinatorial analysis and graph theory using generating functions, recurrence relations, Polya's enumeration formula, graph coloring, and network flows.

Prerequisite: Permission of department (632-8357)

3 credits: NS

Monday/Wednesday, 4:30-6:00 p.m.

AMS 507:01 Introduction to Applied Probability

Vaclav Dolezal

Sample spaces; conditional probability and independence, random variables and functions of random variables; binomial, Poisson, normal and other special distributions; moment-generating functions; law of large numbers and

central limit theorem; Markov chains. Applications to statistics.

Prerequisite: Departmental permission (632-8357)

3 credits: NS

Monday/Wednesday, 4:30-6:00 p.m.

AMS 527:01 Numerical Analysis II

Yung Ming Chen

Numerical integration. Solution of ordinary differential equations. Different methods for partial differential equations; consistency convergence and stability. Numerical solution of integral equations. AMS 527 may be taken whether or not the student has completed AMS 526.

Prerequisite: Permission of department (632-8357)

3 credits: NS

Tuesday/Thursday, 7:30-9:00 p.m.

AMS 535:01 Stochastic Processes

Rabah Amir

Review of probability theory. Poisson processes. Renewal theory. Markov processes. Applications to queues, statistics, and other problems of engineering and social sciences.

Prerequisite: Permission of department (632-8357)

3 credits: NS

Monday/Wednesday, 7:30-9:00 p.m.

AMS 536:01 Queuing Theory

Hussin Badr

Introduction to the mathematical aspects of congestion. Birth and death processes. Queues with service priorities and bulk service queues. Analysis of transient and steady state behavior. Estimation of parameters. Applications to engineering, economic, and other systems.

Prerequisite: AMS 507; permission of department (632-8357)

3 credits: NS

Tuesday/Thursday, 6:00-7:30 p.m.

AMS 542:01 Analysis of Algorithms

Ram Srivastav

Models of computation and associated time and space measures for complexity of algorithms in the various models.

Techniques for designing efficient algorithms, including choice of data structures, recursion, divide and conquer, and dynamic programming. Asymptotic behavior lower bounds on complexity and correctness of algorithms for sorting, set manipulation, graph operations, matrix multiplication, fast Fourier transform and pattern matching. Also covers non-determinism, NP-completeness, and intractability.

Prerequisite: CSE 521; permission of department (632-8357)

3 credits: NS

Monday/Wednesday, 6:00-7:30 p.m.

AMS 570:01 Mathematical Statistics I: Estimation

Hung Kung Liu

Sampling distribution of means and variances; introduction to moment calculations and order statistics. Theory of maximum likelihood estimates, Pitman estimates and sufficient statistics.

Parametric confidence intervals and fiducial intervals. Cramer-Rao bounds. Fisher's Information Matrix, other bounds on variance of estimators.

Prerequisite: AMS 312 or equivalent; permission of department (632-8357)

3 credits: NS

Tuesday/Thursday, 4:00-5:30 p.m.

AMS 576:01 Statistical Methods for Social Scientists

Hung Chen

This course is an introduction to statistical thinking in the social sciences. The course will cover statistical variability, standard scores, regression, correlation, sampling notions, estimation, confidence intervals, significance testing, conditional probability, and Bayesian manipulations.

Prerequisite: AMS 310; permission of department (632-8357)

3 credits: NS

Monday/Wednesday, 6:00-7:30 p.m.

Art

CEA 515:01 American Art: Ethics and Aesthetics

Irma Jaffe

The course will deal with the works of major painters and sculptors in American art, 18th century to the present. Emphasis will be placed on the relationship between, on one hand, the aesthetics and content of the art object, and, on the other, major moral and religious values that have been present in American society and have influenced American art. There will be assigned reading in American art, and recommended readings in American literature, history, philosophy, and religion.

3 credits: AH/LS

Thursday, 5:45-8:45 p.m.

CEH 512:01 Independent Reading or Field Projects in Art History and Criticism

Staff

Independent study for students with a background in art history/criticism or art education to read selectively or conduct a field project. The student's work and progress are discussed, evaluated, and criticized by the faculty sponsor during scheduled sessions. NOTE: Can be repeated to a maximum of 6 credits.

Prerequisite: Permission of instructor and chairperson. Contact Art Department for a faculty sponsor in your area of interest (632-7270)

3 credits: AH/LS

Days and times to be arranged.

CEH 514:01 Independent Study in Studio Art

Staff

Independent study on specific projects under the guidance of faculty and

technicians in the sculpture, painting and drawing, ceramics and ceramic sculpture, printmaking, or photography studios. NOTE: Can be repeated to a maximum of 6 credits.

Prerequisite: Permission of instructor and chairperson. Contact Art Department for a faculty sponsor in your area of interest (632-7270)

3 credits: AH

Days and times to be arranged.

ARH 546:01 Topics in 20th-Century Art

Donald Kuspit

Twentieth-century art considered as an international movement, European and American, though national groups may be studied. Emphasis will vary with topics ranging over stylistic analysis, iconographical interpretations, and theoretical studies. Students are expected to undertake original research and interpretation.

Prerequisite: Permission of instructor (632-7264)

3 credits: AH/LS

Monday, 7:00-10:00 p.m.

Comparative Literature

CEL 507:01 Fairy Tales and Society

Ruth B. Bottigheimer

Tales consist of fairy tales, folktales, burlesques, animal fables, jests, nonsense tales, and religious legends. As a group, these writings provided the impetus for the development of European folktale collections in the 19th century, while they form the basis for much psychoanalytic literature in the 20th century.

3 credits: AH/LS

Wednesday, 5:30-8:30 p.m.

Computer Science

CEN 561:01 Introduction to Computer Programming: PASCAL

Instructor to be announced

An introduction to the concepts of computer science including algorithms, problem-solving techniques, data structures and machine principles. Students will gain experience using the computer programming language PASCAL to solve a variety of problems. NOTE: Students will be expected to put in several hours of lab work each week on computer terminals in addition to class time.

3 credits: NS

Monday, 6:00-9:00 p.m.

Also see courses under Technology and Society.

Education

CEC 543:21 Mainstreaming the Exceptional Child

Joseph Hayward

This course will present a reference and a resource to enable teachers to obtain a more complete understanding of learning disorders. Regular and special educators will be introduced to current federal and state legislation that places many special-need students in the regular classroom. The committee of the handicapped, due process, and other pertinent information regarding school law in special education will be discussed. Simulations, case studies, and role playing are strong components of this course.

Remark: Meets in Room B-213 Shoreham-Wading River H.S., Route 25A, Shoreham beginning January 27. Tuition due by first class.

3 credits: SB

Tuesday, 7:00-10:00 p.m.

CEC 546:21 Diagnosis and Educational Planning for the Learning Disabled

Sidney Becker

The course focus is on evaluation and assessment of children in regular or specialized classrooms who have cognitive, sensory, and/or motor handicaps. Using a minimum of five children in their own or on-going classes, students will obtain applied laboratory experience in refining, implementing, and analyzing individual prescriptions. The course also includes analyses of individualization approaches and reporting and case conference techniques with school staff and parents.

Prerequisite: Introductory course in special education

Remark: Meets in Room 185, West Islip H.S., Higbie Lane beginning January 27. Tuition due by first class.

3 credits: SB

Tuesday, 7:00-10:00 p.m.

CEC 555:01 Psychology and Education of Emotionally Handicapped Students

Merrill Zusmer

This course will describe educational intervention strategies that teachers can use with students who exhibit maladaptive behavior patterns and experience social and academic failure. Practical techniques are described for use in both special and regular classrooms. The course will also cover development and learning styles, personality characteristics, situational stresses and strains, and how the teacher can maximize learning for special education students.

3 credits: SB

Monday, 5:30-8:30 p.m.

CEE 506:01 Change in Educational Settings

Martin Brooks

This course will examine issues of importance to teachers, ranging from specific, classroom-related issues to broader, philosophical issues. Topics

covered will include the dynamic interplay between the teaching and learning processes, the ramifications of the report by the National Committee on Excellence in Education, the dilemmas of supervision and evaluation, and research on how change occurs in educational settings.

3 credits: SB

Wednesday, 5:30-8:30 p.m.

CEE 508:21 Teaching Secondary Social Studies through the Humanities

Vincent Lombardi

Teaching humanities-based social studies in grades 7-12 requires a unique synthesis of history and the humanities—the fine and performing arts, literature, and philosophy—and these in turn help students understand better the universal, timeless continuities among societies past and present.

Remark: Meets in Room 247, Patchogue-Medford H.S., Buffalo Avenue, Medford beginning January 29. Tuition due by first class.

3 credits: AH/SB/LS

Thursday, 6:30-9:30 p.m.

CEE 509:21 Children's Literature in the Elementary School

Diane Mark-Kreutzer

The aim of the course is to develop an understanding of children and their literature. It will survey children's books of yesterday and today and will include experience with various types of literature: modern fantasy, poetry, contemporary realistic fiction, informational books, and biography.

Remark: Meets in Room 247, Patchogue-Medford H.S., Buffalo Avenue, Medford beginning January 27. Tuition due by first class.

3 credits: AH/SB

Tuesday, 6:30-9:30 p.m.

CEE 523:21 Reading in the Secondary School

Karen R. Taber

This course explores the psychological and linguistic foundations of current reading theories and instructional strategies that develop from their theoretical bases. It investigates literacy in schools and society, diagnostic concepts and tools, reading strategies in the content areas, speed reading, and the relationship of reading theory to literary criticism.

Remark: Meets in Room 130, Huntington H.S., Oakwood and McKay Roads beginning January 27. Tuition due by first class.

3 credits: SB

Tuesday, 7:00-10:00 p.m.

CEE 532:01 Workshop in Teaching Reading for Elementary School Teachers

Lillian Restaino-Baumann

An investigation into newer methods and materials of teaching reading:

diagnostic concepts and tools, the impact of socio- and psycholinguistics on reading, the role of the parent in the reading process, the role of the teacher in the reading process, the methods and materials for culturally diverse populations, programs for beginning readers, reading in the content field, word-attack skills in proper perspective, and comprehension and critical reading skills.

3 credits: SB

Monday, 5:00-8:00 p.m.

CEE 543:01 Social Issues in American Education

Alex Baskin

An historical examination of such social issues in American education as teacher militancy, merit pay, busing, minority group education, school decentralization, teacher competency exams, textbook selection, court decisions and education, tenure, and separation of church and state.

3 credits: SB/LS

Wednesday, 6:00-9:00 p.m.

CEH 517:01 Poetry in the Classroom

Leo Polaski

Poetry can be an accessible and fertile medium for encouraging students to express themselves, both orally and in writing. This course examines reading and interpreting poetry, gives practice in discussion and writing techniques, and investigates poetry's uses in the classroom.

3 credits: AH

Tuesday, 6:00-9:00 p.m.

Also see courses under Science.

English

EGL 501:01 Studies in Chaucer

Steve Spector

A close reading of Chaucer's work, with particular attention to the *Canterbury Tales*. No prior knowledge of Middle English required.

Prerequisite: Permission of Department (632-7373)

3 credits: AH/LS

Tuesday, 7:00-10:00 p.m.

EGL 502:01 Studies in Shakespeare

Joseph Pequigney

All the tragedies of Shakespeare will be read and his major tragedies discussed in class. The emphasis will be primarily on studying the individual plays and secondarily on consideration of Shakespeare's conceptions of tragedy.

Prerequisite: Permission of department (632-7373)

3 credits: AH/LS

Thursday, 4:00-7:00 p.m.

EGL 505:01 Studies in Genre: The Lyric from the Greeks to Shakespeare

Alice Wilson

A study of the lyric mode from the earliest Greek poets, Roman poets, medieval Latin and vernacular lyric with special emphasis on Provençal and Italian love lyric. We will end the course with the sonnet and its origin and development through Shakespeare.

Prerequisite: Permission of department (632-7373)

3 credits: AH/LS

Tuesday, 4:00-7:00 p.m.

EGL 506:01 History of Literary Criticism

Bruce Bashford

This course will introduce students to a series of important texts in the history of criticism by focusing on the Defense of Poetry Tradition. We will begin with Plato, who initiates the tradition by expelling the poets in *The Republic*, and then consider a line of authors who, at least implicitly, try to defend poetry against Plato's attack. Among the questions raised in this tradition are:

What is the social value of literature or of the study of literature? Does literature tell the truth? Does literature have to tell the truth in order to have value? Among the authors read will be Sidney, Wordsworth, Wilde, Croce, and Frye.

Prerequisite: Permission of department (632-7373)

3 credits: AH/LS

Monday/Wednesday, 7:00-8:30 p.m.

EGL 509:01 History of the English Language

Walter Scheps

An examination of English phonology, morphology, syntax, and dialectology.

Prerequisite: Permission of department (632-7373)

3 credits: AH/LS

Wednesday, 4:00-7:00 p.m.

EGL 510:01 Studies in Old English Language and Literature: Beowulf

Patricia Belanoff

Reading and translation of *Beowulf* and the *Finnsburh Fragment*. Some attention to backgrounds in Norse, archaeology, art, and folklore and to the interaction of oral and literate methods of composition.

Prerequisite: Permission of department (632-7373)

3 credits: AH/LS

Tuesday/Thursday, 2:30-4:00 p.m.

EGL 535:01 Studies in Neoclassicism: Argument as Literature, Literature as Argument

Homer Goldberg

The course will examine diverse Restoration and 18th-century literary embodiments of persuasive reasoning, including argumentative poems (Rochester's *Satyr Against Mankind*, Dryden's *Religio Laici*, Pope's *Essay on Man*), ironic arguments (Defoe's "Shortest Way with Dissenters," Swift's

"Argument Against Abolishing Christianity"), and rhetorically conceived prose fictions (Swift's *Gulliver's Travels*, Johnson's *Rasselas*), together with more complex or problematic models of literary persuasion (Dryden's *All for Love*, Congreve's *Way of the World*, Fielding's *Tom Jones*). As much as possible we will proceed by comparing and distinguishing generically related works, developing lines of analysis that participants may extend to other works on their own.

Prerequisite: Permission of department (632-7373)

3 credits: AH/LS

Monday/Wednesday, 2:30-4:00 p.m.

EGL 540:01 Studies in Romanticism: Byron and Shelley

Marlon Ross

Reading the works and lives of Byron and Shelley intertextually and placing them in their socio-historical context, we will examine the grounds of agreement and contention between the two writers. While analyzing these poets' careers in light of each other, we will also explore several theoretical issues that grow out of their literary dialogue: 1) What are the effects of literary influence on poetic identity? How do Byron and Shelley reshape their literary tradition, and how do they reshape each other as friends and rivals in that tradition? 2) Is there a "unified discourse" of Romanticism underlying the peculiarities of individual utterances? 3) What is the relation between personality and literary production? Major poems to be discussed include *Alastor, Julian and Maddalo*, *Prometheus Unbound*, *English Bards and Scotch Reviewers*, *Childe Harold's Pilgrimage*, *Cain*, and other works selected by the class.

Prerequisite: Permission of department (632-7373)

3 credits: AH/LS

Thursday, 1:00-4:00 p.m.

EGL 550:01 Studies in 20th-Century British Literature: Modern Drama

Rose Zimbardo

This course will begin by examining the foundations of 20th-century drama in Ibsen, Strindberg, Chekov, and Shaw; it will go on to investigate the movements and counter-movements that grew out of the work of these seminal figures. For example, the return to classical models in Yeats, Sartre, O'Neill; or, the search for primal models among the "folk" in Lorca, Singh; or the epic theatre of Brecht. The course will end with the investigation of Beckett and Genet as alternative terminals toward which the course of drama runs in the 20th century.

Prerequisite: Permission of department (632-7373)

3 credits: AH/LS

Monday, 4:00-7:00 p.m.

EGL 555:01 Studies in Irish Literature: Yeats and Politics of Culture

Thomas Flanagan

This course will examine the relationship between Yeats and Ireland. We will begin with his attempt to create what he thought of as a distinctly Irish literature and what he understood Ireland to be—as a society, a culture, a history. And we will move forward until we have reached his final position—defining himself not *within* his culture, but *against* it. Our concentration will be on Ireland and Yeats, but will raise larger questions as to the relationship between a writer and the general culture to which he responds and what at times he may seek consciously to shape.

Prerequisite: Permission of department (632-7373)

3 credits: AH/LS

Thursday, 7:00-10:00 p.m.

EGL 565:01 Studies in 19th-Century American Literature: American Renaissance

Paul Newlin

The course will do a close study of major works by Emerson, Thoreau, Hawthorne, Melville, and Whitman.

Prerequisite: Permission of department (632-7373)

3 credits: AH/LS

Wednesday, 7:00-10:00 p.m.

EGL 580:01 Poetry Workshop

William Harris

A poetry workshop, open to students of demonstrated, serious commitment to the advancement of their craft as poets. In addition to close reading of students' work in class, special attention will be paid to contemporary American poetry.

Prerequisite: Permission of instructor (632-7373)

3 credits: AH/LS

Tuesday, 4:00-7:00 p.m.

EGL 581:01 Fiction Workshop

Richard Elman

A graduate workshop in short and long forms of prose fiction. Participation in class criticism is important.

Approximately 70 pages of manuscript required for the semester.

Prerequisite: Permission of instructor (632-7373)

3 credits: AH/LS

Monday, 7:00-10:00 p.m.

EGL 583:01 Non-Fiction Workshop

Helen Cooper

This is a workshop in journal writing and autobiography; the former will be a means to the latter. We will read two or three 20th-century autobiographies, but the focus of the workshop will be on the participants' writing of their autobiographies.

Prerequisite: Permission of instructor (632-7373)

3 credits: AH/LS

Thursday, 4:00-7:00 p.m.

EGL 594:01 Contexts of Literary Study: Literature by Women: The Tradition in English

Helen Cooper

We will use as our text the recent *Norton Anthology of Literature by Women: The Tradition in English* edited by Sandra Gilbert and Susan Gubar. This sampling of the suppressed voices of women writers excluded, until recently, from the standard literary canon of both English and American Literature will introduce us to writings by women from the Middle Ages and the Renaissance; the 17th and 18th centuries; the 19th century; the turn-of-the-century; modernist literature; and contemporary literature. We will consider why these women's voices have been suppressed; whether there are any consistent concerns throughout this tradition; to what extent it shares the concerns of and differs from the tradition of literature by men; and whether conventional notions of periodicity as defined by the male canon are relevant to women writers.

Prerequisite: Permission of department (632-7373)

3 credits: AH/LS

Tuesday, 4:00-7:00 p.m.

French and Italian

FRN 501:01 Contemporary French Culture and Institutions

Oscar Haac

Analysis of contemporary French civilization through the study of the development of its historical, cultural, political, and social characteristics. Designed for potential teachers of French at the college level as well as in secondary schools, this course will emphasize and trace the evolution of the character and institutions of contemporary France.

Prerequisite: Fluency in French

3 credits: AH/LS

Thursday, 4:30-7:30 p.m.

FRN 510:01 Graduate Phonetics and Diction

Gisele Kapuscinski

Articulatory and acoustic analysis of the sound system of French. This course will include exercises stressing correct pronunciation, rhythm, and intonation patterns, as well as methods of self-correction. At least one hour of weekly laboratory work will be required.

Prerequisite: Fluency in French

3 credits: AH

Monday, 4:30-7:30 p.m.

FRN 521:01 Literature of the French Renaissance

Mark Whitney

A study of the major literary and cultural developments characteristic of the civilization of the Renaissance in France. The works of such writers as Rabelais, Du Bellay, Ronsard, and Montaigne will serve as both focus and starting point for broader inquiry into the artistic, social,

and cultural movements accompanying the rebirth of art and letters in France.

Prerequisite: Fluency in French

3 credits: AH/LS

Wednesday, 4:30-7:30 p.m.

FRN 541:01 18th-Century Novel: Rousseau and Diderot

Carol Blum

The affinities and antagonisms between Rousseau and Diderot transcended their lives as individuals to find expression in some of the Enlightenment's most provocative texts. We will read selected works in dialogic form, as a series of claims and rebuttals the two "frenes ennemis" wrote to each other as much as to the world. Texts will include Rousseau's *Premier Discours*, *Lettre a D'Alembert*, parts of the *Confessions* and of *Emile*; and Diderot's *Pensées Philosophiques*, *Le Neveu de Rameau*, *Le Supplement au Voyage de Bougainville*.

Prerequisite: Fluency in French

3 credits: AH/LS

Tuesday, 4:30-7:30 p.m.

ITL 501:01 Contemporary Italy

Mario B. Mignone

Analysis of contemporary Italy and its civilization through the study of the development of its historical, cultural, political, and social characteristics. Designed for potential teachers of Italian at the college as well as secondary school levels, this course will emphasize and trace the evolution of the character and institutions of contemporary Italy.

Prerequisite: Fluency in Italian

3 credits: AH/LS

Tuesday, 4:30-7:30 p.m.

ITL 508:01 Advanced Grammar and Stylistics

Charles Franco

This course is designed to analyze and discuss the finer points of Italian grammar and to investigate diverse styles in writing. Students will be expected to develop grammatical drills from elementary through advanced levels. Literary masterpieces will be translated from English to Italian in order to demonstrate types of style and possible alternatives in writing.

Prerequisite: Fluency in Italian

3 credits: AH

Wednesday, 4:30-7:30 p.m.

ITL 522:01 Italian Humanism and Renaissance Literature: L'umanesimo

Antonio Toscano

The course will examine the works of such writers as Petrarca, Salutati, Bruni, Pico, Pulci, Lorenzo de' Medici, Poliziano, Boiardo. Particular attention will be given to placing these writers within the context of evolution in the *Quattrocento* of Humanism from *Civile* to *Neoplatonic*.

Prerequisite: Fluency in Italian

3 credits: AH/LS

Monday, 4:30-7:30 p.m.

General Studies

CED 501:01 American Culture in the 20th Century

Alex Baskin

This panoramic survey of American urban life and thought will explore the numerous forces which have shaped and molded the modern mind. Among the various topics which will be discussed are the rise of the skyscraper and the architectural firm, film as art, the new publishing houses and new writers, and the role of the intellectual in society.

3 credits: AH/SB/LS

Monday, 6:00-9:00 p.m.

Health Sciences

CEM 535:21 Understanding Alcoholism

Thomas Walsh

Alcoholism is an enormous national problem, but most people do not know what it is or what can be done about it. This course will present the facts known today, dispel myths, and provide information about referral agencies.

An important course for teachers, employers, counselors, parents, or others who may have contact with the problem.

Remark: Meets in Room 185, West Islip H.S., Higbie Lane beginning January 26. Tuition due by first class.

3 credits: SB

Monday, 6:30-9:30 p.m.

Also see courses under Allied Health and Social Welfare.

Hispanic Languages and Literature

SPN 501:01 Historical Linguistics: History of the Language

Flora Klein-Andreu

General processes of language change, as exemplified by the development of the Romance languages with particular reference to Spanish.

Prerequisite: Fluency in Spanish

3 credits: AH/LS

Wednesday, 6:00-9:00 p.m.

SPN 523:01 Golden Age Literature: Celestina

Julio R. Puertolas

Major literary works within the Renaissance and/or Baroque periods will be read and analyzed in depth, and their interrelation with the cultural context will be discussed.

Prerequisite: Fluency in Spanish

3 credits: AH/LS

Wednesday, 2:00-5:00 p.m.

SPN 541:01 19th-Century Spanish Literature until the Generation of 1898: Galdos

Julio R. Puertolas

Major literary works within the period will be read and analyzed in depth, and their interrelation with the cultural context will be discussed.

Prerequisite: Fluency in Spanish

3 credits: AH/LS

Tuesday, 4:00-7:00 p.m.

SPN 543:01 20th-Century Spanish Literature: Unamuno

Adrian Montoro

Major literary works within the period will be read, analyzed, and discussed in depth, and their interrelation with the cultural context will be discussed.

Prerequisite: Fluency in Spanish

3 credits: AH/LS

Tuesday, 6:00-9:00 p.m.

History

CET 526:01 Understanding the Soviet Union

Gary Marker

In this course we will discuss various features of contemporary Soviet society, with a particular focus on everyday life. The course will be divided into three parts: historical background, a brief look at the Soviet social and political system, and a more detailed examination of the concrete features of life in the Soviet Union. Some of the topics to be examined will be education, standards of living, women, minorities, labor, and leisure.

3 credits: SB/LS

Tuesday, 6:00-9:00 p.m.

HIS 502:01 Introduction to Late Modern Europe

Werner Angress

Field seminar in late modern European history, 1789-1945. Surveys the major historical problems and interpretations from the French Revolution through the Second World War.

Prerequisite: Permission of instructor (632-7500)

3 credits: SB/LS

Monday, 4:00-7:00 p.m.

HIS 512: History and Science

Elizabeth Garber

This course integrates science and technology with historical narrative and analysis using historical issues of 19th and 20th century history. These include the emergence of academic science, the development of industrial research labs, and the funding of science by industry; government and science, and science and war.

Prerequisite: Background in American and European history; permission of instructor (632-7500/7511)

3 credits: NS/SB (F)

Tuesday, 6:00-9:00 p.m.

HIS 522:01 Origins of Modern American Culture and Society, 1860-Present

William Taylor

As a survey of issues in American history from 1865 to the present, this course's approach is intentionally eclectic. Readings will draw from social, cultural, and political history—but the emphasis of the course will be on the development of a modern American culture. This will be a discussion course, with each class session focused on a set of historical problems usually drawn from one book and a selection of articles.

Prerequisite: Background in American history; permission of instructor (632-7483)

3 credits: SB (F)

Thursday, 6:00-9:00 p.m.

HIS 542:01 State and Society: Political Movements in Post-Independence Latin America

Barbara Weinstein

Themes will include regionalism, intra-elite conflict, and the problem of state formation; the export economies and the rise of the central state; peasant resistance to state intrusion; repression and co-optation of working-class movements. The purpose is to examine as broadly as possible both the traditional and recent historiography of these topics.

Prerequisite: Permission of instructor (632-7509)

3 credits: SB (F)

Thursday, 6:00-9:00 p.m.

Industrial Management

EMP 502:01 Management Accounting and Financial Decision Analysis

David Brawerman

Fundamentals of managerial accounting with emphasis on cost accounting terms, concepts, ratio and break-even analysis, financial structure, cost analysis, opportunity costs and return calculations, replacement of assets, portfolio theory.

Remark: To be given at SUATC at Farmingdale

3 credits: NS

Monday, 7:00-10:00 p.m.

EMP 509:01 Management Information Systems

Kurt Fuchel

The flow of data in industrial and governmental organizations. How information is stored, analyzed and disseminated for various management tasks. The physical and logical organization of computer data

processing systems. Principles of file processing, data base management and information systems design.

3 credits: NS

Thursday, 7:00-10:00 p.m.

EMP 517:01 Quality Management

Frank Caplan

Quality is now being recognized as of strategic importance for manufacturing and service organizations. This course will provide opportunity for the students to explore numerous aspects of the Quality System approach to management, rather than statistical quality control techniques. Special attention will be given to the tailoring of the subject material to the actual situations existing in the students' organizations. Development of specific policies, objectives, and goals will take place, accompanied by the tools necessary to measure their accomplishment and impact.

3 credits: SB

Tuesday, 7:00-10:00 p.m.

Labor/Management Studies

CES 513:01 New Developments in Human Resource Administration

Frank Marlow

This is an advanced course, designed to communicate new professional concerns and developments to students who have acquired a grasp of the basics. In the past, the course has focused on such topics as Japanese methods of increasing productivity and their adaptation by American firms; developing union/management cooperation for productivity; special problems of affirmative action recruitment and ways of utilizing the Job Training Partnership Act to bring these constituencies into the workplace; the impact of the computer revolution on the personnel field, especially its role in simplifying and systematizing wage systems and making possible a "cafeteria" approach to benefits; the specialized personnel needs and problems of high tech firms seen from the viewpoint of employers, employees, and society as a whole; the major challenge of innovative job finding and training programs for the masses of blue collar workers rendered jobless in the smokestack industries.

3 credits: SB

Monday, 7:00-10:00 p.m.

CES 515:01 A Survey of Human Resource Administration

Matthew Procelli

The basic elements of personnel administration are presented with examples from leading businesses and industrial organizations: an overview of the human resource function; recruitment, selection, and placement; career development training; motivation and productivity; job classification and development of wage and benefit systems; employee supervision, counseling, discipline, and grievance handling. The legal framework of human

resource administration is summarized, and the more recent areas of emphasis—employee benefits, safety, and affirmative action—are introduced. The course concludes with an overview of the human resource approaches specific to union and non-union environments.

3 credits: SB

Wednesday, 7:00-10:00 p.m.

CES 524:01 Labor Negotiations Workshop

Harold Pryor

This workshop provides advanced training in goal-setting, bargaining strategy, and hands-on bargaining skills for management and trade union members engaged in, or interested in, contract negotiations. Start-to-finish negotiations, using current contracts, will center on three bargaining sectors: private industry, public sector organizations, and specialized organizations, such as railroads or teamsters.

Prerequisite: A course in labor relations or personnel or practical experience.

3 credits: SB

Tuesday, 7:00-10:00 p.m.

Mathematics

CEN 538:01 Theory of Numbers

Joel Spencer

Divisibility, prime numbers, perfect numbers, magic squares, congruences, pythagorean triples, continued fractions, and other selected topics in number theory.

3 credits: NS LS

Monday, 6:00-9:00 p.m.

MAT 512:01 Algebra for Teachers

Anthony Phillips

Linear algebra, the algebra of polynomials, algebraic properties of the complex numbers, number fields, solutions of equations.

Prerequisite: Permission of the Associate Director of Graduate Mathematics or instructor (632-8274).

3 credits: NS

Tuesday, 6:00-9:00 p.m.

MAT 516:01 Probability and Statistics for Teachers

Marie-Louise Michelsohn

A priori and empirical probabilities, conditional probability, mean and standard deviation, random variables, financial distributions, continuous distributions, sampling, estimation, decision making.

Prerequisite: Permission of the Associate Director of Graduate Mathematics or instructor (632-8274).

3 credits: NS

Wednesday, 6:00-9:00 p.m.

Music

CEH 570:21 American Popular Music

Peter Winkler

The course focuses on the principal genres of American popular music with emphasis on their cultural contexts and stylistic inter-relationships. The styles to be considered include blues, jazz, popular songs, country music, rhythm-and-blues, and rock. NOTE: The course will consist of 30 half-hour lectures to be broadcast on WUSB 90.1 FM, Monday and Wednesday evenings beginning January 28 from 6:00 to 6:30 p.m., plus six on-campus meetings to discuss issues raised in the lectures and in the reading materials that will be assigned.

Remark: The six on-campus meetings will be held in Fine Arts 2322 on Tuesday 1/27, 2/10, 2/24, 3/24, 4/7, and 5/12 from 6:30-9:30 p.m.

3 credits: AH/LS

Philosophy

PHI 516:01 Contemporary Moral Issues

Eva F. Kittay

Among the most difficult issues to resolve are ones that concern relations we have to those with whom we are closest: parents, children, friends, husbands, wives, and lovers. Are the obligations we have to those near to us different in nature from those we owe to others? Many of the pressing moral concerns of today—abortion, the rights of women, pornography, and euthanasia—concern relations with those with whom we are most intimate. This course will look at the way in which philosophy can provide some insight into moral issues which touch on these relations. But the more immediate personal relations are always set in a larger social context. They are affected by such issues as social justice and war, for example. We will also attend to the impact of these concerns.

3 credits: AH (F)

Wednesday, 5:00-8:00 p.m.

PHI 522:01 Ethical Issues: Management and Ethics

Anthony Weston

This course looks at management and public policy questions from an ethical perspective. We examine 1) the ethical foundations and limits of cost-benefit analysis and related economic decision-making principles; 2) alternative ethical frameworks, centering around the values of justice, respect, community, and freedom; and 3) specific ethical issues in management and public policy, such as professional responsibility, deception, preferential hiring, environmental issues, and others as the class decides.

Prerequisite: Permission of instructor (632-7590)

3 credits: AH/SB/LS

Wednesday, 5:30-8:30 p.m.

PHI 534:01 Philosophy of Law*Patrick Grim*

A wide-ranging but systematic discussion of issues in ethics and the law. Topics will include particular cases such as perhaps the John W. Hinckley case, Salem witchcraft, *Roe v. Wade*, and the Bakke decision, but also more general controversial issues such as obscenity and pornography, capital punishment, the insanity defense, and abortion. The course will also include a survey of important and conflicting traditions in legal theory.

3 credits: SB (F)

Monday, 6:00-9:00 p.m.

PHI 537:01 Philosophy of Technology*Marshall Spector*

It is a truism that we live in a highly technological society. This course will examine the nature of technology and its role in contemporary life by exploring the complex relations between technology and other aspects of our culture and experience (e.g., technology and social change, technology and science, technology and art, the nature of policy decisions and the role of the "experts" in making them). The impact of western scientific-industrial technology upon the environment will receive particular attention through an examination of the interrelations among environmental issues, economics, politics, values, and our underlying attitudes toward nature and toward ourselves.

3 credits: AH/SB/LS

Tuesday, 6:00-9:00 p.m.

PHI 571:01 American Philosophy*David Dilworth*

While taking note of early American thinkers and writers (Jonathan Edwards, Emerson, Thoreau, Melville, Whitman, etc.), the course will focus its analytical work on five American philosophers who have produced career texts of a major stature. These five are C.S. Pierce and William James (the co-founders of pragmatism), John Dewey, George Santayana, and Justus Buchler. We will compare these different frameworks of "American philosophy," and also investigate the relevance of their ideas to the larger history of world philosophy.

3 credits: AH/LS

Thursday, 6:00-9:00 p.m.

Physical Education**CEP 506:01 Physical Education and Sport in Comparative Perspective***Colin A. Martindale*

This course is designed to enhance an appreciation of sport and physical education in other countries of the world under similar and contrasting political systems. In the well-established

nations of the world sport and physical education philosophies differ in characteristic ways. In the newly developing nations, the role of sport and physical education is influenced by the particular governmental political philosophy and the historical background of sport within each particular region.

3 credits: SB

Thursday, 7:00-10:00 p.m.

CEP 514:01 The Study of Human Movement*Peter Raalf*

The applied anatomy and kinesiology will be discussed in reference to three major topics: anatomic and physiologic fundamentals of human motion, fundamentals of biomechanics, and principles and applications of motor skills. The major topics to be covered in reference to exercise physiology are the following: the physiology of energy sources, neuromuscular concepts, cardiorespiratory considerations, physical training applications, environmental aspects, and nutrition and body composition. NOTE: This course is part of the New York State Coaching Certification Program.

3 credits: NS/SB

Tuesday, 7:00-10:00 p.m.

Political Science**CEP 547:01 Politics of the Third World***Anna Kilambi*

An introduction to the development of political systems, structures and conditions in the Third World, from the independence period to the present, examining theoretical frameworks and focusing on case studies of countries in Latin America, Asia, and Africa.

3 credits: SB

Wednesday, 6:00-9:00 p.m.

POL 534:01 Intergovernmental Relations and Policy Delivery*Lee Koppelman*

The examination of the formulation, implementation, and impact of intergovernmental policy. Several policies are examined in depth, including grant-in-aid programs, general revenue sharing, housing and community development, and employment programs. The historical, economic, and political foundations of intergovernmental policy delivery systems are examined.

Prerequisite: Permission of instructor (632-7667)

3 credits: SB

Tuesday, 6:15-9:15 p.m.

POL 535:01 Public Policy Analysis and Evaluation*Charles Cameron*

This course concentrates on the strategies and methods of public policy analysis and evaluation. Skills stressed in the course include developing a research strategy and design, choosing measures, analyzing data and communicating results. Students develop a program evaluation of their own and partially conduct their research during the semester.

Prerequisite: Permission of instructor (632-7667)

3 credits: SB

Monday, 5:30-8:30 p.m.

POL 619:01 Government Regulation of Business*John Scholz*

An examination of the scope of government regulation of business in the U.S. today—regulation at both the federal and state levels, regulation by both "economic" and "social" agencies. The course will compare alternative explanations for regulatory agency failures as well as possible explanations for why some regulatory agencies perform better than others. Finally, the course will consider proposed reforms, such as clearer legislative standards, curbs on "revolving door" practices, greater citizen participation in agency proceedings, and deregulation.

Prerequisite: Permission of instructor (632-7667)

3 credits: SB

Thursday, 5:30-8:30 p.m.

Science**CEB 505:01 History of the Long Island Environment***Francis Turano*

This course will examine the role history has played in determining the present Long Island environment. It will include discussions of marine, fresh water, and land communities on Long Island.

Special emphasis will be placed on recognizing signs of past modifications.

3 credits: NS/SB/LS

Thursday, 6:00-9:00 p.m.

CEB 514:21 Long Island Geology*James Romansky*

An introduction to the geologic process: timelines, continental drift, vulcanism, beach processes, glaciation, running water, erosion and weathering, etc. The processes are related to the geologic development of Long Island. There will be two all-day mandatory field trips to observe Long Island geologic features.

Prerequisite: An introductory geology course, working knowledge of geology, or permission of instructor (979-7614)

Remark: Meets in Room 228, Bay Shore H.S., Third Ave. beginning January 29. Tuition due at first class. There are two

mandatory, all-day field trips on 5/2 and 5/9 to observe Long Island geologic features.

3 credits: NS

Thursday, 5:00-8:00 p.m.

CEB 529:01 Biology and Ethics

Elizabeth J. Mallon

A consideration of ethical problems growing out of recent developments in molecular biology, genetics, reproductive physiology, pharmacology and psychology, as well as other branches of the biological sciences. Topics include the ethical animal; evolutionary basis and the naturalistic fallacy; levels of organization and conflicting values; the ethics of the gene pool; senescence and the prolongation of life; death—necessity and dignity; and reproduction. NOTE: Same as BIO 571.

3 credits: AH/NS/LS

Tuesday, 5:00-8:00 p.m.

CEB 562:21 Land Use and Environmental Issues of Eastern Long Island

David F. Newton

A comprehensive examination of land use and environmental issues including farmland, pine barrens, coastal lands, wetlands, groundwater, and solid waste disposal. Planning, management, legal, administrative, and political aspects will be studied.

Remark: Meets in Room B-213, Shoreham-Wading River H.S., Route 25A, Shoreham beginning January 26. Tuition due by first class.

3 credits: NS/SB/LS

Monday, 6:00-9:00 p.m.

CEE 530:01 Current Developments in Elementary School Science

Fred Sterbenz, et al.

An examination of current developments and content in the teaching of elementary school science. Nationally developed curricula will be investigated, as well as laboratory activities and teacher/pupil interaction. Recommended for practicing elementary school teachers.

3 credits: NS/SB

Wednesday, 5:00-8:00 p.m.

CEN 508:01 Demonstrations in Chemistry

C.V. Krishnan

This course provides high school chemistry teachers with detailed instructions and background information for using chemical demonstrations in the classroom. Teachers will practice demonstrations that deal with gases, atomic structure, chemical bonding, periodic table, stoichiometry, equilibrium, acids and bases, redox reactions, and organic chemistry. The demonstrations also include chemiluminescence photochemistry, polymers, clock reactions, and

oscillating reactions. Discussions include safety aspects and disposal procedures.

Note: This course is for high school chemistry teachers.

3 credits: NS

Wednesday, 5:00-8:00 p.m.

CEN 511:01 Recent Discoveries in Astronomy

Roger Knacke

This course will cover developments in astronomy that have determined our current picture of the universe. The evolution of major ideas including the Copernican system, stellar evolution with nucleosynthesis, and the expanding universe will be traced in historical and scientific contexts. The latter part of the course will focus on unresolved issues in astronomy such as quasars and energetic sources, the nature of black holes, the creation of the Earth and Sun, and the origin and future of the universe.

3 credits: NS/LS

Monday, 7:00-10:00 p.m.

CEN 553:01 Seminar in Improving Science Teaching

Melanie Barron

This course will initiate understanding of current research in learning styles and brain dominance as applied to classroom instruction and lesson planning in secondary science education. It will focus on three areas: 1) an examination of the 4MAT System (created by Bernice McCarthy) as applied to science instruction; 2) the development of instructional strategies based on the learning styles of students; and 3) a review of some of the current research on education reform as it applies to high schools. Individual learning in one area of scientific inquiry is a requirement and will be integrated into the class sessions.

3 credits: NS/SB

Tuesday, 5:00-8:00 p.m.

CEN 599:01 Research in Science Education

Staff members of Center for Science, Mathematics, and Technology Education

Independent study in science education enables secondary school science teachers to develop a project of special interest to them and their school systems in fields such as science curriculum development, teaching methods, uses of new technology in science instruction, and science education research. Courses of study will be developed individually, and participants will make a seminar presentation on the results of their research projects.

Prerequisite: Active status as a secondary school teacher; permission of Center for Science, Mathematics, and Technology Education (632-7075)

3 credits: NS

Hours to be arranged

PHY 504:01 Methods of Mathematical Physics II

Instructor to be announced

A selection of mathematical techniques useful for physicists. Topics will be

selected from the following: linear vector spaces, matrices; Green's functions, complex analysis; differential equations, special functions, boundary value problems, integral transforms, integral equations, probability. This course should be taken only by entering graduate students who have a deficiency in this area.

Prerequisite: Permission of department (632-8066)

3 credits: NS

Days and times to be arranged.

Social Welfare

HWC 517:01 Psychopathology and Psychopharmacology

Instructor to be announced

An overview of the DSM III System of Classification of Mental Disorders. Emphasis on the social work component within the interdisciplinary team, with special emphasis on history and assessments. Introduces psychopharmacology, outlining the complexities involved in drug management such as side effects, risks, and changes over time. Also discusses implementation of the New York State Mental Hygiene Law. Critiques value systems involved in diagnosis and definition of disorder.

Prerequisite: Permission of Prof. Esther Marcus (444-3162)

3 credits: SB

Tuesday, 3:30-6:30 p.m.

HWC 525:01 Women and Health Care

Instructor to be announced

Identifies the systematic lack of quality in care offered to historically oppressed groups. Identifies rights and special needs of women as patients, family members, and citizens at large, which are infringed upon by laws, administrative policies, professional attitudes, and lack of programs. Seeks to develop new models of care for women which are based on peer control and reviews.

Prerequisite: Permission of Admissions Office (444-3141)

3 credits: SB

Thursday, 3:30-6:30 p.m.

HWC 549:01 Overview of Lesbian and Gay Issues

Ted Bohn

Examines the status of homoerotic individuals and groups within the United States in order that students may assess and intervene toward the goal of liberating lesbian women and gay men. Covers historical and current attitudes, the range of cultural oppression, special concerns of sub-groups, relationship and

sexual issues, and problems and needs of lesbians and gay men.

Prerequisite: Permission of Admissions Office (444-3141)

3 credits: SB

Wednesday, 12:45-3:45 p.m.

HWC 551:01 Law and Social Change

Ted Bohn

Introduces the interrelationship of the legal process in the U.S. and the profession of social work including the legal process in general and social welfare law in particular. Focuses on the implications for effective practice of social work.

Prerequisite: Permission of Admissions Office (444-3141)

3 credits: SB

Wednesday, 6:15-9:15 p.m.

HWC 585:01 Health and Social Planning

Reginald Wells

Provides a generic understanding of and exposure to the planning process used in the organization and delivery of health services. Explores the various backgrounds, lifestyles, and coping mechanisms of patients, with particular attention given to class, race, age, and sex and how the planning process includes or excludes these factors.

Prerequisite: Permission of Admissions Office (444-3141)

3 credits: SB

Tuesday, 3:30-6:30 p.m.

Also see courses under Allied Health and Health Sciences.

Technology and Society

CEN 594:01 Law and Technology

Jerry J. Cadwell

This course is designed for the layperson who wants to be informed about emerging technologies and the legal issues they raise. The course will consist of readings and discussions of widely varying subjects such as the relationship between law and science, science courts, right to jury trial in complex litigation, law and medicine, regulation of research, coping with technology through the legal process, and other similar topics.

3 credits: NS/SB/LS

Wednesday, 7:00-10:00 p.m.

EST 570:01 Design of Computer Courseware

Thomas T. Liao

The purpose of this course is to develop in the student the capability to develop

computer courseware modules in the student's discipline. Existing courseware modules will be described to illustrate the structure requirements of such modules. After each exposure, each student will select topics for courseware development from her/his discipline and will concentrate on module development under the individual guidance of the instructor. Students will implement the programs in microcomputers in the Laboratory for Personal Computers in Education.

Prerequisite: EST 565 or permission of instructor (632-8767)

3 credits: NS/SB

Tuesday, 5:30-8:30 p.m.

EST 571:01 Computer-Based Educational Technologies

David L. Ferguson

This course emphasizes the design and evaluation of computer-based educational technology systems. The uses of personal computers, intelligent video disks, games and other devices in education are examined. Students will learn state-of-the-art technology, contemporary uses, strategies for matching these technologies to the needs and characteristics of learners, ways of introducing these systems into learning environments and the evaluation of their effectiveness.

Prerequisite: EST 565 or permission of instructor (632-8763)

3 credits: NS/SB

Thursday, 5:30-8:30 p.m.

EST 582:01 Systems Approach to Human-Machine Systems

Sheldon J. Reaven

Applications of systems concepts (input-output, feedback, stability, information analysis) to the analysis of dynamic systems involving technology and society. Areas of study include automatic compensation of systems through use of feedback; stability and instability of urban systems, transportation, epidemics and economics; machines and systems for men; including communication and prosthetics.

Prerequisite: CEN 580 or permission of instructor (632-8768)

3 credits: NS/SB

Wednesday, 6:00-9:00 p.m.

EST 583 Computer Literacy

Students will develop a basic understanding of digital computers—how they work and their applications. Emphasis will be placed on applications and the social implications of the use of computers in education, business, artificial intelligence and robotics, medicine and government. Actual experience with the computer will include introduction to programming, algorithmic problem formulation, and running existing programs.

3 credits: NS/SB

Section 01: Nina Leonhardt

Monday, 5:30-8:30 p.m.

Section 21: Mike Divins

Remark: Section 21 meets in Room 224, Finley Junior H.S., Greenlawn Rd., Huntington beginning January 28.

Tuition due by first class.

Wednesday, 6:30-9:30 p.m.

Also see courses under Computer Science.

Theatre Arts

THR 503:01 Dramatic Literature: Theory, Criticism, and History

Carol Rosen

Major dramatic texts will be chosen for detailed study with emphasis on the playwright's style and on the playwright's relation to the dramatic tradition and to the public. These major texts will then be considered in light of a range of approaches to theatre criticism to illuminate their place in their own time, in our time, and in an historical context. This course complements THR 501 Theatre History.

Prerequisite: Permission of the Director of Graduate Studies (632-7275)

3 credits: AH/LS

Thursday, 4:00-7:00 p.m.

THR 504:01 Playwriting: Tradition and Practice

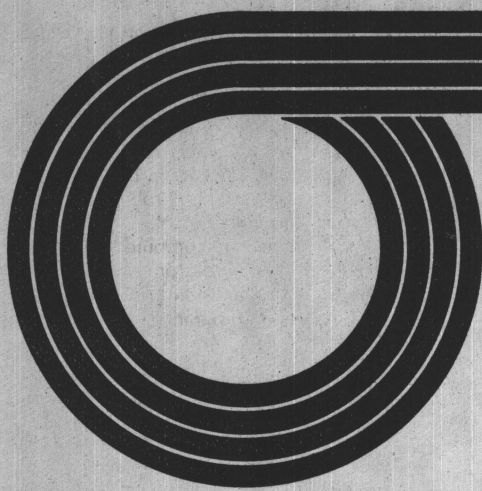
Jonathan Levy

A seminar devoted to a study of the tradition and practice of playwriting. The dynamics of dramatic construction—including narrative argument, formal structure, dialogue, and documentary and fictional source material—will be explored. The presentation of students' own plays in readings and workshop productions will enable them to study drama as a dynamic art rather than as one that exists only on paper.

Prerequisite: Permission of Graduate Director (632-7275)

3 credits: AH/LS

Tuesday, 4:00-7:00 p.m.



Special Areas of Part-Time Graduate Study

Several innovative part-time graduate study options are available through the Center for Continuing Education's Master of Arts in Liberal Studies program. Students who wish to pursue any of the areas of study listed below should enroll in the MA/LS program, following the procedures listed in this bulletin.

New York State Certificate in Labor/Management Studies

A state-approved Advanced Certificate is offered in Labor/Management Studies. This program invites the interest of graduate students seeking a multidisciplinary professional preparation that integrates theory with practice and stresses the opportunities and challenges confronting this expanding field today.

The Advanced Certificate will be awarded to students who successfully complete, with a B average or better, an 18-credit program to be selected from the courses listed below. One course may be substituted from another academic area, with the permission of the program director. Two courses are mandatory: CES 515 A Survey of Human Resource Administration, and CES 516 A Survey of Labor Relations. These courses provide an introduction to the field and are offered alternately every semester. Students are advised to take them at their earliest opportunity. The remaining 12 credits may be selected from the Labor/Management Studies curriculum and may include one outside course, as specified above.

The following courses are offered in Labor/Management Studies:

Labor Relations

CES 516 A Survey of Labor Relations
CES 518 Contemporary Issues in Labor Relations
CES 520 The Crisis of De-Industrialization
CES 521 From Bullets to Ballots: A History of Industrial Relations in America

Human Resource Administration

CES 511 Human Relations in the Workplace
CES 513 New Developments in Human Resource Administration
CES 515 A Survey of Human Resource Administration
CES 523 Human Resource Management in the Individual Firm or Organization

Bargaining and Benefits

CES 510 In Addition to Wages: Employee Benefits
CES 514 Collective Bargaining and Arbitration in the Public Sector
CES 519 Grievance Handling and Arbitration
CES 524 Labor Negotiations Workshop

Culture and Institutions

CES 512 The American Worker in Art, Film, and Fiction
CES 517 Women, Work, and Dollars
CES 522 Protest Movements in American Labor

Admission to this program is by approval of the program director, Professor Vera Rony. All inquiries should be addressed to Ms. Andrea O'Neill, Labor/Management Studies Administrator, SBS S-222, SUNY at Stony Brook, Stony Brook, NY 11794-4310; telephone 632-7770.

Coaching Accreditation

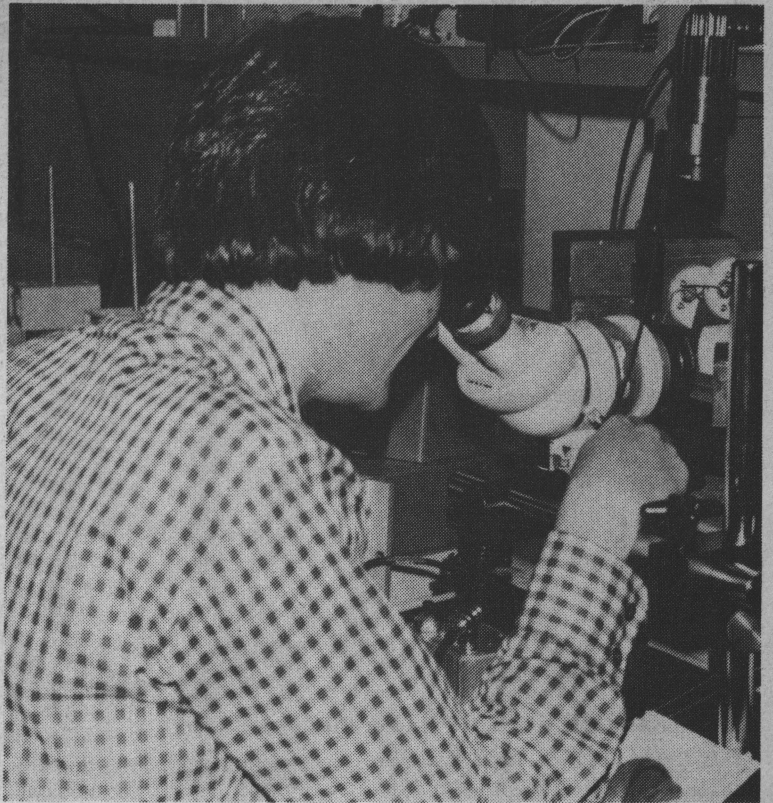
The Physical Education Department is authorized by the State Education Department to offer a coaching accreditation curriculum. The curriculum consists of a 12-credit package of graduate courses in the following required areas:

CEP 502 Principles of Coaching
CEP 507 Administrative Responsibilities in Physical Education
CEP 513 Care and Prevention of Athletic Injuries
CEP 514 The Study of Human Movement

Included in the Principles of Coaching course, for those pursuing coaching accreditation, will be a practicum in which prospective coaches will work closely with an established coach in a particular sport.

In addition to meeting the requirements for coaching accreditation, each of the above courses can also be used for graduate credit toward the MA/LS degree.

For further information call the Physical Education Department at 632-7200.



Other Part-Time Programs

The Undergraduate Evening Program

The Undergraduate Evening Program provides opportunity for study in a wide array of course areas and offers ten baccalaureate degree programs. Students in this evening program range from people who left college many years ago to recent community college graduates. Bachelor's degrees are offered in the following fields: art history/criticism, English, history, liberal arts, philosophy, political science, psychology, social sciences interdisciplinary, and sociology.

Information about the Undergraduate Evening Program can be obtained Monday through Friday from 9:00 a.m. to 5:00 p.m. and Tuesday evenings until 7:30 p.m. in the Office of Undergraduate Studies, Library E-3320; telephone 632-7080.

Other Part-Time Graduate Programs

Descriptions of a few of the master's programs (other than the MA/LS) available to part-time students will be found on the following pages. Students interested in receiving a booklet that describes all of Stony Brook's opportunities for graduate study should contact the Graduate School, SUNY at Stony Brook, Stony Brook, NY 11794-4433; telephone 632-7040. For information about a particular part-time graduate program, students may also call the department as listed below.

College of Arts and Sciences

Anthropology
632-7612

Art
632-7250

Comparative Literature
632-7460

English
632-7373

French and Italian
632-7440

Germanic and Slavic Languages
632-7360

Hispanic Languages and Literature
632-6943

History
632-7500

Linguistics
632-7777

Mathematics
632-8282

Philosophy
632-7570

Social and Behavioral Sciences Interdisciplinary Study
632-7685

Theatre Arts
632-7300

College of Engineering and Applied Sciences

Applied Mathematics and Statistics
632-8360

Electrical Engineering
632-8399

Materials Science
632-8498

Mechanical Engineering
632-8319

Technological Systems
632-8770

Graduate Studies in Atmospheric Sciences
632-8202

Master of Arts in Mathematics (Secondary Teacher Option)

The Mathematics Department offers a Secondary Teacher Option in its master's program. Students must complete a program of 30 graduate credits approved by the associate director of the graduate program and pass the Secondary Teacher Option Comprehensive Examinations. These examinations consist of the final examinations of the core courses for teachers: Algebra

for Teachers, Analysis for Teachers I and II, and Geometry for Teachers. Normally, the required program includes a total of nine one-semester required courses (27 credits). One elective course, subject to the approval of the associate director of the graduate program, may be taken to complete the required 30 credits. The courses in the Secondary Teacher Option are offered in the evening and during the summer. Variations of this program will be considered for approval. For example, a student with a strong mathematics background may wish to replace other graduate courses in mathematics, or in exceptional cases, with more education-oriented courses. There will normally be no opportunities for students in this option to take supervised student teaching.

For application forms and additional information, write:

Professor William Lister
Associate Director, Graduate Program
Department of Mathematics
SUNY at Stony Brook
Stony Brook, NY 11794-3651

Master of Science in Industrial Management

Industrial managers must make critical decisions and formulate strategies which depend on emerging technology, changing patterns of financing, and varying labor market skills. This 30-credit program in industrial management leads to a Master of Science degree which prepares engineers, social scientists, physical scientists, and other professionals for careers in technical or general management. Courses are offered in the evening at times and locations convenient to the residents of Suffolk and eastern Nassau counties.

Students select five out of seven core courses in such fields as economics, political science, labor-management relations, operations research, statistics, and other disciplines which relate, for example, to the management of technology-based companies. In addition, an understanding of the basic principles of accounting, in some cases to be gained through self-study, is required.

Students applying to the industrial management program should have a bachelor's degree in applied mathematics, engineering, or one of the physical or social and behavioral sciences.

For further information or application forms, write:

Arthur W. Gilmore, Director
Industrial Management Program
Department of Technology and Society
SUNY at Stony Brook
Stony Brook, NY 11794-2250

Master of Science in Technological Systems Management

This 30-credit curriculum is designed for all professionals interested in the systematic planning and use of technological systems. Educators can take advantage of special courses in educational computing which emphasize the use of microcomputers. Other professionals can focus on technological planning and policy. The program is primarily concerned with developing the ability to relate theoretical concepts to real-world problems in the classroom and in curriculum development, as well as in business, industry, and government.

MS Program Requirements

1. Five required courses (3 credits each) as follows: CEN 580, EST 581, EST 582, EST 583, and EST 590
2. Recommended electives (15 credits)
3. Master's project

Applications and additional information may be obtained from:

Professor Thomas Liao
Department of Technology and Society
SUNY at Stony Brook
Stony Brook, NY 11794-2250

Graduate Studies in Management and Policy

The W. Averell Harriman College of Policy Analysis and Public Management offers graduate courses and concentrations in business enterprise, nonprofit management, and public policy. Courses in these three areas of management are offered at night for the convenience of students employed in industry, nonprofit organizations, or government.

Several options are available. Students may take individual courses for professional purposes, work toward a certificate by taking six courses in a particular area such as labor management, or may study toward a degree part-time by completing thirteen 3-credit classroom courses and six 3-credit field courses. The in-class courses consist of four decision-analytic courses, three people-oriented courses, and six managerial courses that focus on either the private, nonprofit, or public sectors.

Students interested in entrepreneurship, new ventures, and the management of high tech firms should consider the business enterprise concentration. Students interested in managing human services, health services, trade associations, and interest groups should look at the nonprofit concentration. Students committed to more effective and efficient government services ought to focus on the public policy courses and concentration.

For more information or application forms, contact:

Professor Owen Carroll
Director of Graduate Studies
W. Averell Harriman College for
Policy Analysis and Public Management
SUNY at Stony Brook
Stony Brook, NY 11794-3775

Master of Science in Applied Mathematics and Statistics

The Department of Applied Mathematics and Statistics offers programs of graduate study in modern applied mathematics, with specialization in operations research and applied statistics, as well as in applied mathematics. Graduate students trained in these disciplines are prepared for careers in government and industry in which mathematics is used as a computational or conceptual tool.

The part-time programs in the Department of Applied Mathematics and Statistics have been designed to enable men and women who are employed full-time to pursue graduate study in the above-mentioned tracks. The 30-credit M.S. program is open to qualified applicants who hold degrees in applied mathematics, mathe-

tics, engineering, physical sciences, life sciences, or social sciences with a strong background in undergraduate mathematics. Qualified part-time students may continue beyond the master's degree for the Ph.D.

For additional information, write to:

Ms. Esther Weitzman
Department of Applied Mathematics and Statistics
SUNY at Stony Brook
Stony Brook, NY 11794-3600

Master of Arts in Philosophy (Philosophical Perspectives)

The Master of Arts in Philosophy with graduate study in philosophical perspectives emphasizes the application of philosophical perspectives to current moral, social, and political problems. Students explore important issues in areas such as education, law, medicine, science and technology, art, religion, and human relationships.

The curriculum is designed primarily for those with educational backgrounds or experience or expectations in areas other than philosophy. Because of its strong emphasis on the philosophical understanding of other areas it is not recommended as merely a step toward further academic training in philosophy.

A small core of required courses forms an integral part of the curriculum, although most of the 30 credits in philosophy are elective. A master's thesis is also required. For those currently teaching in high schools, the supervised introduction of a philosophy course at their schools may substitute for the thesis.

All courses are scheduled in the evening or on Saturdays. For further information about the requirements or about transferring from the MA/LS program, call Professor Marshall Spector or Martha Naszady at 632-7580.

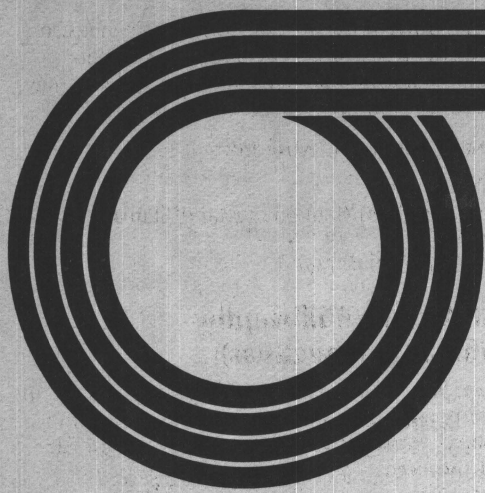
Master of Arts in Anthropology (Applied Anthropology)

A concentration in applied anthropology is intended primarily to prepare students to work in community, governmental, and business institutions with environmental, developmental, historical, archaeological (including contract archaeological), cultural, and social issues and problems.

The minimal requirement is 30 graduate credits, with a B average, and a master's project and thesis. Study tracks for the applied anthropology concentration are specialized, with major emphasis in archaeology, contemporary society, or another specialty approved by the guidance committee. Internships and other types of practical experience can be arranged.

Applications and additional information may be obtained from:

Director, M.A. Program
Applied Anthropology Committee
Department of Anthropology
SUNY at Stony Brook
Stony Brook, NY 11794-4364



Professional Licensing Programs

Real Estate Licensing Program

The Center for Continuing Education offers real estate licensing courses which have been approved for certification by New York's Department of State. These courses enable persons to meet the state licensing requirements to become a licensed salesperson, broker, or appraiser, or to renew licenses.

The spring course schedule will include the courses listed below. It will also include courses in real estate investment, property management, and residential real estate taxes, as well as several specialized seminars. Details of these programs will be available after December 15, 1986.

Real Estate Salesperson's Course 100.1/Fee: \$195

Section I begins February 25, 1987, Monday/Wednesday, 9:00 a.m.-12:15 p.m.

Section II begins February 24, 1987, Tuesday/Thursday, 7:00-10:15 p.m.

Section III begins March 23, Monday/Wednesday, 7:00-10:15 p.m.

The real estate salesperson's course is for beginners seeking to enter the real estate business and for licensed real estate salespersons seeking to meet the prerequisite to become a real estate broker. Persons desiring to become real estate salespeople have to take the real estate salesperson's course and, on successful completion, can apply to take the State licensing examination.

This course is designed to meet the requirement for and have application toward the 90 hours required to become a real estate broker. In addition, the course serves to meet the Department of State continuing education requirement through October 31, 1987 for individuals attempting to qualify for a license.

The course topics include real estate instruments, law of agency, real estate financing, human rights and fair housing, closing and closing costs, land use regulations, real estate mathematics, valuation and listing procedures, law of contracts, and license law and ethics.

Real Estate Broker's Course 100.2/Fee: \$195

Begins February 24, 1987, Tuesday/Thursday, 7:00-10:15 p.m.

Successful completion of this course, coupled with the experience requirement, meets the education requirement of 90 hours to become a real estate broker. This course also meets the continuing education requirement through October 31, 1987.

The real estate salesperson's course 100.1 is a prerequisite to this course. Students must present evidence of successful completion of the first 45 hours of an approved salesperson's course. A photocopy of the salesperson's certificate is sufficient evidence and will be needed for enrollment.

The course topics include operation of a real estate office, general business law, construction, subdivision and development, taxes and assessments, investment property, voluntary and involuntary alienation, property management, condominiums and cooperatives, appraisal, advertising, and rent regulations.

Continuing Education Course 110.0/Fee: \$275

Principles of Residential Real Estate Appraising

Begins Tuesday, February 24, 1987, 7:00-10:15 p.m.

This 45-hour course reviews basic appraisal techniques while examining in depth each step of the appraisal process and the factors affecting real estate value. Emphasis will be placed on the basic principles of residential real estate appraising. Topics will include basic concepts of value, forces, and factors influencing values, principles of real estate valuation—the appraisal process, residential construction awareness, land valuation, cost approach, depreciation, sales comparison approach, income approach, correlation and reconciliation of value indicators, single-family residence and report writing. The course will also review the FHLMC report, single-family residence, and introduce the multi-family residence and condominium form.

This 45-hour course is approved by the Department of State for those individuals seeking to satisfy their NYS Real Estate educational requirement through October 31, 1987.

For those individuals seeking to further their knowledge and career in the field of appraising, an optional

examination will be given at the end of the course. Successful completion of the examination satisfies a portion of the requirement for a professional designation in the National Association of Independent Fee Appraisers.

Continuing Education Course 110.1/Fee: \$275

Advanced Residential Appraising Begins Saturday, February 26, 1987, 9:00 a.m.-12:15 p.m.

This course is the next step after taking the basic Principles of Residential Real Estate Appraising course. It will study in detail the appraisal process using extensive evaluation through the cost method and market extractions. There will be a FHLMC appraisal form case study. Included in this course will be a fieldwork visit to a subject property as well as a visit to county offices to demonstrate ways of researching appraisal information.

Continuing Education Course 112.0/Fee: \$95

Land Regulation and Development Trends Begins Thursday, February 26, 1987, 7:00-10:15 p.m.

This 15-hour module presents current requirements, the time needed for various approvals, and the common problems associated with the subdivision process. Regulations having a major impact on land development will be discussed, as will recent trends in local regulation of housing occupancy and construction. Topics will also include commercial and industrial development of land, and the course will review innovative land regulation practices.

Continuing Education Course 113.0/Fee: \$95

Law for the Broker Begins Thursday, April 2, 1987, 7:00-10:15 p.m.

This 15-hour module is designed to give the real estate broker current legal information pertaining to the real estate industry. The topics to be discussed are advanced general business law, broker's liability, broker's commissions, business organizations for brokers, and an update on condominiums and cooperatives.

Continuing Education Course 114.0/Fee: \$95

Real Estate Financing Begins Wednesday, March 25, 1987, 7:00-10:15 p.m.

This 15-hour module will review the importance of financing in the real estate industry and will cover up-to-date information on financing. Topics to be discussed will include a brief history of real estate financing from 1934 to the present; how to qualify the buyer; the different types of conventional, FHA, and VA mortgages; and other miscellaneous types of mortgages (bridge loans, jumbo loans, etc.).

Insurance Licensing Program

The Center for Continuing Education offers insurance licensing courses which have been approved for certification by New York's Department of State. The two courses, Casualty Insurance 200.1 and Risk and Property Management 200.2, comprise the 96-hour qualifying course and are offered in alternate semesters. The following course will be given in Spring 1987:

Risk and Property Management 200.2/Fee: \$275 Begins Monday, February 9, 1987, 6:00-9:00 p.m.

This qualifying course covers one-half of the educational licensing requirement to become an insurance agent or broker. The course is approved by New York State's Insurance Licensing Department. Topics covered include multiple peril policy packages, fidelity and surety, ocean and inland marine, fire insurance, valued policy, anti-coinsurance laws, extended coverage, flood insurance, business interruption insurance, insuring others, consequential losses, and fire insurance rates and rate making. An examination will be given at the completion of this course.

For further information or to receive a brochure giving complete details of either the Real Estate or Insurance Licensing programs, call Jane O'Brien, Coordinator, at 632-7068.

Amateur Radio Licensing Classes

Each semester amateur radio licensing classes are offered in preparation for the FCC Novice, General, and Advanced Class licensing exams. For further information call 632-7070.

I wish to register for the following course:

- Real Estate Salesperson's Course 100.1 / Fee: \$195
- Section I Section II Section III
- Real Estate Broker's Course 100.2 / Fee: \$195
- Continuing Education Course 110.0 / Fee: \$275
- Continuing Education Course 110.1 / Fee: \$275
- Continuing Education Module 112.0 / Fee: \$95
- Continuing Education Module 113.0 / Fee: \$95
- Continuing Education Module 114.0 / Fee: \$95
- Insurance Risk and Property Management / Spring 1987, Fee: \$275

Name _____ Daytime Phone _____

Address _____ Evening Phone _____

_____ Social Security # _____

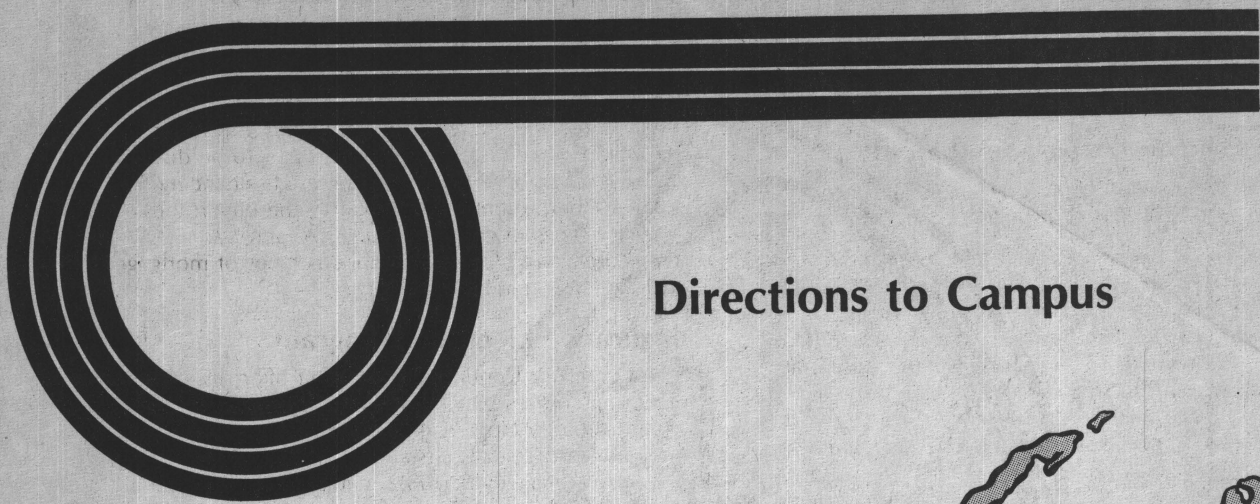
Make checks payable to: SUNY at Stony Brook #90012.

MasterCard # _____

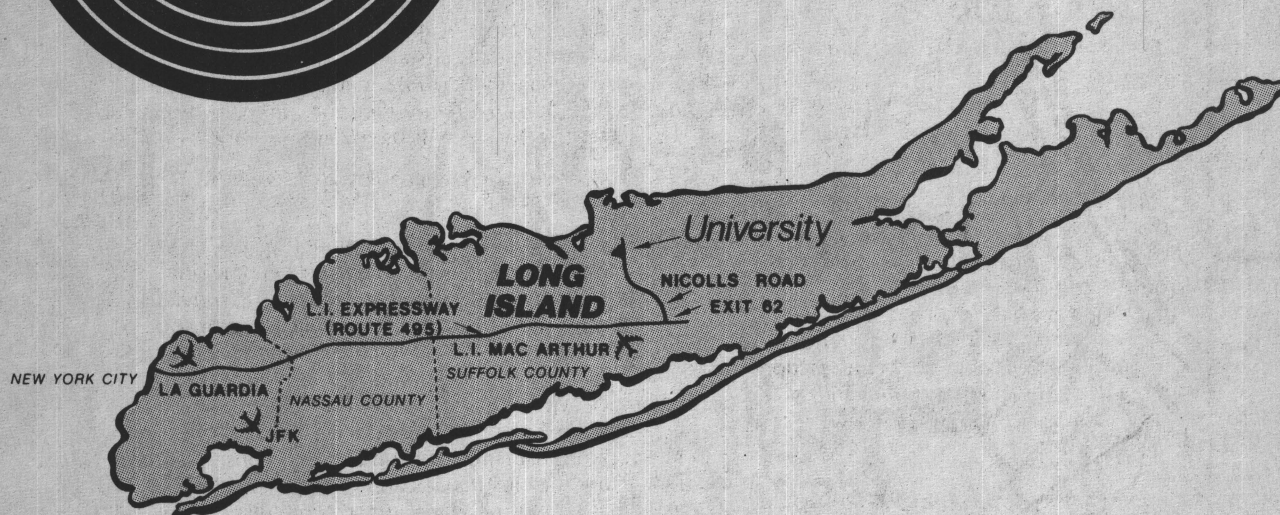
Visa # _____

Expiration Date _____ Signature _____

Mail to:
Center for Continuing Education
The University at Stony Brook
Stony Brook, New York 11794-4314



Directions to Campus



How To Reach Stony Brook

By Car: Take the Long Island Expressway (Route 495) east from the Queens-Midtown Tunnel (Manhattan) or from the Throgs Neck or Whitestone Bridges (Bronx). Turn off at Exit 62 and follow Nicolls Road (Route 97) north for nine miles.

By Bus: Use the Coram Bus Service which provides routes from Coram, Port Jefferson, Lake Grove, Smithaven Mall, St. James, and East Setauket to about 10 stops on campus. For schedules, rates, and routes call 732-5518.

By Railroad: Take the Long Island Railroad's Port Jefferson line from Penn Station (Manhattan) or Flatbush Avenue Station (Brooklyn). Change trains at Jamaica or Huntington, per timetable, for Stony Brook. Cross the tracks for free campus bus.

Parking

During the Day: There are two parking garages on campus. One is located next to the Administration Building; the other is located at the north end of the Health Sciences Center (east campus). In addition, a parking lot is located near the University Hospital. The fee for parking in the garages and that lot is 50 cents an hour or fraction thereof, with a maximum charge of \$3.00 per day.

Free parking is available during the day in the North and South "P" lots, with bus service (see below) from

there to various areas of the main campus and Health Sciences Center.

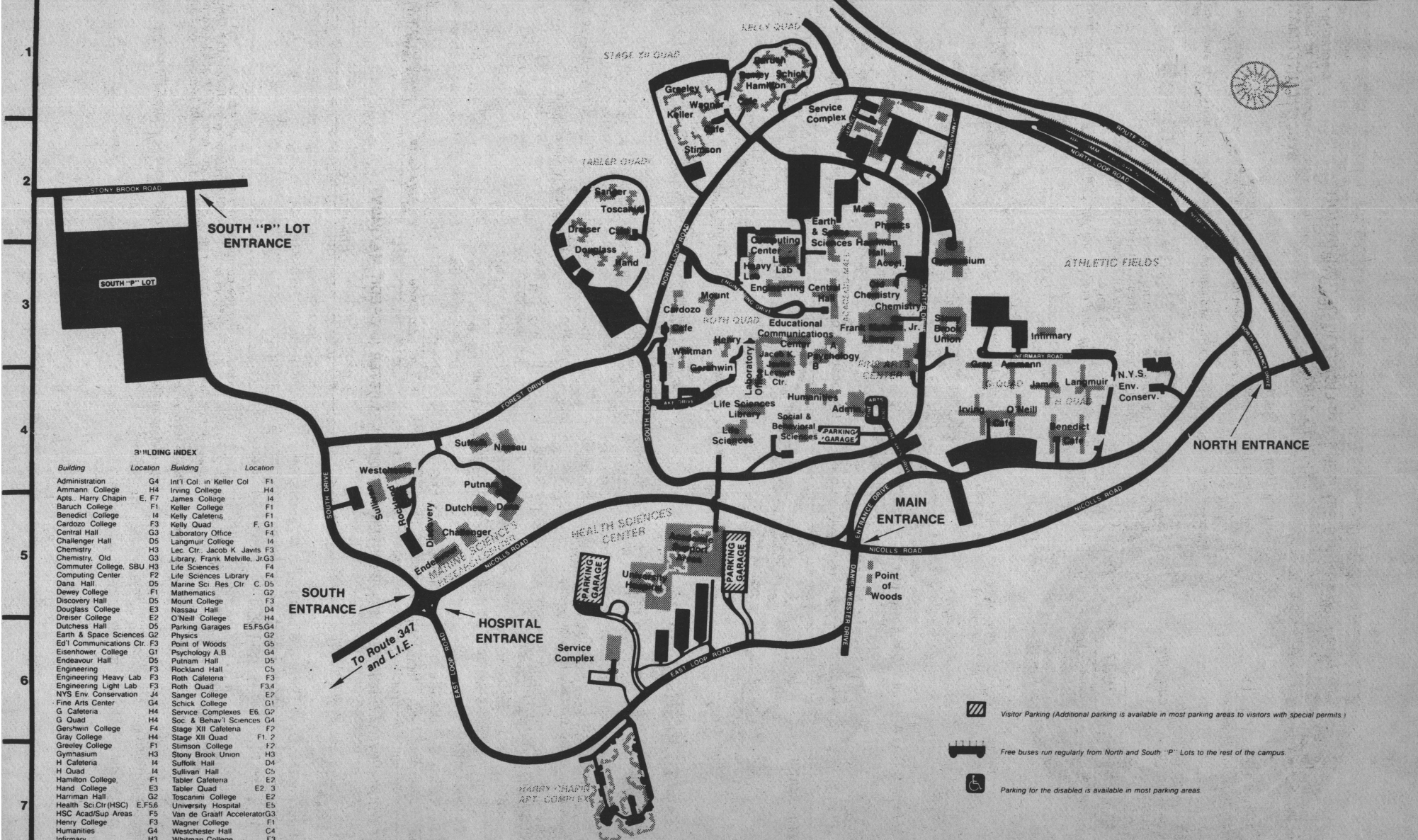
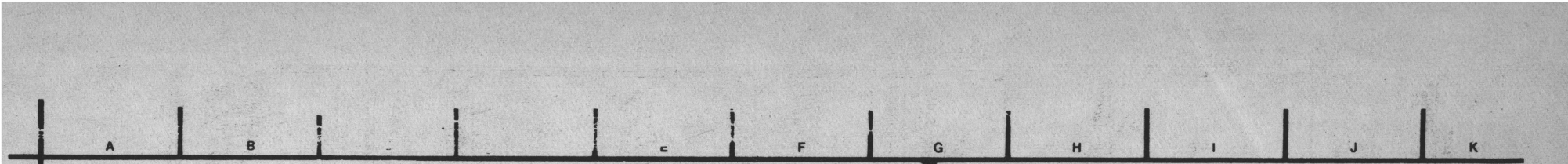
The South "P" lot is located at the south entrance of the campus, on the corner of Stony Brook Road. The North "P" lot is located near the north entrance of the campus, across from the LIRR station.

During the Evening: Between 5:30 and 11:00 p.m. evening students and visitors to special events may park in the campus garages for a flat fee of \$1.00.

Free parking is available after 4:00 p.m. in any parking lot reserved for "Faculty and Staff," as well as in the North and South "P" lots.




Bus Schedule

Bus service is available to all points on campus, including the Health Sciences Center and University Hospital. Commuter buses leave the South "P" lot (for commuter and visitor parking) every five minutes between 7:30 a.m. and 6:30 p.m. and every half-hour until 11:00 p.m., Monday through Friday.



BUILDING INDEX

Building	Location	Building	Location
Administration	G4	Int'l Col. in Keller Col	F1
Ammann College	H4	Irving College	H4
Apts. Harry Chapin	E, F7	James College	I4
Baruch College	F1	Keller College	F1
Benedict College	I4	Kelly Cafeteria	F1
Cardozo College	F3	Kelly Quad	F, G1
Central Hall	G3	Laboratory Office	F4
Challenger Hall	D5	Langmuir College	I4
Chemistry	H3	Lec. Ctr. Jacob K. Javits	F3
Chemistry, Old	G3	Library, Frank Melville, Jr	G3
Commuter College, SBU	H3	Life Sciences	F4
Computing Center	F2	Life Sciences Library	F4
Dana Hall	D5	Manne Sci. Res. Ctr.	G, D5
Dewey College	F1	Mathematics	G2
Discovery Hall	D5	Mount College	F3
Douglass College	E3	Nassau Hall	D4
Drexler College	E2	O'Neil College	H4
Dutchess Hall	D5	Parking Garages	E5, F5, G4
Earth & Space Sciences	G2	Physics	G5
EdI Communications Ctr.	F3	Point of Woods	G5
Eisenhower College	G1	Psychology A, B	G4
Endeavour Hall	D5	Putnam Hall	D5
Engineering	F3	Rockland Hall	C5
Engineering Heavy Lab	F3	Roth Cafeteria	F3
Engineering Light Lab	F3	Roth Quad	F3,4
NYS Env. Conservation	J4	Sanger College	E2
Fine Arts Center	G4	Schick College	G1
G Cafeteria	H4	Service Complexes	E6, G2
G Quad	H4	Soc. & Behav'l Sciences	G4
Gershwin College	F4	Stage XII Cafeteria	F2
Gray College	H4	Stage XII Quad	F1, 2
Greely College	F1	Stimson College	F2
Gymnasium	H3	Stony Brook Union	H3
H Cafeteria	I4	Suffolk Hall	D4
H Quad	I4	Sullivan Hall	C5
Hamilton College	F1	Tabler Cafeteria	E2
Hand College	E3	Tabler Quad	E2, 3
Harriman Hall	G2	Toscanini College	E2
Health Sci. Ctr. (HSC)	E, F5,6	University Hospital	E5
HSC Acad/Sup Areas	F5	Van de Graaff Accelerator	G3
Henry College	F3	Wagner College	F1
Humanities	G4	Westchester Hall	C4
Infirmary	H3	Whitman College	F3

-  Visitor Parking (Additional parking is available in most parking areas to visitors with special permits.)
-  Free buses run regularly from North and South 'P' Lots to the rest of the campus.
-  Parking for the disabled is available in most parking areas.

FEE COMPUTATION WORKSHEET

(For use only by graduate students NOT currently enrolled at Stony Brook)

The registration form on the reverse side and this worksheet are to be completed only by *new* non-matriculated graduate students who are registering for courses *for the first time*. (See directions on reverse side). Complete both sides of this form in order for your registration to be processed. Enclose payment as indicated in the boxes below. The following fees are required:

Tuition \$ 90 per credit (NYS Resident)
\$156 per credit (Out-of-State)

Student Activity Fee: \$4.00 per semester
College Fee: \$.85 per credit
Vehicle Registration Fee: \$2.50 per semester

	<u>3 credits</u>	<u>6 credits</u>	<u>9 credits</u>
NYS	\$270.05	\$551.60	\$ 824.15
Out-of-State	\$477.05	\$947.60	\$1,418.15

Please Note: The maximum number of credits you may register for is nine.

Total No. of Credits _____ Amount Enclosed/Charged \$ _____

Print your name and Social Security No. on this line

Payment may be made by check (payable to SUNY at Stony Brook) or by VISA/MasterCard (complete authorization form below). *Forms received without payment, charge card authorization, or completion of reverse side of this form will be returned.*

Return this form, along with payment (or credit card authorization) to:

P.O. Box 619, Department CED, Stony Brook, New York 11790

SUNY at STONY BROOK

AUTHORIZATION FOR USE OF VISA/MasterCard

BURSAR'S OFFICE

I, _____ (please print), authorize the State University of New York at Stony Brook to charge my

VISA Account No.: _____ Valid Dates: _____ thru _____

MasterCard Account No.: _____

MasterCard Interbank No.: _____ Valid Dates: _____ thru _____

For: \$ _____ Student Home Phone No.: () _____

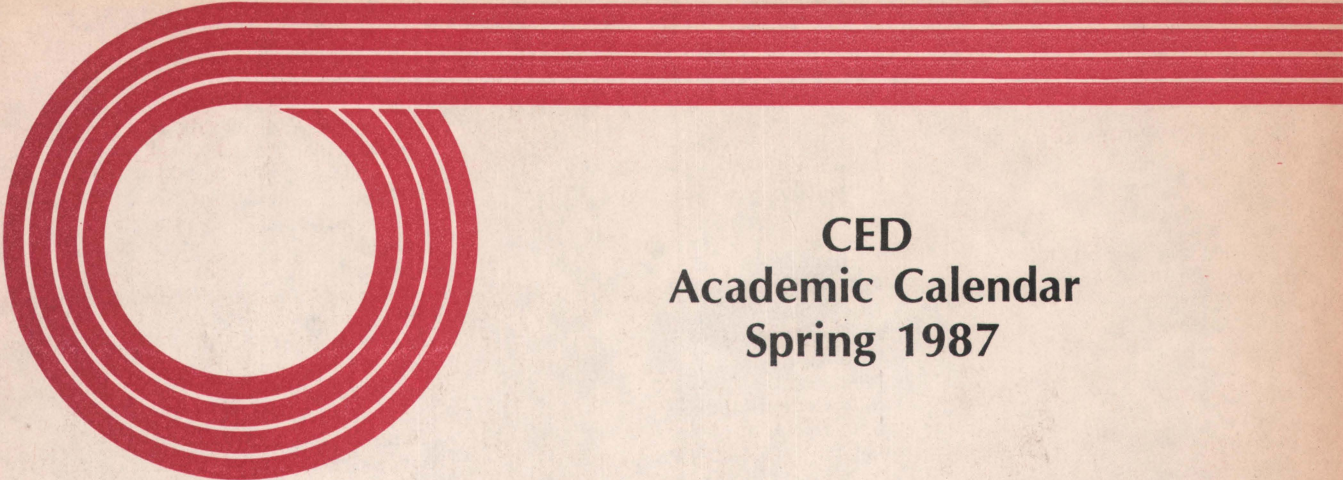
Name of Student: _____ Student ID No.: _____
Last First M.I.

Address: _____

Cardholder's Signature: _____ Date: _____

Index

- Academic Honesty/8
- Academic Regulations/8
- Address and/or Name Change/12
- Addresses Students Should Know/2
- Admissions
 - Foreign students/5*
 - MA/LS/4*
- Advisement/5
- Allied Health Professions/17
- Amateur Radio Licensing/32
- Anthropology/17, 30
- Applied Mathematics and Statistics/17, 30
- Art/18
- Bookstore/2
- Bus Schedule/33
- Calendar, Academic/back cover
- Campus Map/34
- Center for Continuing Education (CED)
 - Academic advising/5*
 - MA/LS/4*
 - Office hours/5*
 - Professional Licensing Programs/31*
- Certification, NYS Teaching/5
- Coaching Accreditation/27
- Comparative Literature/19
- Computer Courses
 - Computer Science/19*
 - Technology and Society/26*
- Courses
 - Adding or dropping/12*
 - Changes and cancellations/13*
 - Classification of/7*
 - Foundations courses/15*
 - Graduate listing/13*
 - Off-campus/14*
 - Professional Licensing Programs/31*
 - Room Assignments/13*
 - Withdrawing from/11*
- Directions to Stony Brook/33
- Education/19
- English/20
- Evening Course Listings/13
- Extension Courses/14
- Financial Information, Graduate
 - Charges/11*
 - Non-payment, financial liability/10*
 - Refunds/11*
 - Tuition and fees/11*
 - Tuition liability/12*
 - Vehicle Registration Fee/11*
- Foreign Students, Graduate/5
- Foundations Courses/15
- French and Italian/21
- General Studies/22
- Grading System/7
- Graduate Programs, Part-Time
 - Graduate School/28*
 - Arts and Sciences/29*
 - Engineering and Applied Sciences/29*
- Graduation/9
- GSP Students/10
- Health Sciences/17
- Hispanic Languages/22
- History/22
- Identification Cards/12
- Independent Study/6
- Industrial Management/22, 29
- Insurance Licensing Program/32
- Italian/21
- Labor/Management Studies/23, 27
- Liability Schedule/12
- Master of Arts in Liberal Studies
 - Academic advising/5*
 - Academic regulations/8*
 - Admission requirements/4*
 - Application process/4*
 - Classification of courses/7*
 - Courses/13*
 - Credit limitations/6, 11*
 - Degree requirements/5*
 - Essay requirement/7*
 - Grades and transcripts/7*
 - Graduation/9*
 - Independent study/6*
 - Registration/9*
 - Transfer credits/6*
- Master's Programs
 - Anthropology/30*
 - Applied Mathematics and Statistics/30*
 - Industrial Management/29*
 - Liberal Studies/4*
 - Management and Policy/30*
 - Mathematics Teaching/29*
 - Philosophical Perspectives/30*
 - Technological Systems Management/29*
- Mathematics/23, 29
- Music/23
- Name and/or Address Change/12
- Non-Matriculated Students/10
- NYS Teaching Certification/4
- Off-Campus Courses/14
- Office Hours/14
- Parking/33
- Part-Time Graduate Study
 - Center for Continuing Education/3*
 - Non-CED programs/28*
 - Special areas of/27*
- Philosophy/23, 30
- Physical Education
 - Coaching accreditation/27*
 - Courses/24*
- Political Science/24
- Professional Licensing Programs/31
- Radio
 - Courses/14, 23*
 - Amateur radio licensing classes/32*
- Real Estate Licensing Courses/31
- Refunds/11
- Registration
 - Auditing/11*
 - Changes in/11*
 - Credit limit/11*
 - Final evening in-person/10*
 - Late registration/10*
 - Mail/10*
 - Non-CED courses/11*
 - Non-matriculated graduate students/10*
 - Repetitive credit/11*
 - Undergraduate courses/11*
 - Walk-in/10*
- Repetitive credit/11
- Science/24
- Social Welfare/25
- Special Areas of Part-Time Graduate Study/27
- Student Responsibilities/8
- Teaching Certification/5
- Technology and Society/26
- Technological Systems/29
- Telephone Numbers/2
- Theatre Arts/26
- Transcripts/8
- Transfer Credits, Graduate/6
- Tuition
 - Graduate/11*
 - Liability schedule/12*
- Undergraduate Evening Program/28
- Where to Call/2
- Withdrawal from Courses/11



CED Academic Calendar Spring 1987

Spring 1987 Semester

January 21-23, Wednesday-Friday

Final registration and payment (or proper deferral) of fees for all students not previously registered (schedule announced prior to registration).

January 20, Tuesday

Evening registration from 5:30 to 7:00 p.m.

January 26, Monday

Classes begin. Late registration period begins with a \$20.00 late fee assessed.

January 28, Wednesday

Senior citizen auditor program registration in N-244 Social and Behavioral Sciences Building, from 10:00 a.m. to 3:00 p.m.; telephone 632-7065 for information.

January 30, Friday

Last day for all students to drop a course or all courses without tuition liability.

February 6, Friday

End of late registration period. Last day to file for May graduation. Graduate students (except CED) file at Graduate School office; CED students file at CED office.

February 20, Friday

Last day for graduate students to add or drop a course without a W (withdrawal) grade being reported.

March 16, Monday

Last day for removal of **I** (Incomplete) and **NR** (No Record) grades from fall semester.

April 10, Friday

Spring recess begins at close of classes.

April 20, Monday

Classes resume. Graduate student advance registration for fall semester begins (schedule announced prior to registration).

May 4, Monday

Registration begins for Summer Session 1987 with fees payable at time of registration.

May 15, Friday

Last day of classes; last day to withdraw from the University.

May 18, Monday

Final examinations begin. Final grades due in Registrar's Office 48 weekday hours after last class meeting or scheduled examination.

May 22, Friday

Final examinations end. Spring semester ends.

May 24, Sunday

Commencement.

Summer Session (tentative)

Term I

June 1-July 10

Term II

July 13-August 21

**Center for Continuing Education
State University of New York at Stony Brook
Stony Brook, NY 11794-4310**

Nonprofit Org.
U.S. POSTAGE
PAID
Stony Brook, N.Y.
Permit No. 65