

Stony Brook

ced

Fall 1984

Master of Arts
in Liberal Studies
Graduate Courses
and
Undergraduate Evening
Program Courses

For Reference
Not to be taken from this room

Center for Continuing Education

State University of New York at Stony Brook

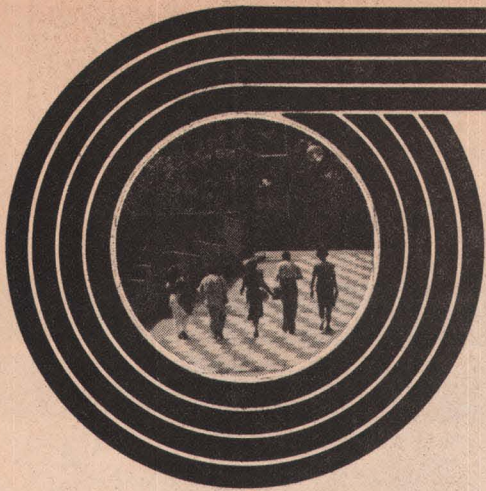


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Centerfold

State University of New York at Stony Brook
Open to the public
Non-credit programs

Photo Credits Dan Cornish, HSC
Photography Service, Maxine Hicks, Orest
Jarosiewicz

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Where to Call

Center for Continuing Education/246-5936

N-201 Social and Behavioral Sciences Building

Academic Advisement

Center for Continuing Education/246-3301
Undergraduate Evening Program/246-3420

Bookstore/246-3666

Stony Brook Union, first floor

Bursar/246-3470

261 Administration Building

Financial Aid/246-7010

230 Administration Building

Graduate School/246-5945

2401 Lab Office Building

I.D. Office/246-6157

191 Administration

Library (main)/246-5975

Public Safety/246-3333

144 Administration Building

Records/Registrar/246-5120

276 Administration Building

Student Accounts/246-5100

254 Administration Building

Undergraduate Admissions/246-5126

118 Administration Building

Undergraduate Evening Program/246-3420

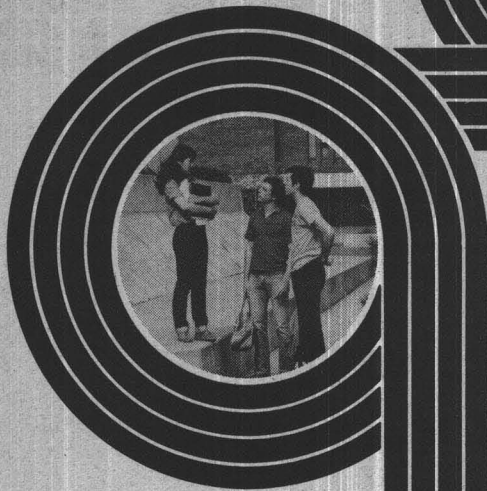
E-3310 Library

Undergraduate Studies Office/246-3420

E-3310 Library

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

Center for Continuing Education



The Center for Continuing Education (CED) offers a variety of opportunities for part-time study at SUNY at Stony Brook. Through its various programs, students may earn a Master of Arts in Liberal Studies, complete an undergraduate degree, or just take an occasional credit or non-credit course for self-improvement or self-enrichment.

Master's Program for Part-Time Students

At the graduate level, the Center for Continuing Education offers a Master of Arts in Liberal Studies (MA/LS) for students who do not want to be confined to a narrow field of study but who are looking for the broader range of academic experiences that a liberal arts program permits.

The program is designed for the student who is only able to attend school part-time in the late afternoon or evening. MA/LS students have seven years in which to complete the degree requirements, allowing them the flexibility to take off a semester or a year or to take only one course a semester.

MA/LS students plan a 30-credit program, with the help of an advisor, that meets their individual needs and interests and that includes courses from three general subject areas: Arts and Humanities, Natural and Applied Sciences, and Social and Behavioral Sciences.

Baccalaureate Program for Part-Time Undergraduates

In the Undergraduate Evening Program, students who have completed 57 or more credits may earn a bachelor's degree through part-time, evening study. The majors available and other information about this program can be found later on in the section of this bulletin that describes the Undergraduate Evening Program.

Non-Matriculated Graduate Students

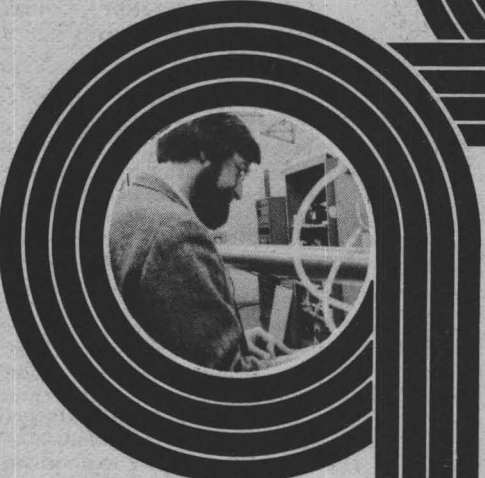
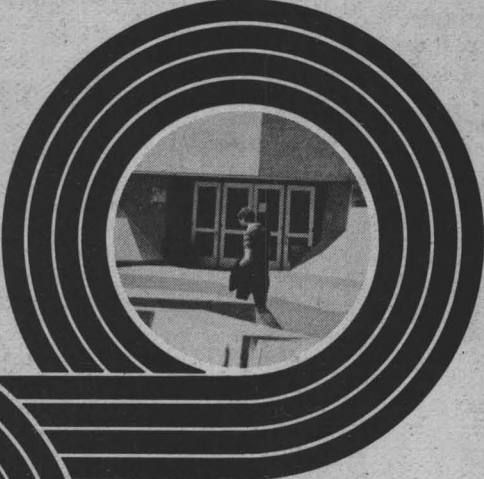
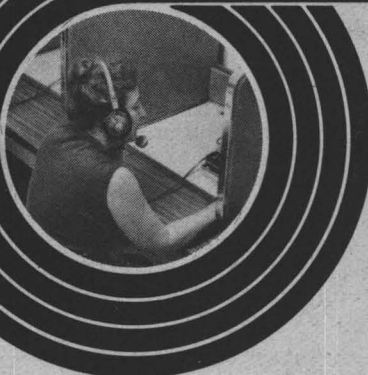
In addition to its MA/LS program, the Center for Continuing Education admits to Stony Brook and helps to register non-matriculated graduate students who are not interested in any degree but who want to take graduate courses to satisfy other goals.

Non-Credit Courses, Workshops, Seminars

To supplement its credit-bearing programs, CED offers each semester a variety of non-credit

courses, workshops, and seminars of interest to Long Island residents.

These include such offerings as the Management Seminars program for businesses, the Real Estate Licensing program which enables real estate salespersons and brokers to fulfill the licensing requirements of the New York State Division of Licensing Services, and amateur radio licensing courses. Details of these programs are included in the section of this bulletin entitled "Non-Credit Programs."



Master of Arts in Liberal Studies

Fall 1984 Evening Graduate Courses

In the listing of courses that follows, these codes are used: **AH** (Arts and Humanities); **NS** (Natural and Applied Sciences); and **SB** (Social and Behavioral Sciences). If a course falls under more than one area, it will carry whatever codes are applicable.

Arts and Humanities

Graduate courses from the departments of art, comparative literature, English, foreign languages, music, philosophy and theatre arts.

Natural and Applied Sciences

Graduate courses from the departments of applied mathematics, biological sciences, chemistry, computer science, earth and space sciences, marine sciences, mathematics, physics, technology and society, and the College of Engineering.

Social and Behavioral Sciences

Graduate courses from the departments of allied health resources, anthropology, economics, health sciences, history, industrial management, labor/management studies, linguistics, mid-life assessment, physical education, political science, psychology, social sciences interdisciplinary, social welfare, sociology, special education, and policy analysis and public management.

Off-Campus Courses

CED offers several courses each semester at extension sites in both Nassau and Suffolk Counties for the convenience of its students who live some distance from campus. You may register on the first night of class at the extension site if you opt not to register for an extension course earlier by mail or in person on campus.

Courses that will be given this semester off campus can be found under the following headings: Education, English, Mid-Life Assessment, Special Education, and Technology and Society.

Radio and TV Courses

Occasionally radio and/or TV courses taught by Stony Brook faculty members from various disciplines are offered for CED credit. These courses are ideal for students with scheduling or transportation problems or simply as an option to the regular on-campus courses.

In addition to the radio lectures or television programs which students listen to or view in their own homes, readings, exams, and papers are assigned. Approximately five or six on-campus meetings are held during the semester.

Under the sponsorship of the Music Department, CED will offer in Fall 1984 CEH 570

American Popular Music in conjunction with radio lectures on WUSB 90.1 FM. See the Music Department course listings for further details.

Foundations Courses

The Foundations Courses listed below are an important part of the new degree requirements that became effective this semester for students admitted as of Fall 1984 and hereafter. If you have been admitted under these new requirements, you are required to take one foundations course from each of the three general subject areas of Arts and Humanities (AH), Social and Behavioral Sciences (SB), and Natural and Applied Sciences (NS). This semester CED is offering foundations courses only from the first two of these areas.

CEI 501 Foundations of the Humanities

Krin Gabbard

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 raise the central questions of methodology, interpretation, classification, and relationship around which humanistic study revolves.

3 credits/AH or SB

Monday, 6:30-9:00 p.m.

CEI 502 Foundations of the Modern Social Sciences

Fred Weinstein

This course will explore with students the development of modern social theory, particularly the great issues of social stability and social

Changes in Bulletin Listings

Students planning to take CED courses during this semester should refer to the Addenda printed after the course bulletin is published. These updates show any changes in course selections for the semester that occur after the course bulletin has been printed. Such changes may include course additions, cancellations, or changes in the days or times when a course is to be given. The Addenda are available from the CED office.

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/AH or SB

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

CEI 504 Foundations Course: Human Behavior as Rational Action

Mark Granovetter

Rational behavior means choosing among possible actions those that are most efficient in meeting one's goals. Whether people do so is one of the oldest unresolved disputes in philosophy and the social sciences. We will trace the main positions in this dispute as they have evolved in philosophy, psychology, economics, anthropology, and sociology, paying special attention to the argument between economics and other social sciences as to whether economic behavior exhibits strictly economic rationality or is heavily affected by non-economic obligations and aims. Another important topic is the relation between individual nationality and social institutions: even if individuals do act rationally, can we assume that the large-scale social patterns that result are necessarily effective? Readings will consider the topic abstractly, but also in the concrete settings of small intimate groups, formal organizations, primitive and modern economic

systems, and political systems in both stable and revolutionary situations.
Prerequisites: A knowledge of elementary economics; at least one other social science or philosophy course would be helpful but not absolutely required.
3 credits/AH or SB
Monday, 5:30-8:00 p.m.

Allied Health Resources

There are limited spaces available to CED and GSP students in the following courses and special permission is required in each case except for HAS 518/CEX 509. For assistance in locating instructors or for information about course schedules, call 444-3240.

HAS 505 Human Sexuality: Attitudes

Robert O. 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: To be given in Spring 1985; permission of the instructor required during the previous semester (444-3240).
3 credits/SB

HAS 508 Fundamentals of Genetic Counseling

Audrey Heimler
This course is designed to study the dynamics of the genetic counseling process. The focus is on principles of transmission of genetic disorders, medical aspects of representative genetic disorders, genetic techniques, biological and social aspects of genetic disorders, and the ethical and legal issues raised by genetic knowledge and technology. The format will include lecture, discussion, and patient interview.
Prerequisite: Permission of instructor (444-3240)
3 credits/NS
Hours to be arranged

HAS 509 Communication Disorders

Marsha Laufer
This course is designed to provide a description of the normal processes of language, speech, and hearing as a framework for developing an understanding of the nature of various types of communication disorders.
Prerequisite: Permission of instructor (444-3240)
3 credits/SB
Hours to be arranged

HAS 518/CEX 509 The Older Woman in American Society: Problems and Potentials

Jane Porcino
This course will consider the needs and problems of older women, their strengths and opportunities. We will examine the negatives and begin to dissolve the myths and stereotypes surrounding older women in our culture. It is undeniable that older women in America have been shortchanged at home and in the market place. We will examine the social, economic, and health problems and look at future solutions. Both women and men, old and young, are invited to participate.
3 credits/SB
Tuesday, 5:00-7:30 p.m.

HAS 529 Patient Education

Nanci C. 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 531 Medical Care Organization

H. Barry Waldman
Comprehensive overview of the U.S. system of medical care, with analysis of key issues, political and economic forces, and the problems of achieving the optimum goals of effectively and efficiently planned, managed, coordinated, and financed delivery of health services at all levels.
Prerequisite: Permission of instructor (444-3240)
3 credits/SB
Hours to be arranged

HAS 533 Group Dynamics for Health Professionals

Rose Walton
A course designed to assist students in acquiring new skills or further developing skills that improve interpersonal interactions. Structured exercises will be undertaken to illustrate principles of group dynamics and particular attention will be given to application of health related work experiences.
Prerequisite: Permission of instructor (444-3240)
3 credits/SB
Hours to be arranged

HAS 534 Management Techniques

Instructor to be announced
Presents an overview of the various roles of the manager within the organizational structure of health care agencies. Students will gain an understanding of management

concepts through analysis and problem solving.
Prerequisite: Permission of instructor (444-3240)
3 credits/SB
Hours to be arranged

HAS 536 Health Law

Robert Wild
This course intends (1) to acquaint students with the general applicability of law to the health field and the health delivery system; (2) to acquaint students with the specific areas of laws (including statutory law, common law, rules, and regulations) applicable to and controlling the operation of hospitals, long-term care facilities, medical practice, allied health professional practices, and other institutions and individuals involved in the delivery of health care; and (3) to identify current legal problems affecting the delivery of health care and demonstrate the means by which these problems are addressed by institutions and individuals.
Prerequisite: Permission of instructor (444-3240)
3 credits/SB
Hours to be arranged

HAS 539 Planning and Operational Analysis

Instructor to be announced
Studies in the application of quantitative analysis techniques to health planning and problem-solving; local and market research; economic development of measurement systems for assessing program performance, cost effectiveness, and quality of care; forecasting techniques, work analysis, and scheduling; quantitative and simulated decision-making; use of choice and systems theories as an aid to management and in estimating alternative policy "futures."
Prerequisite: Permission of instructor (444-3240)
3 credits/NS
Hours to be arranged

HAS 550 Introduction to Statistics

Alan Leiken
Instruction in the use of descriptive statistics such as means, medians, standard deviations, and histograms to report results of experiments. Illustrates how inferences can be made from hypothesis testing and regression analysis. Includes analysis of the validity and appropriateness of statistical techniques employed by researchers in their professional health fields.
Prerequisite: Permission of instructor (444-3240)
3 credits/NS
Hours to be arranged

HAS 562 Teaching Strategies for Health Professionals

Elizabeth G. Armstrong

The practical aspects of teaching including preparation of 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/her own teaching techniques.

Prerequisite: Permission of instructor (444-3240)

3 credits/SB

Hours to be arranged

HAS 582 Seminar in Curriculum Design

Nanci C. Rice

A conference course for graduate students concerned with problems and processes of curriculum design in the health fields. Topics include developing a rationale for curriculum design, components, and levels of educational design, implementation problems, and evaluation for curriculum improvement.

Prerequisite: Permission of instructor (444-3240)

3 credits/SB

Hours to be arranged

See also courses listed under Health Sciences and Social Welfare.

Anthropology

CES 506 Comparative Religious Systems

Robert Stevenson

A study of the evolution of systems of religion, beginning with primitive beliefs and practices with emphasis on the evolution of symbols and value systems; proceeding through the effects of cultural contacts upon religious behavior; and tracing the development of these simple systems into the basic religious beliefs of more complex societies.

3 credits (AH or SB)

Tuesday, 6:00-8:30 p.m.

CET 501 Urban Anthropology

Theodore Kennedy

A survey of the various social stratification patterns of our society—the attitudes, values, roles, statuses, kin groups, networks, etc. of various sub-groups in American society. The course is designed to give the individual an understanding of how his society functions and some insights into his or her position in it.

3 credits/SB

Thursday, 6:00-8:30 p.m.

Applied Mathematics and Statistics

AMS 505 Applied Algebra I

Daniel Dicker

Review of matrix operations. Elementary matrices and reduction of general matrices by elementary operations, canonical forms, and inverses. Applications to physical problems.

Prerequisite: Permission of department (246-5967)

3 credits/NS

Tuesday/Thursday, 5:30-6:45 p.m.

AMS 507 Introduction to Applied Probability

Instructor to be announced

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: Permission of department (246-5967)

3 credits/NS

Tuesday/Thursday, 7:00-8:15 p.m.

AMS 526 Numerical Analysis I

Y.M. Chen

Direct and indirect methods for solving simultaneous linear equations and matrix inversion, condition and round-off errors. Computation of eigenvalues and eigenvectors.

Prerequisite: Permission of department (246-5967)

3 credits/NS

Tuesday/Thursday, 7:00-8:15 p.m.

AMS 530 Linear Programming

David Jensen

Formulation of linear programming problems and solutions by simplex method. Duality, sensitivity analysis, dual simplex algorithm, decomposition. Applications to the transportation problem, two-person games, assignment problem and introduction to integer and non-linear programming.

Prerequisite: Permission of department (246-5967)

3 credits/NS

Monday/Wednesday, 5:30-6:45 p.m.

AMS 535 Stochastic Processes

Michael Katehakis

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

Prerequisites: AMS 569 or equivalent and permission of department (246-5967)

3 credits/NS

Thursday, 5:30-8:00 p.m.

AMS 536 Queuing Theory

David Jensen

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.

Prerequisites: AMS 507; permission of department (246-5967)

3 credits/NS

Monday/Wednesday, 3:30-4:45 p.m.

AMS 569 Probability Theory

Lawrence Baxter

Intermediate-level probability. Random variables, distribution functions, moments, generating functions, properties of random variables, limit theorems, conditional expectation, combinatorial identities.

Prerequisite: Permission of department (246-5967)

3 credits/NS

Monday/Wednesday, 3:30-4:45 p.m.

AMS 571 Mathematical Statistics II: Hypothesis Testing

Lynn Kuo

Decision problems, Neyman-Pearson lemma, likelihood ratio tests, uniformly most powerful tests, unbiased tests, invariant tests, sequential tests, non-parametric tests. Introduction to tests on contingency tables and multivariate data. Bayesian approaches and introduction to current research problems.

Prerequisites: AMS 507 or equivalent; permission of department (246-5967)

3 credits/NS

Tuesday/Thursday, 3:45-5:00 p.m.

Art

CEA 515 American Art: Ethics and Aesthetics

Irma Jaffe

The course will deal with the works of major painters and sculptors in American art, eighteenth 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 readings in American art, and recommended readings in American literature, history, philosophy, and religion.

3 credits/AH

Thursday, 5:45-8:15 p.m.

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

Staff

An opportunity 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. High quality standards will be expected.

Prerequisites: Permission of instructor; contact Art Department for further information and for assistance in finding a faculty sponsor for your area of interest (246-7070)
Variable credit up to a maximum of 6/AH
Hours to be arranged

CEH 514 Independent Study in Studio Art

Staff
Independent study on specific projects under the guidance of our faculty and technicians, in our sculpture, painting and drawing, ceramics and ceramic sculpture, printmaking, or photography studios. The course may be repeated once.
Prerequisite: Contact Art Department for assistance in finding a faculty sponsor for your area of interest (246-7070)
3 credits/AH
Hours to be arranged

ARH 546 Topics in Twentieth-Century Art

Stephen Polcari
Considered as an international movement, European and American, although 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 department (246-7070)
3 credits/AH
Monday, 7:00-9:30 p.m.

Biological Sciences

CEB 505 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 or SB
Thursday, 6:00-9:30 p.m.

Computer Science

CEN 561 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.
Remark: Students will be expected to put in several hours of lab work

on computer terminals in addition to class time.
3 credits/NS
Tuesday, 6:00-8:30 p.m.

See also courses listed under Technology and Society.

Earth and Space Sciences

CEN 512 The Earth and the Planets

Tobias Owen
A study of the solar system, its origins and evolution, as seen through the eyes of astronomers and geologists. Formation of the sun and the planets; geology of the earth: its core, crust, and oceans; fossil life and evolution; geology of the moon: the Apollo missions; the terrestrial planets: their atmosphere and surfaces; Mars: current explorations; the outer planets: Jupiter through Neptune; the possibility of other solar systems and life in the universe.
3 credits/NS
Monday, 7:00-9:30 p.m.

CEN 523 Astrology in Astronomical Perspective

Johannes Hardorp
The astronomical background of astrology from historical and scientific points of view. The movements of the earth and planets and how they were modelled from antiquity to modern times, leading to the birth of classical physics. The process of casting horoscopes and their interpretation. Constellations versus signs of the zodiac. Statistical evidence.
3 credits/NS
Tuesday, 7:00-9:30 p.m.

Education

CEE 506 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, 6:30-9:00 p.m.

CEE 509 Children's Literature in the Elementary School

The aim of the course is to develop an understanding of children and their literature through a survey of

children's books of yesterday and today and hands-on experiences with various types of literature: picture books, traditional literature, modern fantasy, poetry, contemporary realistic fiction, informational books, and biography.

3 credits/AH or SB
Sec. 1—James Higgins
Monday, 7:00-9:30 p.m.
Sec. 21—Rosemary Schumann
Tuesday, 7:00-9:30 p.m., West Islip Senior High School, Higbie Lane

CEE 523, Sec. 21 Reading in the Secondary School

Corinne Lipset
The course deals with an examination of theories, models, and processes of reading behavior. We explore psychological and linguistic foundations of current reading theories and discuss instructional strategies that develop from their theoretical bases. We also investigate issues dealing with 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. This course is recommended for practicing secondary school teachers.
3 credits/SB
Tuesday, 7:00-9:30 p.m., Huntington High School, Oakwood and McKay Roads

CEE 532 Workshop in Teaching Reading for Elementary School Teachers

Lillian Restaino-Baumann
An investigation into newer methods and materials of teaching reading with special emphasis on: 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 fields, word attack skills in proper perspective, comprehension, and critical reading skills.
3 credits/SB
Tuesday, 5:30-8:00 p.m.

CEE 543 Current Social Issues in American Education

Alex Baskin
Overview of current social issues in American education: alternative systems of education, drug education, sex education, sensitivity training, computer assisted instruction, and behavior modification techniques. The course will be discussion oriented with occasional guest speakers.
3 credits/SB
Tuesday, 6:00-8:30 p.m.

English

CEH 529 Literature and Psychology

Judah Stampfer
A study of the ways concepts of psychology affect creative writing,

with emphasis on similarities and differences between the male imagination and the female imagination. Generally Jungian approach.

Prerequisite: At least one course in literature completed beyond an "Introduction to Literature" course
3 credits/AH or SB
Thursday, 7:00-9:30 p.m.

CEH 585 The Bible as Literature I Carole Kessner

An examination of selected portions of the Bible from literary and historical modalities of interpretation. The texts to be analyzed are Genesis, Exodus, Samuel I and II, and the four Gospels. We shall analyze these texts from such perspectives as genre, narrative strategy, language, imagery, legend, chronicle, epistle, and redaction skill.

3 credits/AH
Monday, 5:30-8:00 p.m.

EGL 501 Studies in Chaucer

Stephen Specter
A close reading of Chaucer's major poetry and prose, especially the *Canterbury Tales*.

Prerequisite: Permission of department (246-5096)
3 credits/AH
Tuesday, 7:00-9:30 p.m.

EGL 502 Studies in Shakespeare

Clifford Huffman
An in-depth study of Shakespeare's major works.

Prerequisite: Permission of department (246-5096)
3 credits/AH
Wednesday, 7:00-9:30 p.m.

EGL 525 Studies in 17th Century Literature

Thomas Kranidas
A study of major poetry, with some supporting prose, of the seventeenth century. Emphasis will be on five figures: Donne, Jonson, Herbert, Crashaw, Marvell. Texts will include Warnke and Witherspoon, *Seventeenth Century Prose and Poetry*; C. Hill, *Century of Revolution* (read during summer if possible).

Prerequisite: Permission of department (246-5096)
3 credits/AH
Monday, 4:00-6:30 p.m.

EGL 535 Studies in Neoclassicism: Restoration Literature

David Sheehan
A study of British literature in the years following the restoration of Charles II, 1600 to the end of the century. Readings will include Bunyan's *The Pilgrim's Progress* and Rochester's libertine poetry; Dryden's poetry and Swift's early prose satires; as well as the comic/satiric plays of Etherege, Wycherley, and Congreve.

Prerequisite: Permission of department (246-5096)
3 credits/AH
Monday, 7:00-9:30 p.m.

EGL 545 Studies in Victorian Literature

Helen Cooper
From the novels, poetry, and prose of the period we will be examining ways in which representative Victorians imagined their age as essentially one of transition, and how this affected their attitudes toward gender, art, religion, politics, industry, class. We will also discuss the literary forms used to express these attitudes. The problem, however, with a survey of Victorian literature is the impossible amount of material to read. We will, therefore, sample only selections from Macaulay, Tennyson, Arnold, Mill, Nightingale, Ruskin, and the pre-Raphaelite poets, while reading in their entirety Carlyle's *Sartor Resartus* or *Past and Present*, Barrett Browning's *Aurora Leigh*, Browning's *Men and Women*, Dickens' *Hard Times*, and Eliot's *Middlemarch*.

Prerequisite: Permission of department (246-5096)
3 credits/AH
Wednesday, 4:00-6:30 p.m.

EGL 570, Sec. 1 Twentieth-Century American Literature: Mainstream Fiction and Poetry

Louis Simpson
Intensive reading and discussion of prose fiction by James, Dreiser, Hemingway, Fitzgerald, West, and Bellow; poems by Frost, Pound, Eliot, Williams, and selections from *Contemporary American Poetry*, ed. A. Poulin.

Prerequisite: Permission of department (246-5096)
3 credits/AH
Monday, 7:00-9:30 p.m.

EGL 570, Sec. 2 Twentieth-Century American Literature: American Naturalism

Diane Fortuna
Intensive study of Crane, Norris, and Dreiser with attention to recent scholarship and philosophical background of naturalism.

Prerequisite: Permission of department (246-5096)
3 credits/AH
Thursday, 7:00-9:30 p.m.

French and Italian

FRN 507 Advanced Stylistics

Konrad Bieber
Theory and practice of writing through systematic building of both vocabulary and advanced syntactic skills. Attention will be paid to the pitfalls of translation and the difficulties in structuring today's French language. Weekly writing assignments both from a method book and in free composition.

Prerequisite: Fluency in French
3 credits/AH or SB
Thursday, 4:30-7:00 p.m.

FRN 511 History of the French Language

Gisele Kapuscinski
The evolution of French phonology,

morphology, and syntax examined in the historical and social context.

Prerequisite: Fluency in French
3 credits/AH or SB
Monday, 4:30-7:00 p.m.

FRN 531/CLT 503 French Classical Theater

Eleonore Zimmermann
We shall study Corneille, Moliere, and Racine as they appear within their own tradition and the dramatic and literary conventions of seventeenth-century France, and also as they appear in modern translation (by Richard Wilbur, Robert Lowell, and others). How the French classical spirit translates into English words will be one of the principal questions we address.

Prerequisite: Fluency in French
3 credits/AH
Wednesday, 4:30-7:00 p.m.

ITL 501 Italian Translation

Jane Bertolino
The course is designed to give the graduate student a basic reading knowledge of Italian. This will be accomplished by presenting the basic grammatical structure of the language. Students will be required to do exercises in Italian to learn and recognize the points of grammar stressed. They will also translate sentences from Italian into English. However, after learning basic sentence structures and the various verb forms of the indicative mood, actual Italian passages will be translated. These texts will be taken from various disciplines in order to acquaint the student with the technical vocabulary in each field.

Prerequisite: Permission of instructor (246-8676)
3 credits/AH
Wednesday, 4:30-7:00 p.m.

ITL 508 Stylistics: Techniques of Composition, Interpretation, and Translation

Charles Franco
This course is designed for students who already have a high degree of proficiency in Italian. A number of selections will be read and analyzed for their effectiveness and manner of expression. Assignments will be based on the readings and will focus on the preparation of summaries, interpretations, translations from English, and creative variation of the forms of discourse.

Prerequisite: Fluency in Italian
3 credits/AH or SB
Tuesday, 4:30-7:00 p.m.

ITL 562 Italian "Decadentismo"

Luigi Fontanella
The course will examine the literary trend of Italian "Decadentismo" in relation to the European phenomenon, seen in its interdisciplinary relationship. Analysis of the work of authors such as

K. Huysmans, G. Pascoli, G. D'Annunzio, I. Svevo.
Prerequisite: Fluency in Italian
3 credits/AH
Thursday, 4:30-7:00 p.m.

General Science

CEI 548 Personal and Scientific Interactions in Twentieth-Century Physics

Max Dresden

This course will deal with the influence of the personal philosophies, the scientific expectations, and the individual aspirations of the leading physicists on the development of contemporary physics. Public statements and autobiographical materials of the principal participants will be used to demonstrate the interplay between their personalities, scientific views, and philosophical convictions.

3 credits/AH, NS, or SB
Tuesday, 6:30-9:00 p.m.

CEN 593 Nuclear War: Technology, Strategy, and Arms Control

Mark Sakitt

This course is designed for the nontechnical layperson who wants to be informed about the issues concerning nuclear weapons. We will study how nuclear weapons developed, how they work, and how they are produced. The intimate connection between the technology of the weapons and their delivery systems and strategic planning will be examined. The premises, goals, and achievements of the arms control process will be discussed. We will review the past record, analyze several current defense problems, and examine the future impact of new technology on the arms race. A broad spectrum of views will be presented.

3 credits/NS or SB
Monday, 6:30-9:00 p.m.

CEN 594 Law and Technology

Jerry Cadwell

This course is designed for the nontechnical layperson who wants to be informed about the issues concerning the interface and conflicts between emerging technologies and the legal process. The course will consist of readings and discussion 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 or SB
Wednesday, 7:00-9:30 p.m.

Health Sciences

CEM 535 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 some facts known today, dispel myths, and provide information about referral agencies. A very important course for teachers, employers, counselors, parents, or others who have potential contact with the problem.

3 credits/SB
Wednesday, 6:00-8:30 p.m.

See also courses listed under Allied Health Resources and Social Welfare.

Hispanic Languages and Literature

SPN 543 Spanish Novel after the Civil War

Hilda Pato

A study of the major works written by Spanish novelists after the Civil War. Novels by Cella, Sanchez Ferlosio, Goytisolo, Martin-Santos, and others will be considered. Readings on narrative theories and of significant bibliographies will also be required.

Prerequisite: Fluency in Spanish
3 credits/AH
Thursday, 4:00-6:30 p.m.

SPN 571 Contemporary Latin American Novel

Roman de la Campa

Careful readings of the most renowned Latin American contemporary novelists: Cortazar, Carpentier, Garcia-Marquez, Fuentes, Vargas Llosa, and others. (The final reading list will be available early summer.) The course will also require readings on current theoretical issues.

Prerequisite: Fluency in Spanish
3 credits/AH
Wednesday, 4:00-6:30 p.m.

SPN 612 Seminar: Spanish-American Colonial Literature

Pedro Lastra

Reading and extensive discussion of relevant works in Spanish American colonial literature from Cristobal Colon to Inca Garcilaso de la Vega. The following authors will also be included in this course: Hernan Cortes, Bernal Diaz del Castillo, Fray Bartolome de las Casas, G. Gernandez de Oviedo, and Alonso de Ercilla.

Prerequisites: Fluency in Spanish; permission of the instructor
(246-5685)
3 credits/AH
Tuesday, 4:00-6:30 p.m.

History

CES 531 Modern Africa: Responses to Colonial Rule

John Williams

The course will analyze how the experience of colonial rule transformed the life of traditional Africa, while leaving large parts of that life intact in new settings. The readings will concentrate on one African country—Nigeria—with a survey of other parts of the continent. Readings will include works by Elizabeth Isichei, Buchi Emecheta, Chinua Achebe, and Wole Soyinka. Depending on the size of the class, individual students may make reports on one other African country, presenting an analysis similar to that done for Nigeria.

3 credits/AH or SB
Monday, 7:00-9:30 p.m.

HIS 500 Historiography

Joel Rosenthal

Historiography is the process of writing history. We assume it to be a quasi-scientific job, consisting mainly of gathering, organizing, and presenting data. In reality, it is a literary, philosophical, and rhetorical exercise. Some historians are open about their ends, and others may even be unaware of how they serve "larger" purposes. In this course we will look at some masters, some lesser figures, and some theoreticians of the craft. Be prepared to read Thucydides, Marx, and some of their friends and students.

Prerequisite: Permission of instructor
(246-6500)
3 credits/SB
Wednesday, 6:00-8:30 p.m.

HIS 501 Introduction to Early Modern Europe

Ruben Weltsch

A joint examination of European developments from the 16th to the 18th centuries. The seminar will concentrate on the Reformation and the early modern revolutions, on absolutism and the Old Regime in western and eastern Europe, on the question of an early "modern world system," and on aspects of the Enlightenment.

Prerequisite: Permission of instructor
(246-6500)
3 credits/SB
Thursday, 6:00-8:30 p.m.

HIS 510/530 Reading and Research Seminar in European History

Nancy Tomes/Barbara Weinstein

This course will introduce students to major works in recent social history. Seven topics have been chosen for examination: 17th-century witchcraft, the Enlightenment, slave society, popular violence, work culture, social mobility, and corporate liberalism. Within each topic, readings will have a comparative focus across geo-

graphic and methodological lines. Books to be read will include: Boyer and Nissenbaum's *Salem Possessed*; Richard Dunn's *Sugar and Slaves*; E.P. Thompson's *The Making of the English Working Class*; Herbert Gutman's *Work, Culture and Society*, and Charles Maier's *Remaking Bourgeois Europe*.
Prerequisite: Permission of instructor (246-6500)
3 credits/AH or SB
Monday, 4:00-6:30 p.m.

HIS 521 Introduction to U.S. History up to the Civil War

Ned Landsman
The first half of the graduate-level survey of American history, focusing on the history and historiography of American society before the Civil War. We will pay particular attention to major themes and issues in American history.
Prerequisite: Permission of instructor (246-6500)
3 credits/SB
Tuesday, 6:00-8:30 p.m.

Industrial Management

CEY 501/EMP 501 Behavioral and Organizational Aspects of Management

Robert Francis
This course provides an understanding of the management process by analyzing organizational behavior. Topics include behavior in two-person situations, factors influencing attitudes and changes in organizational behavior, formal and informal organizational structures, conflict and conflict resolutions, and the dynamics of planned change.
3 credits/SB
Wednesday, 7:00-9:30 p.m.

EMP 500 Management Policy and Planning by Case Study

Ronald Norris
This course provides the student with experience in analyzing complex, multifactor management problems in the context of realistic case studies. The cases cover areas such as marketing, finance, labor relations, strategic planning, design of administrative organization, and corporate response to social change.
Prerequisites: EMP 502 and permission of department (246-8427)
3 credits/SB
Monday, 7:30-10:00 p.m. at SUATC Farmingdale

EMP 504 Quantitative Methods in Management

Glenn Schmid
A rapid introduction to the application of modern mathematical concepts and techniques in management science. Algebraic operations, mathematical functions and their graphical representation, and matrix operations are reviewed. Topics covered include the following: break even analysis; mathematics of interest, annuity, and mortgage; traffic flow and other

systems of linear equations; algebraic and simplex methods of linear programming; probability; statistics of acceptance testing; Markov chain modeling of market transitions; queuing models. Simple management oriented examples are used to introduce mathematical formulations and extensions to more general problems.
Prerequisites: Undergraduate mathematics including differential calculus and permission of department (246-8427)
3 credits/NS
Tuesday, 7:00-9:30 p.m.

Labor/Management Studies

CES 513 New Developments in Personnel Administration

New instructor to be announced
This course will deal with the following topics: transforming government regulation into a company advantage; the laws and regulations affecting affirmative action and employee safety; evaluating a spectrum of employer responses and plans; designing plans suited to your enterprise; keeping pace with technological change: a survey of training programs that combine technological innovation with employee stability and satisfaction; and devising a training program for the office or factory of your future.
3 credits/SB
Tuesday, 7:00-9:30 p.m.

CES 517 Women, Work, and Dollars

Vera Rony
The economic problems, options, and opportunities facing women today. New issues: comparable pay for comparable work, sexual harassment on the job, discrimination in promotions. Labor market trends for women, with emphasis on Long Island; career options in the light of current socio-economic trends; legal, practical, and psychological tools for maximizing economic success.
3 credits/SB
Thursday, 7:00-9:30 p.m.

CES 519 Grievance Handling and Arbitration in the Public Sector

Harold Pryor
Grievance and arbitration procedures in a variety of private and public sector labor agreements will be examined in terms of contract clauses, practical procedures, and problems characteristic of different employment sectors. Dispute settlement between parties themselves will be explored, and the final recourse to arbitration examined in terms of arbitrator

selection, case preparation, presentations at hearings, and analysis of awards.
3 credits/SB
Wednesday, 7:00-9:30 p.m.

Linguistics

CEC 527 Structure of English

Aaron S. Carton
An analysis of "good" and "correct" usage of English for practical application in the classroom.
3 credits/AH or SB
Tuesday, 3:00-5:30 p.m.

CEC 528 Methods of TESOL

Susan Ansara
This course will compare and contrast the processes involved in acquiring a first language from the acquisition of a second language and relevant principles from learning theory as they manifest themselves in respect to similarities and differences between native and target languages. It will also treat the relations between written and spoken language and the acquisition of reading and second language acquisition.
Prerequisite: Permission of instructor (246-3452)
3 credits/AH or SB
Wednesday, 6:00-8:30 p.m.

Marine Sciences

CEB 578 Long Island's Coastal Environments

Instructor to be announced
The course is designed to present an overview of the natural biological, chemical, geological, and physical features of a variety of Long Island's coastal marine environments and to assess man's impact on the areas. Field trips and some ship time aboard the Marine Sciences Research Center vessel will be involved.
3 credits/NS
Monday, 7:00-9:30 p.m.

MAR 501 Physical Oceanography

Instructor to be announced
Part I: Course examines the physics of ocean circulation and mixing on various scales, with a strong emphasis on the profound effects of the earth's rotation on the motions and distribution of properties. Part II: Introduction to physics of estuaries and other coastal water bodies.
Prerequisite: Permission of instructor (246-6546)
5 credits/NS
Monday/Wednesday, 2:00-3:15 p.m. and Friday, 1:30-3:10 p.m.

MAR 502 Biological Oceanography

Henry J. Bokuniewicz
A treatment of the dependencies of biological communities on the physical and chemical properties of the marine environment with major emphasis on the planktonic

communities of coastal and estuarine environments. Includes laboratory experience directed toward imparting analytical skills.

Prerequisite: Permission of instructor (246-5646)

4 credits/NS

Tuesday/Thursday, 2:00-3:40 p.m.

MAR 519 Geochemistry of Marine Sediments

J. Kirk Cochran

Seminar course dealing with geochemistry of recent marine sediments. Topics include diagenesis of organic matter; systematics of nitrogen, phosphorus, sulfur, and carbon; diagenesis of trace elements; role of bioturbation in modifying diagenetic reactions and chemical transport across sediment-water interface and chronologies of marine sediments.

Prerequisite: Permission of instructor (246-6546)

2 credits/NS

Tuesday, 12:00-1:40 p.m.

MAR 545 Coastal Sedimentary Environments

Gary A. Zarillo

Survey of depositional environments from nearshore continental shelf through the backbarrier estuarine complex. Emphasis placed on depositional processes and products within such varied environments as tidal deltas, barrier islands, tidal flats and salt marshes, point bars, and river deltas.

Prerequisite: Permission of instructor (246-6546)

3 credits/NS

Tuesday/Thursday, 9:00-10:15 a.m.

MAR 555 Introduction to Mathematics for Marine Scientists

Akira Okubo

Differential equations, differential and integral calculus, and (minimal) partial differential equations.

Discussions include formulation of practical problems, i.e., application of differential equations.

Prerequisite: Permission of instructor (246-6546)

3 credits/NS

Wednesday/Friday, 10:30-11:45 a.m.

MAR 560 Principles of Fishery Ecology

David O. Conover

Biological basis for, and techniques of, managing fish populations.

Biology of commercially important species. Methods of stock assessment, estimating population size, mortality, recruitment, and yield. Role of aquaculture. Emphasis on, but not limited to, marine species.

Prerequisite: Permission of instructor (246-6546)

3 credits/NS

Tuesday/Thursday, 10:30-11:45 a.m.

Mathematics

CEN 535 Mathematics for Elementary School Teachers I

Peter Herron

The course relates the mathematics of the elementary school classroom to the formal aspects of mathematics: the underlying concepts, structures, logic, and their application to the real number system. It examines how these fundamentals may be developed with children in grades K-6.

3 credits/NS

Wednesday, 6:00-8:30 p.m.

MAT 513 Analysis for Teachers I

Marie-Louise Michelsohn

Topics in differential calculus, its foundations, and its applications. This course is designed for teachers and prospective teachers of advanced placement calculus.

Prerequisites: Calculus; permission of the graduate program director (246-4062)

3 credits/NS

Tuesday, 6:00-8:30 p.m.

MAT 518 Seminar on the Uses of Mathematics

Alfred Adler

This seminar will explore the ways in which secondary school and elementary college mathematics are used in such diverse areas as psychology, sociology, political science, economics, business, engineering, physics, chemistry, biology, and medicine. Primarily for secondary school teachers of mathematics.

Prerequisite: Permission of the graduate program director (246-4062)

3 credits/NS

Wednesday, 6:00-8:30 p.m.

Mid-Life Assessment

CEX 501, Sec. 21 Adult Appraisal and Assessment

Muriel Gunthorpe

Examination of adult assessment and counseling processes which respond to personal, family, and career needs. Relationship of adult counseling to human resource services within organizations. Evaluation of adult assessment instruments.

3 credits/SB

Wednesday, 7:00-9:30 p.m., West Islip Senior High School, Higbie Lane

CEX 508 Personal and Family Finance

Alan Entine

A unique perspective of financial planning issues and strategies for persons of different age levels. Medical, housing, educational, and pre-retirement finances are discussed. Savings, investment, credit, and borrowing strategies are evaluated for various family lifestyles. Review of existing and emerging financial

markets and instruments as vehicles for reaching financial planning goals.

3 credits/SB

Monday, 5:00-7:30 p.m.

CEX 509/HAS 518 Older Women in American Society: Problems and Potentials

Jane Porcino

This course will consider the needs and problems of older women, their strengths, and opportunities. We will examine the negatives and begin to dissolve the myths and stereotypes surrounding older women in our culture. It is undeniable that older women in America have been shortchanged at home and in the market place. We will examine the social, economic, and health problems and look at future solutions. Both women and men, old and young, are invited to participate.

3 credits/SB

Tuesday, 5:00-7:30 p.m.

Music

CEH 570 American Popular Music

Peter Winkler

The course will consist of 30 half-hour lectures to be broadcast on WUSB 90.1 FM, Monday and Wednesday evenings, from 6:30 to 7:00 p.m., beginning Wednesday, August 29, 1984, plus six on-campus meetings to discuss issues raised in the lectures and in the reading materials that will be assigned. The course will focus 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 song, country music, rhythm-and-blues, and rock. Class meetings will be held on the following Tuesdays: August 28, September 18, October 2, October 23, November 6, and December 11 from 7:00 to 9:30 p.m.

3 credits/AH

Philosophy

PHI 511 Resources in the History of Philosophy II

Sidney Gelber

The major perspectives of modern philosophy as generated in the 17th and 18th centuries and as related to the intellectual and social issues of the time, as reflected in the writings of Bacon, Hobbes, Spinoza, Locke, Berkeley, Hume, and Kant.

3 credits/AH or SB

Monday, 6:00-8:30 p.m.

PHI 516 Resources in Contemporary Philosophy II: Metaphor

Eva Kittay

Traditionally, metaphor has been exalted by poets but condemned by philosophers and scientists as an unnecessary distraction in language. But today metaphor is recognized by philosophers as an issue of importance not only to literature, myth, and ritual but also to linguistics, psychology, philosophy, and science. Even issues of social policy are influenced by the metaphors we use. Metaphor, by virtue of its persistent use as a pedagogical tool and by virtue of the enhanced literacy of those who understand how to read non-literal language, is important to those interested in the theory and practice of education. And those concerned with artificial intelligence want to understand how metaphor works so that it might one day be possible for computers to make use of its creative potential. In the course we will examine the structure and role of metaphor from some of these different perspectives. We will be exploring the role metaphor plays in both language and thought. We will try to understand the creativity of literary, scientific, and ordinary language characteristic of metaphor.
3 credits/AH or SB
Tuesday, 6:00-8:30 p.m.

PHI 518 Individual Thinkers: John Dewey

Harold Zyskind

Dewey's major writings are studied, seeking a comprehensive view, with special emphasis on inquiry. Selected comparisons, e.g., with James and Whitehead.
3 credits/AH or SB
Thursday, 5:00-7:30 p.m.

PHI 551 Life Histories: The Place of Autobiography

Edward Casey

A number of classical and modern autobiographies will be read—e.g., Augustine, Rousseau, Sartre—with an eye to differences in approach and style. You will be encouraged to begin writing your own autobiography. One focus of discussion will be on comparing childhood with adulthood. Another will be on the role of memory, with special attention given to the narration and reconstruction of your own life history. Developmental issues will be addressed as they affect such areas of experience as gender identity, personal growth, and professional orientation.
3 credits/AH or SB
Wednesday, 7:00-9:30 p.m.

Physical Education

CEP 500 Sport and Society

Colin A. Martindale

An examination of the relationships between the mounting interest in sport and various sociocultural

dynamics in our society and of the behavioral responses of sport participation and spectators to various motivations in our social system.

3 credits/SB

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

CEP 507 Administrative Responsibilities in Physical Education

David C. Rothenberg

This course covers a broad perspective of administrative responsibilities in education, with particular reference to the role of the administrator in athletics. Some of the major areas of interest include personnel responsibilities, governance, finance, supervision, evaluation, and scheduling.

3 credits/SB

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

Political Science

POL 531 Planning

Lee Koppelman

This course addresses the planning process as a decision-making tool in the implementation of public policy in housing, land-use, transportation, and environmental management. The course also investigates intergovernmental roles and the impact of citizen participation on policy changes.

Prerequisite: Permission of instructor or graduate director (246-7745)

3 credits/SB

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

POL 533 Administration and Public Policy

Mark Schneider

A systematic introduction to the principles of public administration and public policy, with an emphasis on the formulation of legislative and administrative decisions. A major part of the course is devoted to student projects which analyze the formulation of a governmental program or policy.

Prerequisite: Permission of instructor or graduate director (246-7745)

3 credits/SB

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

POL 534 Intergovernmental Relations

John Klein

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

Prerequisite: Permission of instructor or graduate director (246-7745)

3 credits/SB

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

POL 540 Accounting for the Public Sector

Louis Soleo

Students in this course learn the basic principles of preparing public sector agency budgets prepared by others. Concepts of fiscal control, accountability, and responsibility are discussed, as are ways of using the budgets as a means of program control. Students are exposed to relevant practices with regard to both operating and capital budgets.

Prerequisite: Permission of instructor or graduate director (246-7745)

3 credits/SB

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

Social Welfare

The following courses are offered by the School of Social Welfare. CED and GSP students who wish to register for any of them must get the permission of the School of Social Welfare and secure the signature of the instructor or the Assistant Dean for Admissions. The Admissions and Recruitment Office of the School of Social Welfare can help you get the necessary permissions. They are located in the Health Sciences Center, Level 2, Room 092; their telephone number is 444-2138/3171.

HWC 540 Parenting and Child Development

Frances L. Brisbane

Emphasis of course is on children's chronological, psychological, and social functioning as these relate to and are influenced by the environment, including background, culture, and attitudes of parents. Examines internal and external factors that determine parenting quotients and the battery of reactions children have in response to different levels of parenting readiness and skills.

Prerequisite: Permission of Assistant Dean for Admissions (444-2138)

3 credits/SB

Thursday, 6:15-8:45 p.m.

HWC 542 Alcohol and Other Drugs

Frances L. Brisbane

Examines attitudes toward the use of alcohol and the medical, social, psychological, and economic aspects of alcoholism. Includes cultural and physical influences of drinking, common characteristics of alcoholics and problem drinkers, an historical perspective about approaches to help the alcoholic, and identification of local treatment resources and a critique of their functions and impact on the problem and disease of alcohol.

Prerequisite: Permission of Assistant Dean for Admissions (444-2138)

3 credits/SB

Wednesday, 6:15-8:45 p.m.

HWC 560 Health Care and the Social Worker

Elinor Polansky

Explores current and potential roles of the social worker from the perspective of health care policy concepts. Identifies effective ways social workers promote strength in people who use health care services and ways of influencing services to best reflect the community and individual need. Covers basic social work and health care concepts and values which inform and effect service.

Prerequisite: Permission of Assistant Dean for Admissions (444-2138)
3 credits/SB

Wednesday, 9:30-12:00 noon

See also courses listed under Allied Health Resources and Health Sciences.

Sociology

CES 580 Deviance and Delinquency

Erich Goode

A survey of recent research on various kinds of deviance—crime, delinquency, and morally stigmatized behavior. Controversial issues in theory and research methods will be discussed.

3 credits/SB

Wednesday, 5:30-8:00 p.m.

Special Education

CEC 542 Education of Exceptional Children and Youth

Kenneth Gadow

An overview of the field of special education: analysis of school, family and community responses to exceptionality; recent issues and trends; introduction to educational needs of the school-aged child and adolescent whose psychoeducational development requires specialized, remedial or adapted teaching approaches; discussion of traditional and innovative approaches and materials in the various areas of special education.

3 credits/SB

Wednesday, 5:30-8:00 p.m.

CEC 546, Sec. 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. Course also includes analyses of individualization approaches and reporting and case conference techniques with school

staff and parents.

Prerequisite: CEC 542 or permission of instructor (246-8652)

3 credits/SB

Monday, 7:00-9:30 p.m. at Huntington High School, Oakwood and McKay Roads

CEC 550 Drug Therapy and the Exceptional Child

Kenneth Gadow

This course discusses the therapeutic use of drugs in the management of hyperactivity, convulsive disorders, and behavior problems associated with mental retardation. Topics include the description, diagnosis, and treatment of these disorders. Special emphasis is placed on the effects drugs have on behavior and classroom performance, side effects, psychosocial aspects of drug therapy, current issues, and the role of teachers as caretakers in the drug regime.

Prerequisite: CEC 542 or permission of instructor (246-8652)

3 credits/SB

Tuesday, 5:30-8:00 p.m.

Technology and Society

CEN 580 Socio-Technological Problems

E.J. Piel

A series of case studies of current socio-technological problems encompassing such areas as health service delivery, water supply, population, emergency medical care, auto safety, noise pollution, and the energy crisis. The problem in each case is studied historically and alternatives are developed in the areas of education, legislation, and technology with consideration of the corresponding technological, economic, and social consequences involved.

3 credits/NS or SB

Tuesday, 6:00-8:30 p.m.

CEN 595, Sec. 21 LOGO and Learning

Charles Kephart

A practical, theoretical, and hands-on introduction to computers using LOGO computer language. The participants will use the computer as a tool for learning. Through LOGO they will acquire a set of skills useful for programming, thinking, and problem solving. Educators on all grade levels will find LOGO especially useful for introducing the computer to any age student. LOGO can be integrated into science, math, and language arts lessons. Specific applications will be developed with participants.

3 credits/NS

Monday, 6:00-8:30 p.m. at Minnesauke School, Bennett Road, Setauket

EST 581/EMP 521 Decision Making

Sheldon J. Reaven

Application of the basic elements of decision-making (criteria, constraints, models, and optimization techniques) to the analysis of potential solutions to the problems which involve technology and its impact on people and the environment. Areas of study include technology forecasting and assessment methods, cost/benefit analysis, resource management, and the matching of technological systems to societal needs.

Prerequisite or corequisite: CEN 580 and B.A. or B.S. in appropriate field
3 credits/NS or SB

Monday, 6:00-8:30 p.m.

EST 583 Computer Literacy

A course to provide a basic understanding of digital computers, how they work, and their applications. Emphasis will be placed on applications in 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.

Remark: Same course as CEN 583.

3 credits/NS or SB

Sec. 1, David L. Ferguson

Wednesday, 6:00-8:30 p.m.

Sec. 21, John Marchisotto

Wednesday, 6:30-9:00 p.m. at Huntington High School, Oakwood and McKay Roads

EST 585 Technology in Learning Systems

Thomas Liao

This course is designed to provide educators with an overview of how technology is being used to improve instruction. Specific areas of study include a systems approach to the design of learning environments; use of technology in the conventional classroom, in language teaching, and for individualizing instruction; use of computers in instruction; and evaluation of the performance of student learning. Future educational uses of technology as well as present applications will be discussed.

Remark: Same course as CEN 585.

Prerequisite: EST 583

3 credits/NS or SB

Thursday, 5:30-8:00 p.m.

EST 590 Project Seminar in Applied Science

David L. Ferguson

A forum for discussion of research methods and project ideas in applied science education for graduate students. Seminar topics will include development and implementation of new disciplines; applied science curricula for secondary schools and community colleges; design and evaluation of educational technological systems. Students will be required to propose and execute a

pilot version of a Master's Project.
Prerequisite: Permission of instructor
(246-8648/8427)
3 credits/NS or SB
Friday, 4:30-6:00 p.m.

See also courses listed under
Computer Science.

Theatre Arts

THR 500 Research, Bibliography, and Critical Writing

Carol Rosen

An introduction to the methodology of research and bibliography. Students will make use of the resources of the SUSB library, the Museum of the Performing Arts at Lincoln Center, the Museum of the City of New York, the Shubert Archives, and the Players Club. Course work includes a collaborative attempt on the part of the students to document the life of two theatre companies—one local and one international—over the span of a decade. Questions about the life of the theatre company to be considered include research about

actors and directors, chronicling of productions, press reactions, annual reports, etc. Accumulated documentation will be maintained and available in the graduate student seminar room for continued research by our students. Students will also have considerable practice in the art of writing criticism.

Prerequisite: Permission of the instructor (246-5670)
3 credits/AH
Thursday, 12:45-3:15 p.m.

THR 501 Theatre History

Rustom Bharucha

An intensive study of selected periods chosen so that they raise a variety of issues and focus on a range of countries and centuries (e.g., 17th century France, England in the 16th century, early 20th century Russia) to supplement rather than repeat areas of study already undertaken by the student in any one year. Emphasis will be on production and performance. A specified list of plays will provide points of attention throughout.

Prerequisite: Permission of the instructor (246-5670)
3 credits/AH
Tuesday, 5:30-8:00 p.m.

THR 502 History, Theory, and Practice of Acting

John Russell Brown

An examination of the principles of

acting, with special attention to its history and the work of leading actors and theorists. Seminar work is supplemented by a practicum where students are engaged in various aspects of the craft. Students will observe the work of skilled professional actors in rehearsals, workshops, and performances.

Prerequisite: Permission of the instructor (246-5670)
3 credits/AH
Monday/Friday, 5:00-7:00 p.m.

THR 521 Lighting and Sound Design and Control

Robert Heller

A practical approach to the tradition and craft of lighting and sound design. The course has both a seminar component and a practicum where work on actual campus productions will take place.

Prerequisite: Permission of the instructor (246-5670)
3 credits/AH
Tuesday, 5:00-7:30 p.m.



Admission and Degree Requirements

(MA/LS Program)

The MA/LS Degree

The Master of Arts in Liberal Studies program is designed for students who do not want to be confined to a narrow field of study but who are looking for the broader range of academic experiences that a liberal arts program permits. Students plan an interdisciplinary program of study that includes courses from three general subject areas: Arts and Humanities, Natural and Applied Sciences, and Social and Behavioral Sciences. At the same time each student is able to concentrate in an area of interest to him or her.

Because of its eclectic nature, the MA/LS is what is called a "terminal" or non-research degree. In other words, it does not provide students interested in later entering a doctoral program with the necessary prerequisites.

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.

During the first two weeks of classes each semester, the office is open Monday through Thursday from 9:00 a.m. to 8:00 p.m. and until 5:00 p.m. on Friday. After that, while classes are in session, 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.

Between semesters, office hours are Monday through Thursday, 9:00 a.m. to 5:30 p.m., and until 5:00 p.m. on Friday.

The Dean is available by appointment to meet with anyone who has suggestions to make about any aspect of CED's graduate program. Please call 246-5936 if you wish to schedule an appointment with the Dean.

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 you may need to contact. If you write to any of them, add to the address: SUNY at Stony Brook, Stony Brook, NY 11794.

Teacher Certification

Please see the section entitled University Services and Facilities for information about how you may work toward provisional and permanent certification through the MA/LS program.

How to Apply for Admission

If you hold a bachelor's degree or its equivalent or an advanced degree from an accredited institution of higher learning, you are eligible for admission to the MA/LS program.

You may 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 246-5936. When you are ready to submit your application, call 246-3301 to make an appointment with an advisor to plan your course of study. Bring your completed application with you to that meeting.

It is a good idea to arrange your interview with an advisor as far ahead as possible of the semester when you wish to begin classes. This will give you more time to consider course options before you register. You will be admitted after your admissions interview and as soon as CED has received an official transcript of your academic record from the institution where you earned your undergraduate degree.

Even if you miss the deadline for applying to CED's degree program or your transcript is late in arriving, it will still be possible for you to register for any semester. The CED office will be glad to explain how this can be done and to assist you to register.

Foreign Student Admission

English Proficiency

If your first or native language is not English or you have pursued your higher education in a

non-English-speaking country you must demonstrate proficiency in reading, writing, and speaking English. You can do this by presenting acceptable scores on the Test of English as a Foreign Language (TOEFL). This test is given at centers throughout the world on several dates each year. You may obtain the testing schedule and registration information by writing to TOEFL, Educational Testing Service, Princeton, NJ 08540. Your admission to the MA/LS program is contingent upon satisfactory fulfillment of the English proficiency requirement. You must have a minimum score of 500 for admission and 550 for most forms of financial support.

Financial Verification

If you are not a citizen or a permanent resident of the United States you must also provide the University with verification that the necessary funds are available to finance your education at Stony Brook. You must submit University Form SUSB 1202 in order to receive an I-20 document.

I-20 and I-94 Documents

Government regulations require that every foreign student attend the institution which issued the I-20 used for entry into the United States. Transfers are possible, but only if you can show that you have been enrolled at the original institution and then only if you receive the appropriate clearance from Immigration and the institution concerned. If you are a foreign student on a student visa you must register as a full-time student.

MA/LS Degree Requirements

Students admitted for Fall 1984 and thereafter

Some revisions have been made in the MA/LS requirements which affect students admitted for Fall 1984 or thereafter. If you are one of this group, you 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 (AH), the Natural and Applied Sciences (NS), and the Social and Behavioral Sciences (SB). The foundations courses are listed at the beginning of the preceding course listings. They are designed to introduce many of the major concepts and scholarly techniques of a broad area of knowledge and to give the student practice in using these scholarly techniques in preparation for more advanced course work. The courses are coded so that you can tell to which area each one belongs. The first foundations course from the Natural and Applied Sciences will be offered in Spring 1985.

2. *A cluster of courses (18 credits) related by theme or subject.* You will have the opportunity to develop, with the guidance and approval of a CED advisor, a cluster of courses that suits your

particular needs or interests. A few examples of themes around which clusters may be planned are:

Biological Sciences	Labor/Management Studies
Technology and Society	Mathematics Teaching
Special Education	Social Studies Teaching
Policy Analysis and	English Literature
Public Management	Philosophy

This is only a partial list of possible cluster topics.

3. *Three elective credits.*

4. *A master's essay.* As a candidate for the MA/LS degree you are required to submit a research paper in your cluster area which shows that you can develop ideas and use analytical skills at the master's level. You must attach a cover sheet to your research paper before you submit it to the instructor. Cover sheets and complete information on the standards and procedures necessary to meet this requirement are available from the CED office.

Students admitted after May 1, 1977

If you were admitted to the MA/LS Program after May 1, 1977, you must complete a 30-credit course of study which includes:

1. *An 18-credit cluster of courses* related by theme or subject. You will have the opportunity to develop, with the guidance and approval of a CED advisor, a cluster of courses that suits your particular needs or interests. A few examples of themes around which clusters may be planned are listed in item 2 above.

2. *Twelve elective credits.* What courses you choose as your electives depend on your overall needs in completing the degree requirements.

3. *Courses from three general subject areas.* Among the 30 credits you must take a minimum of 6 from each of three general subject areas. The three areas are: Arts and Humanities, Natural and Applied Sciences, and Social and Behavioral Sciences. (See the section entitled "Classification of Courses" to find out how to determine to what general area a course belongs.)

4. *The MA/LS essay requirement.* As a candidate for the MA/LS degree you are required to submit two research papers or projects which should be from different general subject areas (see the areas listed in item 3 above) and which show that you can develop ideas and use analytical skills at the master's level. Papers or projects are usually chosen from among those you would ordinarily submit to satisfy a graduate course requirement.

If you plan to use a paper assigned for a course for the essay requirement, it is a good idea to let your instructor know this early in the semester so that he or she can help you plan a paper acceptable for both the course and the MA/LS essay requirement. When you submit your paper to the instructor, you must attach a cover sheet. Cover sheets and complete information on the standards and procedures necessary to meet this requirement are available from the CED office.

Students admitted before May 1, 1977

If you were admitted to the MA/LS program before May 1, 1977, you may elect to follow *either* the Distribution or the Cluster requirements

(described above) in order to earn the MA/LS. Under the Distribution requirements you must complete 30 credits of graduate work at an appropriate level of academic performance. A thesis or master's essay is not required; neither is a comprehensive examination. The 30 credits must be divided among the three general subject areas of Arts and Humanities, Natural and Applied Sciences, and Social and Behavioral Sciences as follows:

1. A minimum of 9 credits from each of two general subject areas.
2. A minimum of 6 credits from the third general subject area.
3. Six additional credits chosen from any area you desire.

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 GPA for the 30 credits used to earn the MA/LS. Grades earned in transferred courses may not be included in the GPA calculation to determine your eligibility for graduation.
2. Complete all requirements within seven years from the date of admission into the MA/LS program.

MA/LS Credit Limitations

1. You may apply no more than 12 credits earned at Stony Brook as a non-matriculated student toward the requirements for the MA/LS or any other Stony Brook graduate degree. (Also see "4" below.)
2. Only Stony Brook credits, no more than ten years old at the time you are admitted or readmitted into the MA/LS program, may be used for degree credit.
3. A maximum of 6 credits from another institution that are no more than five years old at the time you are admitted or readmitted into the MA/LS program may be transferred toward the degree requirements. Transfer is not automatic. You must request it, and then it must be reviewed and approved by CED. (For complete information, see item 4 below and the section that follows on transferring graduate credits from other institutions.)
4. The maximum number of transfer credits (combination of non-matriculated Stony Brook credits and external credits from another institution) that you may use for MA/LS credit is 15. In other words, if you enter the program with 12 non-matriculated Stony Brook credits, the maximum credits you may transfer from another institution is 3. Or, if you transfer 6 credits from another institution, the maximum number of non-matriculated Stony Brook credits you will be able to use to earn the MA/LS is 9.

Academic Advising

When you enter the MA/LS program you are required to meet with an advisor at the time of your admission in order to plan a program of study. CED advisors are also available by appointment to meet with anyone interested in discussing CED's graduate courses and program options. To make an appointment, call 246-3301.

Classification of Courses

CED classifies courses into one or more of three general subject areas: Arts and Humanities, Natural and Applied Sciences, and Social and Behavioral Sciences.

Each of the courses listed in this bulletin carries a code signifying under which of these areas it falls: **AH** (Arts and Humanities); **NS** (Natural and Applied Sciences); and **SB** (Social and Behavioral Sciences).

Arts and Humanities include offerings from the departments of art, comparative literature, English, foreign languages, music, philosophy, religious studies, and theatre arts.

Natural and Applied Sciences include offerings from the departments of applied mathematics, biological sciences, chemistry, computer science, earth and space sciences, marine sciences, mathematics, physics, technology and society, and the College of Engineering.

Social and Behavioral Sciences include offerings from the departments of allied health resources, anthropology, economics, health sciences, history, industrial management, labor/management studies, linguistics, mid-life assessment, physical education, political science, psychology, social sciences interdisciplinary, social welfare, sociology, special education, and policy analysis and public management.

Transferring Graduate Credits from Other Institutions

1. You may transfer towards the MA/LS degree a maximum of 6 graduate credits taken at accredited institutions. These credits must be from an institution that is authorized to grant graduate degrees by recognized accrediting commissions.
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 transferable 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 your grade point average nor in any evaluation of your academic standing in the MA/LS degree program.
4. Credits must be no more than five years old at the time you are admitted to the MA/LS Program. This policy became effective January 1, 1984 and applies to all students, new or continuing, who seek to transfer credits from now on.
5. No credits used to fulfill a requirement for either a baccalaureate or another degree may be transferred toward MA/LS degree credit.

6. No credits earned through an abbreviated program such as a weekend college, mini-course, or field studies may 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 your MA/LS requirements will be determined by CED's Transfer Credit Advisor.

9. When a transferred course has been determined to have a Stony Brook equivalent, you may not take this equivalent for credit toward the MA/LS degree.

10. No credits may be transferred until you have completed one course as a CED student.

11. After admission into the MA/LS Program, you *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 are available in the CED office, together with instructions for filing.

Independent Study

You may pursue a specific area of academic investigation through independent study. To be eligible to register for independent study, you must:

1. Have completed at least 6 credit hours of graduate coursework at Stony Brook.
2. Have maintained at least a B average in that graduate work.
3. Show evidence that you have sufficient library and research skills to undertake independent study.
4. Prepare a proposal describing what you would like to do and then obtain the sponsorship of a Stony Brook faculty member who is willing to supervise your work.
5. Complete and submit an Application for Independent Study form which is available from the CED office. Your application must be signed by your faculty sponsor and his or her chairperson and submitted *well in advance of a semester's final registration dates* for review by a faculty committee.

The maximum number of credits of independent study that may be applied toward the MA/LS degree is 6.

Graduation

You are eligible for graduation when you:

1. Have completed, within seven years of the date when you were admitted into the degree program, 30 graduate credits that satisfy the requirements of the program under which you were admitted. (The requirements you are under depend on your admission date.)

2. Have a 3.0 cumulative grade point average in all graduate courses taken as a graduate student at Stony Brook as well as a 3.0 GPA for the 30 credits used to earn the MA/LS.

When you expect to have completed all degree requirements by the end of a semester you must notify the CED office and submit an application to graduate. Applications are available in the CED office. You may graduate in May, August, or December of any year. The deadline for applying for graduation any semester is published in CED's bulletin for that semester. The deadline for applying for December 1984 graduation is Friday, September 21.

One commencement ceremony is held every year in May to which not only the previous year's August and December graduates and their families are most cordially invited but also the May graduation candidates and their families.

Grading System

Graduate students are graded on the following system:

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

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 give 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 a 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 22 for courses taken during the preceding fall semester; November 1 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 final grade is not reported to the Registrar by the specified dates, the grade of I will automatically be changed to 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 in recording the registration information submitted

by the student) 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 an NR/F (lapsed NR).

Transcripts and Reporting of Grades

Grades will be mailed by the Registrar to your home address at the close of each session. You 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."

Exceptions to Academic Regulations

Any CED or GSP student who finds that extraordinary personal circumstances seem to require an exception to be made to any academic regulation may place his or her case before the CED Committee on Academic Standing in the form of a petition. Petitions may be filed either on the forms available in the CED office or as letters addressed to the CED Committee on Academic Standing. Whatever form is used should be typed, if possible, or handwritten neatly and legibly.

Students who have questions regarding academic regulations should be sure they get 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 verbal advice, right or wrong, by someone in the CED office cannot be honored.

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-matriculating) students. You should keep it on hand for reference since you are responsible for familiarizing yourself with and abiding by all the rules and regulations that apply to CED and GSP students.

All programs, regulations, and schedules of dates are offered subject to change or withdrawal depending on the availability of funds and the approval of programs by appropriate State authorities.

Academic Dishonesty

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.



Registration Information

(For Evening Graduate Students)

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

Mail Registration

If you were a CED or GSP graduate student registered for courses at some time within the last year you will be sent materials for registering entirely by mail. You will be asked to have your fall registration requests in CED's hands no later than Wednesday, June 27, 1984. This group of advance registrants will be billed and will be able to pay by mail. The deadline for mail payment will be Wednesday, August 1, 1984.

Walk-in Registration

You may register in person between 10:00 a.m. and 4:00 p.m., beginning April 18, if you have a permit to register and a registration form. If you need them, permits and forms are available from the CED office. The procedures to follow for walk-in registration, depending on when you register, are summarized below. Walk-in registration ends on Friday, August 24.

April 18-19 and April 30-June 29 (except May 28)

Submit your completed registration form and permit to register to the Registrar, 2nd-floor lobby of the Administration Building, where you will be given a computer-generated receipt confirming your registration. You will be billed at a later date.

July 2-August 24

1. Bill Preparation: Take your registration form and permit to register to the Office of Student Accounts, 2nd-floor lobby of the Administration Building, to have a bill prepared. During the week of August 20, "Step 1" is to go first to the Lecture Center and then follow the steps listed here.

2. Payment of Fees: Proceed to the Bursar's windows and pay current fees and any previous balance. You may charge your registration to VISA or MasterCard.

3. Completion of Registration: After you have settled your account with the Bursar, submit your registration form to the Registrar. You will be given a computer-generated receipt confirming your registration.

Final Evening In-Person Registration

If you did not register by mail or cannot register in person during the day, you can register on campus on Wednesday evening, August 22, between 5:30 and 7:00 p.m. Registration will begin in S-228 Social and Behavioral Sciences Building. Tuition and fees must be paid on August 22 if you are registering on that date. 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, August 27, and ends Monday, September 10. A late registration fee of \$20.00 will be charged during this period.

Non-Matriculated Graduate Student Registration

If you are interested in taking graduate courses at the University but do not wish to work for an advanced degree, you may apply for admission as a non-matriculated graduate student, classified GSP 90. To be eligible for admission on this basis, you must hold a baccalaureate degree.

You may obtain an application for admission as a non-matriculated graduate student from the office of 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 if that is possible. 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. If you wish to take other Stony Brook courses, you will need the permission of the department offering the course. Registration in most graduate courses is limited to the department's matriculated students. In others, qualified non-matriculated students might be accepted on a space-available basis.

If you plan to enter a graduate degree program, you should keep in mind that the *maximum* number of credits which you can earn as a non-matriculated student that may later be applied to any Stony Brook graduate degree is 12.

CED represents the University's GSP 90 students, and its staff is available to help you with any administrative or academic problems, other than admission to another department's graduate program.

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

Eight credit hours, or two courses, is considered the maximum credit-hour load for a CED or GSP student. If you wish to register for more than 8 credits, you must obtain permission to do so from a CED advisor prior to registration. Without permission, you will be unable to register for more than 8 credits.

Registration in Non-CE Graduate Courses

If you wish to register for a graduate course other than one with CE in the course designator, you usually must obtain the permission of the department offering the course. Registration in many of these other courses is limited to matriculated students in the department. Some departments occasionally accept other qualified students on a space-available basis.

The only non-CE courses that do not require permission are those listed in this bulletin that do not cite that prerequisite.

Registration in Undergraduate Courses

No undergraduate courses may be used to meet the requirements for the MA/LS or any other graduate degree. If you wish to register for undergraduate courses for other purposes, you must obtain permission to do so from the department offering the course.

Repetitive Credit

You should never register for a course with the same number as a course you have previously taken unless the description clearly states that it may be taken for repetitive credit. Unless a course carries this statement, you 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 535 The Experience of Literature, which may be taken more than once if the subheading is different each time.

Auditing

Auditing is permitted by special arrangement between student and instructor. No record is kept

of courses audited. For information about Stony Brook's Senior Citizen Auditor Program, call 246-3305.

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. You may obtain an I.D. card from that office if you present a receipt for payment of registration fees or a confirmation of your registration.

If you already have an I.D. card it should be validated for each semester you register. This too 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, while classes are in session or until 5:00 p.m. on Friday and at other times.

Address and/or Name Change

Be sure you notify CED and the Office of Records of any address or name changes that occur to be sure that you receive without delay registration information, grade reports, and other important correspondence from the University. If you wish to make a name change, the University must have some proof of the change such as a driver's license, passport, marriage certificate, court action papers, or Social Security card.

Financial Charges

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

Financial Liability

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

If you register by mail or in person, you must assume you are registered, whether or not you receive a confirmation or a bill. You will be held financially liable for your registration unless you officially cancel it through the Office of Records/Registrar.

If you decide to cancel your registration or to drop a course, the date when you submit an official request to make the change determines your eligibility for a refund. Any refunds are made in accordance with the Schedule of Tuition Liability printed later in this section.

Tuition and Fees (Graduate Students)

All fees and charges are subject to change without notice.

Application Fee

\$20.00 for students applying to matriculate into a degree program.

New York State Resident Tuition

\$90.00 per credit hour for 1-11 credits.
\$1,075.00 per semester if registered for 12 credits.

Out-of-State Resident Tuition

\$133.00 per credit hour if registered for 1-11 credits.
\$1,592.50 per semester if registered for 12 credits.

College Fee (required of all students):

85 cents per credit hour for 1-11 credits.
\$12.50 per semester if registered for 12 credits.

Student Activity Fee: \$7.00 (CED students).

Lost Identification Card Fee: \$3.00.

Late Registration Fee: \$20.00 (applicable first day of classes, Monday, August 27, 1984).

Late Payment Fee: \$20.00.

Returned Check Charge: \$5.00.

Late Add/Drop Fee: \$10.00 (applicable Monday, September 24, 1984).

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

You must pay all fees to the Bursar. The Center for Continuing Education is not empowered to collect money and cannot be responsible for money sent to the CED office. You may also charge your registration fees to VISA or MasterCard.

Changes in Registration and Withdrawals

If you want to make a change in your registration or withdraw from a course, you must follow the University's procedures for doing so. This is the only way to assure that you will receive credit for a course, obtain any refund you are entitled to, or avoid having an F grade on your academic record. Remember, if you register by mail or in person before the start of classes you *must* assume you are registered, whether or not you receive any confirmation or bill or attend class. If you change your mind about attending school, you must still follow the procedures outlined below.

To Add or Drop a Course

If you are a CED or GSP student, officially registered and wishing to make a change in your class schedule by adding or dropping a course, you have until Friday, September 21 to do so. Courses dropped by that date will be deleted from your record. Courses dropped after that date will remain on your record with the notation of a W (withdrawal).

You may obtain add/drop forms at the Registrar or the CED office. Once classes have begun, you must have the permission of the instructor to add any course.

Please note that you will be liable for part of the tuition for any course dropped after September 10, according to the Schedule of Tuition Liability shown at the end of this section, unless you substitute a course of equal credit value by September 21.

To Make a Late Registration Change

To drop a course or to make any other registration change after September 21, you must petition the CED Committee on Academic Standing for approval to do so and must justify your failure to meet the deadline set for changes. If your petition is approved, you will be required to pay a \$10.00 fee before the change you have requested is made.

To Withdraw from All Courses

Graduate students wishing to withdraw from all courses for which they are registered have until Friday, December 14, to do so. To withdraw, you must notify the Registrar on the appropriate form which may be obtained from the Registrar or the CED office. Withdrawal from the University will be recorded on your 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 you file this form with the Registrar, not the date of last class attendance. *Non-attendance or notification to the instructor does not constitute formal withdrawal.* Failure to withdraw officially from a course could result in your receiving an F grade.

Refunds

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

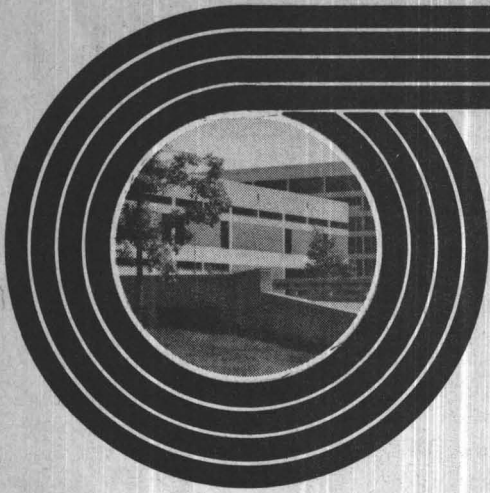
Requests for a refund of the student activity fee should also be addressed to the Office of Student Accounts. As determined by Polity (Undergraduate Student Government) or GSO (Graduate Student Organization), full refunds of the student activity fee will be granted if you withdraw within the first two weeks of classes. No refunds will be granted after the first two weeks of classes.

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.

Please allow three to four weeks for processing any refunds that you may request.

Schedule of Tuition Liability

Liability during:	Liability	Refund
1st week (8/27/84-8/31/84)	0%	100%
2nd week (9/3/84-9/10/84)	0%	100%
3rd week (9/11/84-9/14/84)	50%	50%
4th week (9/17/84-9/21/84)	70%	30%
5th week (9/24/84-9/28/84)	100%	0%



State University of New York at Stony Brook

The State University of New York at Stony Brook is the public University Center for Long Island and metropolitan New York. Established in 1957, the University has grown to enroll more than 16,000 students. Its internationally distinguished faculty of 1280 members last year attracted over \$37 million in external research support. The campus, with 98 buildings on a thousand acres, houses 71 undergraduate and graduate departmental and interdisciplinary majors.

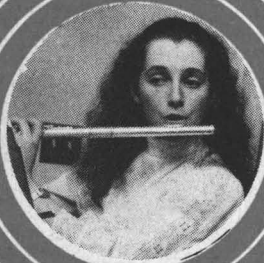
The major academic units consist of the College of Arts and Sciences, College of Engineering and Applied Sciences, W. Averell Harriman College for Policy Analysis and Public Management, Graduate School, Center for Continuing Education, and the Health Sciences Center's five schools for the training of physicians and other health care professionals. The 540-bed University Hospital began phasing in its operations in 1980 and offers modern facilities for patient care and research as well as instruction.

The Fine Arts Center offers a year-round program of concerts and recitals, theater performances, art exhibits, and other events open to the public. The University's scholarly collections, which exceed 1.4 million bound volumes and an additional 1.9 million items in microformat, are housed in the Frank Melville, Jr. Memorial Library, the Health Sciences Library, and five major branches.

Among the University's specialized institutes, the Marine Sciences Research Center's extensive program of graduate instruction, research, and service activities in coastal oceanography is especially responsive to the environmental and other needs of the Long Island-metropolitan region. The Center for Industrial Cooperation provides a channel to apply the University's academic resources to the development of high technology and related industry in the region and across the state.

Visitors are welcome to tour the campus, which has convenient parking facilities, seven days a week.





Open to the Public

Many of Stony Brook's resources and events are available to the public. The names and telephone numbers of some of them are listed below for your convenience.

Library

Reference, periodicals, current books, special collections, etc. Open to the public for in-library use only. Call 246-5650.

Gymnasium

Pool and other facilities open to students and the public at specified times. Call 246-6790.

Senior Citizen Auditing Program

If you are 60 years of age or older you are entitled to audit any New York State-funded credit-bearing course offered at SUNY at Stony Brook free of charge, provided there is space available. The only exceptions to this policy are laboratory courses, studio art courses, instrumental music courses, and courses offered in such self-supporting programs as Management Seminars and the Real Estate Licensing courses.

Senior citizens may register for the fall semester on Wednesday, August 29, between 10:00 a.m. and

3:00 p.m. in the second-floor lobby of the Social and Behavioral Sciences Building. The Senior Citizen Auditing Program office will help you in the selection of courses and in registering. For further information, call 246-3305.

Galleries and Exhibits

Several small art galleries and exhibit areas are located around the campus. These are located in the Administration Building lobby, the Fine Arts Center, the Library, the Museum of Long Island Natural Sciences, and the Student Union. They are open to the public at no charge when the buildings are open. In addition, the Fine Arts

Center Gallery, adjacent to the Fine Arts Center theaters and concert halls, is usually open before evening performances and the Museum of Long Island Natural Sciences is usually open on Astronomy Nights (see below).

Fine Arts Center

Theatrical productions, art exhibits, concerts, and recitals take place year-round. A monthly calendar of events is published and mailed to members of the Friends of the Fine Arts Center. Call 246-3371 about membership in the Friends. For information about performances and tickets, call the Fine Arts Center Box Office at 246-5678.

In addition to the Fine Arts Center's professional and student concerts, dance, and theatrical productions for which tickets are sold, a wide variety of recitals take place each year which are open to the public at no charge. Student discounts are also available for many performances for which tickets are sold. Call 246-5678.

Astronomy Nights

Lectures focusing on recent developments in astrophysical research are offered free to the public, usually the first Friday of every month (except January) during the academic year. They are followed, weather permitting, by a viewing session with the University's recently acquired small telescopes. Call 246-7670 for a lecture schedule and additional information.

Museum of Long Island Natural Sciences

The Museum offers lectures on Long Island, its geology, archaeology, and natural and social history. It also sponsors nature programs featuring bird and wildflower walks. For a schedule of events and/or information about becoming a Museum member, call the Museum at 246-8373. The Museum is open 1:00 to 5:00 p.m., Monday through Friday, during Astronomy Nights, and for special events.

Arms Control Resource Center

The Center for Continuing Education sponsors the Arms Control, Disarmament, and Peace Studies Resource Center, located on the first floor of the Old Chemistry Building. The Resource Center offers access to specialized information in the fields of arms control, disarmament, and peace studies.

The Resource Center is staffed by University and community volunteers. It houses selected documents from governmental and non-governmental organizations, bibliographies, reprints, and guides to other academic resources at the University and in the Long Island region.

For directions to the University or information about the programs or membership in the Resource Center, call 246-3450 from 9:00 a.m. to 5:00 p.m., Monday through Friday.

FM Radio Station

The campus radio station, WUSB 90.1 FM in stereo, operates nearly 24 hours a day, every day of the year, and can be heard throughout Suffolk County and eastern Nassau County. Public affairs programs are aired Monday through Friday, from 2:00 to 3:30 p.m. and 6:00 to 7:00 p.m. These include such locally produced programs as *SUNY Side Up*, *Here at Stony Brook*, *Tribute*, and several public affairs call-in programs. Nationally distributed programs such as the award-winning radio series on current events, *Consider the Alternatives*, along with *Jazz Alive!* and *In Black America* are also part of the WUSB program schedule.

Daily program information can be obtained by calling 246-3646. To receive a program guide, write to WUSB, Stony Brook Union, SUNY at Stony Brook, Stony Brook, NY 11794-3263; or call 246-7900.

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 246-6559.



Non-Credit Programs

In addition to its part-time graduate and undergraduate programs, the University offers a variety of specialized and non-credit programs which are open to the general public. These fall into three main categories:

1. Short, intensive management seminars for business people for continuing education credit (CEU). Offered weekdays September through June.
2. Professional development and pre-licensing courses in such areas as real estate and amateur radio. Offered during fall and spring semesters.
3. Continuing education programs for allied health professionals.

Management Seminars

Intensive one- to three-day management seminars for the business community are taught by professionals in their fields who are experienced seminar leaders. Students participating in the seminars will receive continuing education unit credit (CEU) based on the hours of attendance. The seminar fees include all course materials and lunches. Some forthcoming seminars will include:

Construction Cost Estimating and Bidding
September 17-18, 1984

Reducing Costs in Materials Management
September 20-21, 1984

Effective Presentation Skills
October 11-12, 1984

Managing Conflict
October 15, 1984

Handling Discipline Effectively
October 16, 1984

Delegation: An Essential Management Skill
October 17, 1984

Office Automation
October 23-24, 1984

Import/Export Procedures
November 2, 1984

Planning and Managing Warehouse Operations
November 15-16, 1984

The Woman Manager: Developing Executive Skills
December 3-4, 1984

Advanced Technology Seminars

A series of technology seminars for engineers and scientists seeking to keep abreast of the rapid explosion in scientific and technical information is

planned at Stony Brook for the Fall 1984 semester. Topics to be offered include:

Introduction to ADA Programming Language
October 22 and 29, 1984

Linear Multivariable Systems
September 24-26, 1984

For a brochure and registration information about these and other management seminars, please contact Edna Zemanian at the Management Seminars Office; telephone 246-7113.

Real Estate Licensing Courses

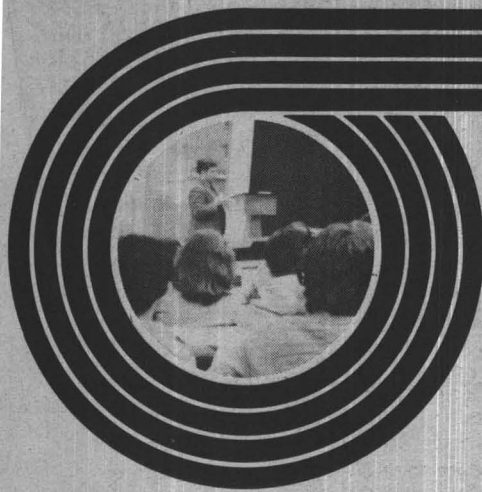
Real estate licensing courses, approved for certification by the New York Department of State, enable real estate salespersons and brokers to meet the state licensing requirements that went into effect on November 1, 1979. Stony Brook gives the real estate salesperson course, 100.1; the broker's course, 100.2; and continuing education modules during the spring and fall semester each year.

For further information, or to receive a brochure giving complete details of the real estate courses, contact Edna Zemanian at the Management Seminars Office; telephone 246-7113.

Continuing Education for Allied Health Professionals

The School of Allied Health Professions offers continuing education programs for allied health practitioners. These vary in length from half-day to multi-day formats and include topics of interdisciplinary as well as single discipline interest. All are approved for continuing education credit. The School has been awarded a federal grant to establish a National Resource Center for Health Promotion/Disease Prevention. Specific programs will provide educators, students, and practitioners with the necessary competencies for incorporating health promotion and disease prevention concepts into allied health education and practice.

For further information, or to be placed on the mailing list, contact Elaine Friedman, Director, Continuing Professional Education; telephone 444-3209.



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. If you wish to pursue any of the areas of study listed below, you should enroll as a CED student in the MA/LS program, following the procedures listed earlier in this bulletin.

Labor/Management Studies

Labor/Management Studies offers a structured, multidisciplinary cluster of graduate courses designed to improve the skills and expand the intellectual horizons of people interested in labor-management relations. Students desiring a systematic understanding of the field will be counseled to proceed from the initial survey courses through the more advanced subject matter.

A cycle of fourteen courses explores labor relations, collective bargaining, arbitration, personnel administration, and the history and culture of the American worker. Five courses are offered each semester.

Students interested in the MA/LS degree with a Labor/Management Studies concentration can build an 18-credit cluster of Labor/Management Studies courses and appropriate electives chosen from the fields of anthropology, allied health, industrial management, mid-life assessment, political science, and sociology. Labor/Management Studies courses also serve as electives in the master's degree programs in allied health, industrial management, public affairs, and policy analysis and public management.

Because Labor/Management Studies seeks to serve those with professional interests, its faculty includes outstanding practitioners in the field and the curriculum features participation in mock labor negotiations, grievance hearings, arbitrations, recruiting interviews, etc. This widespread use of role-playing contributes to the vitality and utility of this curriculum.

The following courses are offered in Labor/Management Studies:

Personnel Administration

- A Survey of Personnel Administration (proposed)
CES 511 Human Relations in the Workplace
CES 513 New Developments in Personnel Administration
CES 523 Personnel Management in the Individual Firm or Organization

Labor Relations, Collective Bargaining, and Arbitration

- A Survey of Labor Relations (proposed)
CES 514 Collective Bargaining and Arbitration in the Public Sector
CES 518 Contemporary Issues in Labor Relations
CES 519 Grievance Handling and Arbitration
CES 520 Will the North Rise Again? The Crisis of De-Industrialization
CES 524 Labor Negotiations Workshop

The History and Culture of the American Worker

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

For further information, write to: Professor Vera Rony, Labor/Management Studies, N-201 Social and Behavioral Sciences Building, SUNY at Stony Brook, Stony Brook, NY 11794-4310; telephone 246-6785.

Mid-Life Assessment

The Mid-Life Assessment curriculum is composed of a multidisciplinary group of graduate courses which focuses attention upon the relationship among aging, personality, work, and lifestyle. The curriculum is designed to be of particular interest to people in the personnel, guidance, training, and continuing education fields.

Successful completion of the initial course (CEX 500), four of the electives, and the counseling course (CEX 501) 502) will lead to a letter of completion signed by the Mid-Life Assessment Director and the Dean of the Center for

Continuing Education. Related courses which may be used as electives are listed below.

- CES 513 New Developments in Personnel Administration
- CES 515 Fundamentals of Personnel Administration
- CES 517 Women, Work, and Dollars
- CES 565 Personality: Theories and Assessment
- CET 507 Social and Cultural Aspects of Aging
- CET 587 Work and Society
- CEX 503 Family Intervention
- CEX 506 Retirement in American Society
- CEX 508 Personal and Family Finance
- HAS 516 Health and the Aging Process
- CEX/HAS 510 Community Resources for the Elderly
- CEX/HAS 518 The Mid-Life and Older Woman: Potential and Problems

For further information, write to Dr. Alan Entine, Mid-Life Assessment Office, N-235 Social and Behavioral Sciences Building, SUNY at Stony Brook, Stony Brook, NY 11794-4310; telephone 246-3304.

Coaching Accreditation

To meet the demand for high school coaches in Nassau and Suffolk County school districts, the Physical Education Department at Stony Brook has received authorization from the State Education Department to implement 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. Waivers of the Practicum can be given to those coaches who have had previous coaching experience, upon evaluation by examiners chosen by the University. However, accreditation will be sport specific.

In addition to meeting the requirement for coaching accreditation, each of the above courses can also be used for graduate credit toward the MA/LS degree offered by the Center for Continuing Education.

For further information, call Professor Colin Martindale of the Physical Education Department, 246-6790.

Office of Special Education

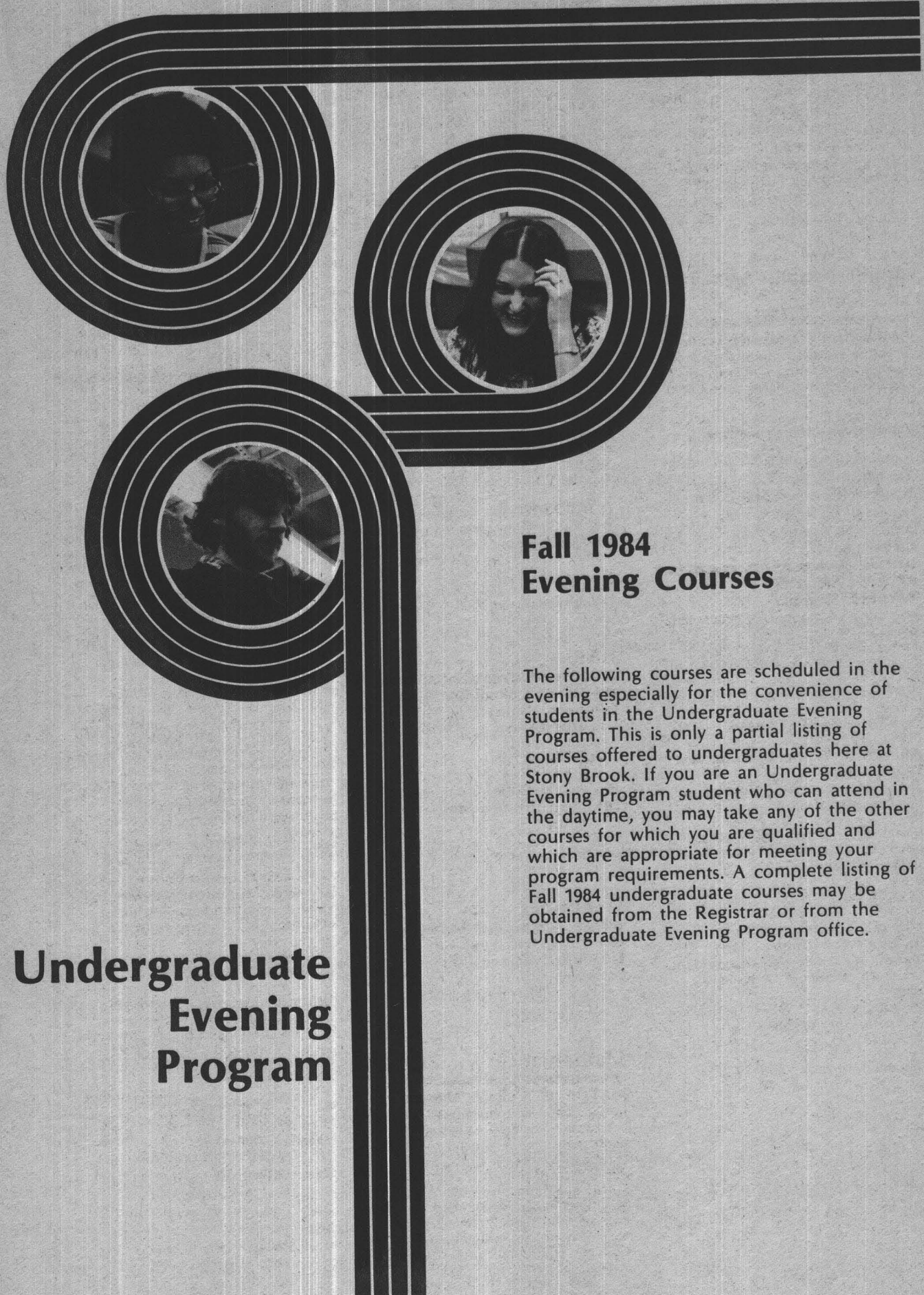
The Office of Special Education offers courses which may be used by students in the MA/LS program as a special education cluster.

The Special Education concentration permits teachers, counselors, and others working with exceptional students to increase their knowledge about the needs of exceptional students and how to respond appropriately to them. The courses, designed and taught by the special education and psychology faculty, provide both the theoretical and practical coursework needed to teach how to analyze, remediate, or enrich the educational experience for the child with special needs.

The basic course is CEC 542 The Education of Exceptional Children and Youth. Five more courses from the following list may be added to make up an 18-credit cluster in the MA/LS program:

- CEC 545 Curriculum Materials for Teaching Mentally Retarded Children
- CEC 546 Diagnosis and Educational Planning for Learning Disabled
- CEC 547 Laboratory in Instructional Strategies for Children with Special Needs
- CEC 548 Teaching Gifted Children
- CEC 549 Using Books and Media with Gifted Children
- CEC 550 Drug Therapy and the Exceptional Child
- CEC 551 Principles and Practices in Early Childhood Education
- CEC 552 Computer Applications for Gifted Children
- CEC 553 Psychological and Educational Measurements in Special Education
- CEC 554 Resource Room for Learning-Disabled Adolescents
- CES 560 Application of Learning to Behavior Modification
- CES 562 Behavior Modification in the Schools
- CES 567 Behavior Disorders
- CES 569 Psychological Disorders of School Children
- CEE 560 Human Development: The Preschool Years
- CED 599 Independent Study (prior approval by special education faculty required)
- HAS 509 Communication Disorders

At the present time, these special education courses *cannot be used to obtain provisional certification in special education*. However, those people who are *already* provisionally certified in special education may use the MA/LS degree to satisfy the master's degree requirement for permanent certification. Staff members of the Office of Special Education are available for individual counseling about special education. To make an appointment, please call 246-8652.



Undergraduate Evening Program

Fall 1984 Evening Courses

The following courses are scheduled in the evening especially for the convenience of students in the Undergraduate Evening Program. This is only a partial listing of courses offered to undergraduates here at Stony Brook. If you are an Undergraduate Evening Program student who can attend in the daytime, you may take any of the other courses for which you are qualified and which are appropriate for meeting your program requirements. A complete listing of Fall 1984 undergraduate courses may be obtained from the Registrar or from the Undergraduate Evening Program office.

Anthropology

ANT 360 Ancient Mesopotamia

The organization and development of the Mesopotamian social, economic, political, and religious systems. Both archaeological and textual data deriving from ancient civilizations will be used, and the judicious use of ethnographic analogy will be explored as an aid in understanding this past culture.

Prerequisite: ANT 216

3 credits

Wednesday, 6:00-8:30 p.m.

Applied Mathematics and Statistics

AMS 311:02 Probability Theory

Probability spaces, random variables, moment generating functions, algebra of expectations, conditional and marginal distributions, multivariate distributions, order statistics, law of large numbers.

Prerequisite: AMS 310

Corequisite: MAT 306

3 credits

Tuesday/Thursday, 7:00-8:15 p.m.

Art

ARH 342 Art of the Twentieth Century

The major movements and individual artists in twentieth-century painting and sculpture, including reference to the broader sociocultural context of art.

Prerequisite: ARH 102

3 credits

Tuesday/Thursday, 7:00-8:15 p.m.

ARS 152:01 Figure Drawing and Painting

Studio course stressing drawing and painting from the nude and draped model, and investigating anatomy, foreshortening, and the excessive potential of the figure in the visual arts.

3 credits

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

ARS 258:01 Intermediate Drawing: The Human Body

Drawing for the second-year student, focusing entirely on the human body.

Prerequisites: ARH 101, 102; ARS 151, 152; permission of department (246-7070)

3 credits

Tuesday/Thursday, 7:00-8:15 p.m.

English

EGC 101:01 Composition I

A course in writing. Through the writing and revision of frequent short papers, the student is expected to develop proficiency in the composition of expository and argumentative essays.

3 credits

Tuesday/Thursday, 4:00-9:50 p.m.

EGC 103:01 Writing Proficiency

An intensive course for students unable to pass the English Proficiency Examination. Frequent papers, exercises, and conferences directed to students' individual writing problems. Open only to those who have failed the English Proficiency Examination twice after passing EGC 101 or to transfer students with composition credits who fail the examination twice. Passing the course will satisfy the English proficiency requirement.

Prerequisites: Sophomore standing; permission of Director of Writing Programs (246-6133)

3 credits

Tuesday/Thursday, 7:00-8:15 p.m.

EGL 368:01 Prose in English

The study of the various forms of prose such as the essay, utopias, memoirs, autobiography, biography, and non-fictional narrative.

3 credits

Tuesday/Thursday, 7:00-8:15 p.m.

History

HIS 401:01 Colloquium in European History: J.S. Mills and Liberalism

3 credits

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

HIS 403:01 Colloquium in European History: Modern Capitalism

3 credits

Monday, 6:00-8:30 p.m.

Linguistics

LIN 425 Special Topics in Linguistics: Bilingualism

3 credits

Monday, 6:00-8:30 p.m.

Mathematics

MAT 102:08 College Algebra

Intended for students whose preparation in the area of basic mathematics is inadequate for their chosen programs of study. Signed numbers; polynomial manipulation; linear, quadratic, and fractional equations in one variable; graphing; radicals; and right triangle trigonometry. May not be counted toward the College requirement in natural science. Students who have otherwise satisfied the mathematics

proficiency requirement may not register for this course. Overqualified students as determined by a placement test may be deregistered and directed to transfer to another course.

3 credits

Tuesday/Thursday, 7:00-8:15 p.m.

MAT 125:14 Calculus A

Differentiation and integration of elementary algebraic and trigonometric functions, with emphasis on computations and applications. May not be taken for credit in addition to MAT 131 or 141.

3 credits

Monday/Wednesday, 7:00-8:15 p.m.

Philosophy

PHI 360:01 Philosophy of Education (IV)

An inquiry into the function of philosophic principles in educational theories and institutions. The inquiry centers on the purposes of knowledge and education, the relations among the sciences and their organization into curricula, and the ways in which knowledge is acquired and transmitted.

Prerequisite: One philosophy course or one course related to education; PHI 104 or 106 recommended

3 credits

Tuesday/Thursday, 7:00-8:15 p.m.

PHI 370:01 Philosophical Psychology (IV)

An examination of traditional philosophic theories concerning the nature of persons and their connection to such theories in psychology as psychoanalysis, medical models of mental illness, and theories of behavior modification.

Prerequisites: Two philosophy courses; PSY 103

3 credits

Monday/Wednesday, 7:00-8:15 p.m.

PHI 435:01 Senior Seminar

An intensive study of an issue, topic, figure, or historical period in philosophy intended to provide both a culminating experience and final integration for senior philosophy majors. This seminar will emphasize careful reading, rigorous discussion, and extensive writing at an advanced level. The content of the seminar will be announced before the start of the term, and students will be consulted on the content as it proceeds.

Prerequisites: Senior major standing; six courses in philosophy

3 credits

Monday, 7:30-10:00 p.m.

Political Science

POL 308 Politics of Conflict: The Middle East

The genesis and development of one of the most important international regional conflicts, the Arab-Israel conflict. Issues of the conflict, role of external powers, and process of conflict resolution will be discussed.

Prerequisite: POL 101

3 credits

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

POL 402:01 Seminar in Advanced Topics

Special projects and research papers on a topic of political interest which will be announced before the start of the term.

Prerequisite: Permission of instructor (246-6550)

3 credits

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

Psychology

PSY 209:01 Social Psychology

Communication, attitude formation and change, social perception, interpersonal relations, and group performance.

Prerequisite: PSY 103

3 credits

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

PSY 211:01 Developmental Psychology

A study of the growth processes from fetal development to late childhood. Perceptual and learning characteristics are explained as they relate to increases in cognitive and social competence in the total community. Biological factors are examined as they relate to inheritance of behavior patterns.

Prerequisite: PSY 103

3 credits

Tuesday/Thursday, 7:00-8:15 p.m.

PSY 352:01 History and Systems of Psychology

History and present status of conceptual trends in psychology. Psychological principles and theories are traced from the early Greek philosophers through the European philosophers and empiricists to their embodiment in contemporary psychological theory.

Prerequisite: Nine credits of psychology

3 credits

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

PSY 491:19 Advanced Seminar in Psychology

Special seminar covering current research and theory. Topics will be announced prior to the beginning of

the semester. May be repeated up to a limit of 18 credits. Students may take two sections in a single semester. May not be taken for more than 6 credits per faculty member during the student's career.

Prerequisites: PSY 303; written permission of instructor

3 credits

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

Religious Studies

RLS 330 Special Topics

An investigation of a particular area or dimension of religious studies which will vary from semester to semester. May be repeated with permission of Program Director.

3 credits

Schedule to be announced

Sociology

SOC 301:02 Principles of Sociology

An introduction for upper-division students committed to a major in a different field who want to find out how the sociologist looks at the world. The course will illustrate the use of sociological perspective in the analysis of the social world rather than focus on sociological concept development. Topics to be included will be chosen from among the following: ethnic relations, deviance and delinquency, socialization, organizational analysis, urban life. Not for credit in addition to SOC 103 or 104; not for major credit. May be used as a prerequisite for higher-level sociology courses in place of SOC 103 or 104.

Prerequisites: Upper-division standing; a major other than sociology

3 credits

Monday/Wednesday, 7:00-8:15 p.m.

SOC 310 Ethnic Relations

The formation, migrations, and conflicts of ethnic and other minority groups; prejudice, discrimination, and minority self-hatred.

Prerequisites: SOC 103 or 104; either SOC 201 or two other courses in the social sciences

3 credits

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

Late-Afternoon Courses

The following late-afternoon three-credit courses will be open to Undergraduate Evening Program students who can take advantage of them.

ARH 401 Topics in Art History and Criticism: Ancient to Modern

Monday/Wednesday, 5:30-6:45 p.m.

AFH 329 Pan-African Literature I, II

Tuesday/Thursday, 5:30-6:45 p.m.

EGC 101:47 Composition I

Monday/Wednesday, 5:30-6:45 p.m.

EGL 207 The English Language

Tuesday/Thursday, 5:30-6:45 p.m.

EGL 316 American Colonial and Federal Writers

Monday/Wednesday, 5:30-6:45 p.m.

EGL 372:01 Literature in English and Its Relation to Other Literature

Tuesday/Thursday, 5:30-6:45 p.m.

HIS 377 American Economic History to 1860

Tuesday/Thursday, 5:30-6:45 p.m.

LAN 111:04 Irish

Tuesday/Thursday, 5:30-6:45 p.m.

LAN 191:03 Irish

Monday/Wednesday, 5:30-6:45 p.m.

POL 261 Business Law

Tuesday/Thursday, 5:30-6:45 p.m.

POL 364 Organizational Decision Making

Monday/Wednesday, 5:30-6:45 p.m.

POL 401 Seminar in Advanced Topics

Monday/Wednesday, 5:30-6:45 p.m.

PSY 103:03 A Survey of Psychology

Monday/Wednesday, 5:30-6:45 p.m.

PSY 208 Theories of Personality

Monday/Wednesday, 5:30-6:45 p.m.

PSY 211:02 Developmental Psychology

Monday/Wednesday, 5:30-6:45 p.m.

SPN 301 Advanced Grammar and Composition

Tuesday/Thursday, 5:30-6:45 p.m.



Admission and Degree Requirements

(Undergraduate Evening Program)

The Undergraduate Evening Program, formerly known as the Extended Day Program, was initiated in 1976 to enable upper-division students to complete a bachelor's degree at night. Students in the program range from people who left college many years ago to recent community college graduates.

Stony Brook's evening courses are taught by the same instructors who teach the daytime courses. All students enrolled at Stony Brook are eligible to register for day or evening courses, as they wish.

If you enroll in the Undergraduate Evening Program exclusively for evening courses, you must have completed 57 or more college credits. You may then earn a bachelor's degree with a major in any of the following, provided you come to Stony Brook with the appropriate prerequisites: art history, English, history, liberal arts, philosophy, political science, psychology, social sciences interdisciplinary, and sociology.

The most popular majors for students in the Undergraduate Evening Program are Liberal Arts and Social Sciences Interdisciplinary. Information about the requirements for these as well as the other majors can be found in the Undergraduate Bulletin and its supplement, from the Office of Undergraduate Studies, by contacting Dr. William Wiesner in the Undergraduate Evening Program, or by contacting the individual departments.

Addresses Students Should Know

The following offices are mentioned in the sections that follow. Rather than repeat the address each time, we are listing them together here. If you write to any of them, add to the address: "SUNY at Stony Brook, Stony Brook, NY 11794."

Undergraduate Evening Program
E-3310 Library
246-3420

Office of Undergraduate Studies
E-3310 Library
246-3420

Undergraduate Admissions Office
118 Administration Building
246-5126

Registrar/Office of Records
276 Administration Building
246-5120/5121

Center for Continuing Education (CED)
N-201 Social and Behavioral Sciences Building
246-5936

Evening Program Office Hours

The Undergraduate Evening Program office is open from 9:00 a.m. to 5:00 p.m., Monday through Friday, and evenings by appointment. It is a good idea to call ahead for an appointment to be sure an advisor will be available if you wish to discuss the program requirements.

Requirements for Admission

If you hold an associate's degree from an accredited institution or have completed 57 credits of college work with a minimum cumulative average of 2.5, you are eligible for admission to the Undergraduate Evening Program.

Since Stony Brook's lower-division courses (100 and 200 level) are rarely offered at night, you should complete as many of these as necessary before entering the program. Typically, you should expect to have finished coursework toward the proficiency requirements and to have completed your distribution requirements and the prerequisites for your major. It is a good idea to see an advisor about your individual situation and to obtain information pamphlets from the Undergraduate Evening Program office or from the Office of Undergraduate Studies.

How to Apply for Admission

You can obtain an "Application for Admission to Undergraduate Study" instruction booklet and return envelope from a high school guidance counselor, community college, or from the Admissions Office here on campus (see address above and telephone number). You must mail the application to the Applications Processing Center (APC) in Albany which then forwards it to Stony

Brook. Since this application is used by all those who apply for admission to Stony Brook, be sure to make clear on your application that you are applying for the Undergraduate Evening Program (this is referred to as "Other Programs": Curriculum Code 111).

You must also have official transcripts of all previous college-level work forwarded directly to the Admissions Office.

Admission for Non-Matriculated Undergraduates

If you are a high school graduate, have never been dismissed from Stony Brook, and have the appropriate prerequisites, you may be eligible to take courses at Stony Brook either during the day or through the Undergraduate Evening Program without being admitted into a degree program. You must, however, contact the Admissions Office to obtain an application for part-time, non-matriculated admission. Non-matriculated students who complete 15 credits with a 3.0 grade point average or 18 credits with a 2.5 grade point average are eligible to apply for admission into a degree-granting program.

The Older Returning Undergraduate

The Returning Student Network is a support system for undergraduate students 25 years or older who are resuming their education after a long absence. The University provides a list of specially designated advisors from key offices on campus to assist the undergraduate adult learner. Special workshops and other services are also sponsored by the Network. Interested evening students are encouraged to call Nancy Rothman at 246-3420 for more information.

Transferring Credits from Other Institutions

All credits from accredited institutions will transfer as general elective credits toward a bachelor's degree. Courses that you wish to apply toward a major or toward the upper-division requirement must be evaluated by the appropriate department. The Evening Program office can help you facilitate credit evaluation. Courses offered by Suffolk Community College, Nassau Community College, and SUNY/Farmingdale have already been evaluated and these evaluations can be mailed to you if you contact the Undergraduate Evening Program or the Office of Undergraduate Studies (246-3520). See the 1983-85 *Undergraduate Bulletin*, page 17, for further information about transfer credit policies.

Requirements for a Stony Brook Baccalaureate

All undergraduate students must complete a minimum of 120 credits of college work to be eligible for graduation. You must also have a 2.0 cumulative grade point average for all credits earned at Stony Brook. In addition, you must complete a major and the requirements that follow.

Upper-Division Requirement

Thirty-nine credits of upper-division (numbered 300 and higher) courses are required. Some courses taken at other colleges may qualify as upper-division; however, these must first be evaluated by the appropriate department(s) at Stony Brook. Information about this is available from the Office of Undergraduate Studies.

Proficiency Requirement in English Composition

A passing grade in the English Composition Proficiency Examination is required. Call the English Composition Office (246-6133) for information about dates when the test will be given.

Bring a pen, pencil, and dictionary with you for the exam. No advance registration is required.

Proficiency Requirement in a Foreign Language

One of the following is required to satisfy the Foreign Language Proficiency Requirement:

1. Passing the NYS Regents' examination or the NYC foreign language competency test with a grade of 75 or higher.
2. A score of 525 or higher on the College Entrance Examination Board's achievement test in language.
3. Passing an exam designed for the purpose of evaluating language proficiency, given by departments during the first few weeks of classes.
4. Passing language 112, 113, 191, or higher, or transferring credit for an equivalent course.

Proficiency Requirement in Mathematics

One of the following is required to satisfy the Mathematics Proficiency Requirement:

1. Passing the NYS Math 11 Regents' examination with a grade of 75 or higher.
2. A score of at least 550 on the College Entrance Examination Board's achievement test in mathematics, Level I or Level II.
3. Passing a math proficiency test given by the Mathematics Department. Prior registration is required. Call the Mathematics Undergraduate Office at 246-6520 for the date when the test will next be given.
4. Passing MAP 102, MAP 106, MAT 120, or higher at Stony Brook.
5. Transfer credit with a grade of C or higher in a course equivalent to MAP 102, MAT 120, or higher.

Distribution Requirements

These are normally met by attaining a passing grade in the appropriate courses. Up to 4 credits required in each area, however, may be filled by AP, CPE, CLEP, or Challenge credit or other approved credit by examination. No more than 8

credits with the same designator (three-letter prefix) may be used to fulfill distribution requirements.

Certain categories of courses, which are listed below, do not fulfill distribution requirements:

1. Proficiency-level courses: All AIM courses, all EFL courses, EGC, and MAP courses.
2. Federated Learning Communities core courses, program seminars, and independent projects: EPP, EPS, FLC, LIS, NTR, SEI, WPT. Other excluded designators in this category will be announced as new Federated Learning Communities courses are developed.
3. Interdisciplinary academic skills courses: INT.
4. Physical Education courses: PEC.
5. Elementary foreign language courses: Numbered 111 through 116.
6. Community service and day care courses: AFS, PSY, and SSI 283.

Distribution requirements are met as follows:

A. Arts and Humanities

Twelve credits to be chosen from among the offerings in art (ARH and ARS), classics (CLS), comparative literature (CLT), English (EGL—but not EGC), foreign languages (CHI, EEL, FLA, FRN, GER, GRK, HBW, ITL, LAN, LAT, POR, PSH, RUS, SGL, SPN, SWE, YDH—except courses numbered 111-116), humanities interdisciplinary (HUM), music (MUS), philosophy (PHI), religious studies (RLS), and theatre arts (THR). Also, those Incoming Student Seminars designated ISH, Africana studies (AFH) courses, certain Judaic studies (JDH) courses, and Health Sciences Center courses (HMC 100, 200).

B. Natural Sciences and Mathematics

Twelve credits to be chosen from among the offerings in astronomy (AST), biological sciences (BIO), chemistry (CHE), earth and space sciences (ESS), engineering and applied sciences (AMS, CSE, ESC, ESE, ESG, ESI, ESM, EST 100, 194, 300) geology (GEO), interdisciplinary natural sciences (SCI), mathematics (MAT—but not MAP 101-106—and MAE), and physics (PHY). Also, those Incoming Student Seminars designated ISN.

C. Social and Behavioral Sciences

Twelve credits to be chosen from among the offerings in anthropology (ANT), economics (ECO), history (HIS), social sciences interdisciplinary

(SSI—except 283—and SBS), linguistics (LIN), political science (POL), psychology (PSY—except 283), and sociology (SOC). Also, those Incoming Student Seminars designated ISS, Africana studies designated AFS (but not 283), and Judaic studies courses designated JDS.

Sometimes Independent Studies Program and Foreign Study courses (ISP, FSC, FSD, FSF, FSG, FSI, FSJ) may satisfy distribution requirements. These must be evaluated for each student individually.

Additional Information for Stony Brook Undergraduates

The *Undergraduate Bulletin* provides detailed information about all of the departments offering undergraduate courses, campus facilities, services, activities, financial information, and the grading system. It also explains the academic rules and regulations governing undergraduates. Copies are available to potential and new students from the Admissions Office or the Office of Undergraduate Studies.

Student Responsibilities

All students are responsible for familiarizing themselves with and abiding by all of the University's rules and regulations. Undergraduates can find the information pertaining to them in the *Undergraduate Bulletin* and in the *Bulletin Supplement*, published each semester, which updates the *Bulletin*. Both publications are available in the Office of Undergraduate Studies.

All programs, regulations, and schedules of dates are subject to change or withdrawal depending on the availability of funds and the approval of programs by the appropriate State authorities.



Registration Information

(Undergraduate Evening Program)

New Student Orientation and Registration

If you are a new student you are urged to attend one of the orientation sessions held each semester prior to the start of classes. At orientation you will have the opportunity to learn about campus life from student leaders and to meet faculty members who can advise you about academic programs and possible careers.

Separate transfer student orientation sessions are conducted in January for the spring semester and during June, July, and August for the fall semester.

The mandatory English Composition Proficiency Examination and the optional Mathematics Diagnostic Test are offered at orientation and the results are returned quickly so that an advisor can work with you in selecting courses.

In addition to receiving academic advisement at orientation and an introduction to the campus, you will be able to register for courses, pay bills, and arrange for your student I.D. card in one day.

If you are unable to attend one of the orientations, you can do all of these things at final registration the week before classes begin (see the MA/LS section on Final Registration). While the crowds will be larger and the faculty will not be readily available for advising, the staff of the Office of Undergraduate Studies can help you to select courses. Final evening registration will be held on August 22 between 5:30 and 7:00 p.m. in S-228 Social and Behavioral Sciences Building.

For more details on orientation activities, please write to New Student Orientation Program, 102 Humanities Building, SUNY at Stony Brook, Stony Brook, NY 11794-5300, or call (516) 246-7003.

Continuing Student Registration

Continuing students will be sent registration information by the Office of Records/Registrar in advance of each registration period. Evening students who have permits to register will also be able to register on Wednesday evening, August 22, between 5:30 and 7:00 p.m. Registration will begin in Room S-228 Social and Behavioral Sciences Building.

Financial Charges

All fees and charges must be paid in full or properly deferred prior to the first day of classes or the payment due date. Failure to satisfy this financial obligation will prevent you from receiving academic credit, transcripts, diplomas, certifications, and from registering for future semesters.

Financial Liability

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

If you register by mail or in person, you must assume you are registered whether or not you receive confirmation or a bill. You will be held financially liable for your registration until you officially cancel it through the Office of Records/Registrar.

If you decide to cancel your registration or to drop a course, the date when you submit an official request to make the change determines eligibility for any refunds, in accordance with the Schedule of Tuition Liability that follows.

Tuition and Fees *(Undergraduate Students)*

All fees and charges are subject to change without prior notice.

Undergraduates who register for less than 12 credits are considered part-time. The following schedule applies to students taking no more than 11 credits a semester.

If you plan to take 12 or more credits, please consult the *Undergraduate Bulletin* about fees.

Application Fee

\$10.00 for each college in the SUNY system to which you apply

New York State Resident Tuition

\$45.00 per credit hour

Out-of-State Resident Tuition

\$88.50 per credit hour

College Fee (required of all students):

85 cents per credit hour for 1-11 credits

\$12.50 per semester if registered for 12 credits

Lost Identification Card Fee: \$3.00

Late Registration Fee: \$20.00 (applicable first day of classes, Monday, August 27, 1984)

Late Payment Fee: \$20.00

Returned Check Charge: \$5.00

Late Add/Drop Fee: \$10.00 (applicable Monday, September 24, 1984). If you obtain permission from an appropriate academic standing committee or dean to add or drop courses after the normal deadlines for doing so, you will be charged a fee of \$10.00 for each program change form processed by the Registrar.

All fees must be paid to the Bursar. The Undergraduate Evening Program office is not empowered to collect money and cannot be responsible for money sent to them. You may also charge your registration fees to VISA or MasterCard.

Changes in Registration and Withdrawals

If you want to make a change in your registration or withdraw from a course, you must follow the University's procedures for doing so. This is the only way to assure that you will receive credit for a course, obtain any refund you are entitled to, or avoid having an F grade on your academic record. This involves your turning in an add/drop form or withdrawal card, whichever is appropriate. The calendar on the back page of this bulletin will give you the deadlines for adding or dropping courses. For further information, consult the Registrar, the Undergraduate Studies Office, or the *Undergraduate Bulletin*, available from the Office of Undergraduate Studies.

Refunds

Requests for a refund of tuition must be made in writing to the Office of Student Accounts, 254 Administration Building. Certification of the effective date of course withdrawal or cancellation must be made at the Office of Records/Registrar. The College Fee, Late Payment Fee, Late Registration Fee, and Lost I.D. Fee are not refundable.

Requests for a refund of the student activity fee should also be addressed to the Office of Student Accounts. As determined by Polity (Undergraduate Student Government) and GSO (Graduate Student Organization), full refunds of the student activity

fee will be granted if a student withdraws within the first two weeks of classes. No refunds will be granted after the first two weeks of classes.

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

Please allow three to four weeks for processing any refunds that you may request.

Schedule of Tuition Liability

Liability during:	Liability	Refund
1st week (8/27/84-8/31/84)	0%	100%
2nd week (9/3/84-9/10/84)	0%	100%
3rd week (9/11/84-9/14/84)	50%	50%
4th week (9/17/84-9/21/84)	70%	30%
5th week (9/24/84-9/28/84)	100%	0%

Address and/or Name Changes

Be sure to notify the Undergraduate Evening Program office and the Office of Records/Registrar of any address or name changes that occur to be sure that you receive without delay registration information, grade reports, and other important correspondence from the University. If you wish to make a name change, the University must have some proof of the change such as a driver's license, passport, marriage certificate, court action papers, or Social Security card.

Registering for CE Graduate Courses

Undergraduates may register and receive upper-division credit for certain graduate courses offered by the Center for Continuing Education (CED) provided they have received appropriate permission. Permission forms are available in the Undergraduate Evening Program office. They must be signed by the course instructor, the Dean of CED, and the Director of the Undergraduate Evening Program. Permission will be given on a priority (need) basis only to upper-division students with superior records.

Not all CED courses are open to undergraduates and not all may be used to fulfill distribution requirements. The only CE courses expected to be open to Undergraduate Evening Program students during this semester are:

CEC 528 Methods of Teaching English as a Second Language

Mutually exclusive with LIN 375.

CEE 532 Workshop in Teaching Reading for Elementary School Teachers

CEH 570 American Popular Music

Mutually exclusive with MUS 477.

CES 531 Modern African Responses to Colonial Rule



Graduate Departments

The Graduate School of the State University of New York at Stony Brook is comprised of more than 25 academic departments. Almost all of these departments offer a course of study which entails a master's degree preparatory to the Ph.D. degree. The University, however, is cognizant of the fact that many people already established in particular professions wish either to have further training within their own field or to gain expertise in new areas. Generally, those interested in such training do not wish to follow a traditional master's-Ph.D. pattern (indeed, they may have already completed such a degree) and prefer a course of study which will meet specific professional needs. These needs have led to the development of the specialized part-time master's programs at Stony Brook.

Many graduate departments at Stony Brook offer part-time master's programs. Administered directly by the academic departments, these programs are carefully designed to upgrade the student's knowledge through structured study leading to a master's degree.

We invite you to contact the department designee listed on the next page to obtain more detailed information about these part-time master's programs. We suggest you call between 9:00 a.m. and 5:00 p.m. You may also call the Graduate School at 246-5945 during those hours if you are unable to reach the department designee. The Graduate School will take a message and have the department call you back at a convenient time, or will mail an information and application packet to you.

David C. Glass
Vice Provost for Graduate Studies



Departmental Part-Time Graduate Degrees

On the following pages you will find descriptions of some of the master's programs available to part-time students other than the MA/LS program. To receive a booklet describing all of Stony Brook's opportunities for graduate study, please contact the Graduate School, SUNY at Stony

Brook, Stony Brook, NY 11794-4433; telephone 246-5945. For information about a particular department's part-time graduate programs you may also call the person listed below.

College of Arts and Sciences

Anthropology

Paula Brown Glick (246-3629)

Biology

George Hechtel (246-5032)

Chemistry

F.W. Fowler (246-5050)

Comparative Literature

Harvey Gross (246-6059)

English

David Sheehan (246-5094/5096)

French & Italian

Mario Mignone (246-8677)

Germanic and Slavic Languages

Samuel Berr (246-6830)

Hispanic Languages and Literature

Jaime Giordano (246-5685/7736)

History

Marie Merz (246-6510)

Marine Environmental Sciences

J.R. Schubel (246-7710)

Mathematics

John Thorpe (246-4062)

Philosophy

Sidney Gelber (246-3344)

Political Science

Mark Schneider (246-8268)

Social and Behavioral Sciences

Interdisciplinary Study

William Morrison (246-6180)

Sociology

O.A. Colver (246-8617)

College of Engineering and Applied Sciences

Applied Mathematics and Statistics

Woo Jong Kim (246-5967)

Computer Science

Pegi Thomas (246-7146)

Electrical Engineering

Armen Zemanian (246-6757)

Materials Science

Carol Cesarski (246-6759)

Mechanical Engineering

Sultan Hameed (246-3373)

Technological Systems

Thomas Liao (246-8424/8427)

Graduate Studies in Atmospheric Science

Robert D. Cess (246-6764)

Graduate Studies in Energy Technology

Franklin Wang (246-5980)

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, in curriculum development, and 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
College of Engineering and Applied Sciences
State University of New York at Stony Brook
Stony Brook, NY 11794-2250

Master of Arts in Sociology (Applied Sociology)

The Department of Sociology offers master's-level study designed for people who teach or intend to teach social studies or who hold positions or wish to work in occupations requiring training in applied social research, including program and policy evaluation.

Requirements for the degree may be completed in 12 months of full-time late-afternoon and evening study including the summer session or through part-time study. Coursework consists of 30 credits and emphasizes understanding the analytical perspectives of sociology and familiarity with its methodological approaches, including survey techniques, evaluation designs, and field observation.

For application forms, write to:

Director, M.A. Program
Department of Sociology
State University of New York at Stony Brook
Stony Brook, NY 11794-4356

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.

Entering students will individually plan their course of study with a member of the applied anthropology committee and request a guidance committee during the first or second semester of study. Internships and other arrangements for practical experience can be arranged.

The minimal requirement is 30 graduate credits, with a B average, and a master's project and thesis carried out under the supervision of a guidance committee consisting of three members of the faculty.

Study tracks for the applied anthropology concentration are specialized, with major emphasis in archaeology, contemporary society, or another specialty approved by the guidance committee.

Applications and additional information may be obtained from:

Director, M.A. Program
Applied Anthropology Committee
Department of Anthropology
State University of New York at Stony Brook
Stony Brook, NY 11794-4364

Master of Arts in Philosophy (Philosophical Perspectives)

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

The curriculum is designed primarily for those with educational or lived 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 towards 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.

All courses are scheduled in the evening or on Saturdays. For further information about the requirements or about transferring from the CED program, please call Professor Sidney Gelber or his assistant at 246-3344.

Master of Arts in Political Science (Public Affairs)

The Master of Arts in political science which emphasizes public affairs is designed to provide analytical training and policy expertise for public servants and for citizens interested in furthering their understanding of the governmental and administrative process. Since graduate study in public affairs attracts students in various stages of their academic and professional careers and from a wide spectrum of public sector agencies, courses are scheduled in the evening.

Students must successfully complete 24 credits of formal graduate coursework and either 6 credits of internship in a public sector agency or a master's thesis. The core course requirements consist of

two year-long sequences. One concentrates on the formulation, implementation, and evaluation of public policy; the other, on basic research methods and statistics. The program also offers analytic and substantive course electives to help develop and broaden the student's specific areas of interest and expertise.

In addition, up to 6 graduate credits may be taken in related programs at Stony Brook, such as those in the departments of economics and sociology, the College of Engineering, and the W. Averell Harriman College for Policy Analysis and Public Management. Students may also transfer up to 6 credits from approved graduate courses taken at other institutions.

The department helps students arrange full- or part-time internships in public sector agencies and maintains information on federal, state, and local job opportunities.

For additional information or application forms for graduate study in public affairs, please contact:

Professor Mark Schneider
Graduate Studies in Public Affairs
Department of Political Science
State University of New York at Stony Brook
Stony Brook, NY 11794-4392

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 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 some of the mathematics courses listed above by other graduate courses in mathematics, or in exceptional cases, by 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 Anthony Phillips
Associate Director, Graduate Program
Department of Mathematics
State University of New York 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 eastern Nassau and Suffolk counties.

Students select five out of six 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
Department of Technology and Society
Room 210 Engineering
State University of New York at Stony Brook
Stony Brook, NY 11794-2250

Master of Arts in Biology

The Division of Biological Sciences offers a degree of Master of Arts for persons who have a variety of career goals, including government service and secondary education.

The program is aimed at students who have completed a baccalaureate degree with at least the following courses: one year of college mathematics, two years of college chemistry, and two years of college biology including laboratory. Applicants also must have a 3.0 GPA in science courses during the last two years of undergraduate work, or have completed 6 credits of B or better in graduate work at an accredited institution of higher education, to be considered for matriculated status.

Applicants to the master's program can obtain an application form from:

Student Information Office
Division of Biological Sciences
Graduate Biology Building
State University of New York at Stony Brook
Stony Brook, NY 11794-5200



Health Sciences Center Programs

The graduate programs of the Allied Health Professions and School of Social Welfare are described below. Information about other graduate programs can be obtained by contacting:

School of Nursing (M.S.)

Office of Admissions 444-3200

School of Dental Medicine (D.D.S.)

Office of Admissions 246-2805

School of Medicine (M.D.)

Office of Admissions 444-2080

Master of Science in Health Sciences

The Master of Science in Health Sciences (MSHS) is an individualized program of graduate study designed to improve the professional competence of qualified health professionals who wish to teach, supervise, or conduct research in allied health fields. The MSHS curriculum is planned for practicing professionals with varied backgrounds, interests, and needs. Students design their own program, tailored to their unique experience and career goals, in consultation with faculty advisors and program leaders. After selection of a track specialty and completion of core requirements in medical care delivery, communication, and research methodology, students must complete 15 credits in the track and a 4-credit related practicum. All students also complete a thesis requirement to meet the 36-credit minimum for the MS degree.

Admission Requirements

A baccalaureate degree from a recognized institution of higher learning, a minimum of a 3.0 average in undergraduate study, appropriate professional status, GRE scores, at least one year of practice in a health field, and an indication of

intention to pursue a career as a teacher, supervisor, or researcher in the health professions. Candidates must complete all application requirements by April 1 for fall admission.

For further information, contact:

Dr. Rose Walton, Chairperson
Department of Allied Health Resources
School of Allied Health Professions
Level 2, 052 Health Sciences Center
State University of New York at Stony Brook
Stony Brook, NY 11794-8204
Telephone: 444-3240

Master of Social Welfare

The School of Social Welfare provides for the development of committed, analytical, and knowledgeable students who wish to undertake the difficult task of improving service delivery systems in the areas of health, mental health, welfare, education, and other social services.

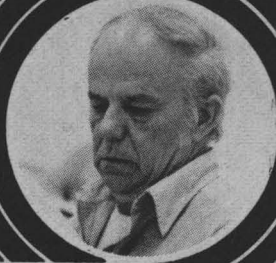
The School offers a two-year, full-time Master of Social Work, a one-year residency program in which qualified students attend school on a part-time basis for three years, and a modified full-time program for employed students.

Admission Requirements

Admission is generally at the entry level, although credits accumulated in this or similar fields prior to matriculation will be evaluated individually to determine the extent to which previous graduate work can be applied toward the Stony Brook degree. The maximum number of CED credits that can be transferred is 12. The fundamental criteria for admissions are academic achievement, commitment and concern for social change, along with involvement in social change activities.

For further information, contact:

School of Social Welfare, Admissions Office
Level 2, 092 Health Sciences Center
State University of New York at Stony Brook
Stony Brook, NY 11794-8237
Telephone: 444-3141



University Services and Facilities

New York State Teaching Certification

Provisional Certification

This certification requires education courses, the fulfillment of a full-time practice teaching requirement, and, in the case of secondary education or special subjects, a number of credits in a particular subject area.

Professional education courses and many subject area courses have always been available through CED's graduate program, and now a complete teacher preparation program which includes student teaching is also available in the following secondary school subjects: English, foreign languages, science, and social studies.

Advisement about your eligibility for provisional teacher certification through the MA/LS program may be obtained from Jo Fusco, N-221 Social and Behavioral Sciences Building; telephone 246-3301.

Permanent Certification

The Master of Arts in Liberal Studies will meet the master's degree requirement for permanent certification in all certification areas except those related to pupil personnel service and school administration and supervision.

Office of Veterans Affairs

The Office of Veterans Affairs provides counseling for veterans and veterans' dependents eligible to receive educational benefits. All forms, applications, and information concerning veterans' benefits may be obtained from this office which is located in 130 Humanities Building; telephone 246-7012. Office hours are posted on the door.

Office of the Disabled

The Office of the Disabled coordinates services to disabled students and assists them with housing,

meal plan, registration, recreation, academic needs and progress, special parking permits, transportation, and financial aid. Tape recorders, tapes, wheelchairs, crutches, and canes are available for loan to disabled students for short periods.

The Office directs students to other services on campus that are designed for the needs of the disabled. A small center for the disabled, located in the Reserve Room of the Melville Library, offers assistance to visually and physically disabled students. The center includes equipment such as a Kurzweil Reading Machine, a braille, and a visual-tek machine. The Library also offers special study carrels and a paging service in the stacks for disabled students. All disabled students are encouraged to contact the Office of the Disabled prior to the start of classes in order to work out any problems before classes begin.

The Office of the Disabled is in 135 Humanities; telephone 246-6051.

I.D. Office

Students wishing to register cars, use the libraries and many other facilities, as well as to receive student rates for campus events must have a student I.D. card. These can be obtained at evening registration or during the day between 9 a.m. and noon and 1 p.m. and 4:00 p.m. from the I.D. Office, 191 Administration; telephone 246-6157.

Bank of New York

The Bank of New York has a 24-hour automatic teller machine located at the lobby entrance of the Stony Brook Union.

Returning Student Network

The Returning Student Network is a support system for undergraduate students 25 years or older who are resuming their education after a long absence. Special workshops and other services for the returning students are sponsored by the Network. In addition, advisors from key offices and departments on campus are designated to assist the undergraduate adult learner. For more information call Nancy Rothman in the Office of Undergraduate Studies, 246-3420.

Mortimer Kreuter Scholarship Fund

A scholarship fund honors the late Mortimer Kreuter, Professor of Special Education and former Acting Dean of the Center for Continuing Education. The Mortimer Kreuter Scholarship is awarded to a mature person who needs financial assistance in order to return to or continue his or her collegiate education. The Scholarship Committee does not define "mature person" with an age range. Rather, it considers the mature person to be someone with well-thought-out educational goals who was not in a position to undertake a program of study at an age when most students proceed through degree programs.

Two single awards of \$500 each will be made to two winning candidates in the fall of 1984. Award recipients may use the award for any direct or indirect costs associated with taking courses on the Stony Brook campus.

Applications may be obtained by writing to:

Mortimer Kreuter Scholarship Awards Committee
c/o Jo Fusco
Center for Continuing Education
State University of New York at Stony Brook
Stony Brook, NY 11794-4310

Bookstore

Barnes and Noble operates the campus bookstore on the first floor of the Stony Brook Union. In addition to textbooks, the bookstore carries a wide range of other books, gift items, stationery, and other supplies.

The bookstore's regular hours are from 9:00 a.m. to 6:00 p.m., Monday through Thursday, and until 4:30 p.m. on Fridays. It is usually open one or two Saturdays at the beginning of a semester and until 9:00 p.m., Monday through Thursday of the first week of classes.

University Libraries

The Stony Brook campus is endowed with several libraries. Within the Melville Library are collections serving the social sciences, humanities, fine arts, and music. These collections are particularly strong in English, Western European, and Latin American literatures, as well as in modern Western history and Latin American history. Special departments in the library provide ready access to current fiction and non-fiction, current periodicals, government documents, maps, microforms, and legal materials. Other facilities include a music listening center, a student lounge, and a variety of individualized study carrels. The full range of library services, including open stack privileges and database searches, is available to all students.

Five branch science libraries are located in departmental buildings—biology, chemistry, earth and space sciences, engineering, and mathematics/physics. There is also a Health Sciences Library in the Health Sciences Center. Collectively, the University libraries contain over 1,400,000 bound volumes and 1,900,000 publications in microformat.

Other library facilities of note are the William Butler Yeats Archives and the Institute for Advanced Studies of World Religions, a privately endowed foundation which assists the study and teaching of world religions, particularly Asian systems. Recently the public papers of former Senator Jacob K. Javits were presented to Stony Brook to be included in its archival collections.

Career Development Office

The Career Development Office, Room W-0550 on the ground floor of the Library, assists all Stony Brook students (graduate and undergraduate) and alumni with career planning. Help in defining career goals and the steps which can be taken to achieve them is offered through the services noted below.

Counseling

Three full-time counselors conduct both individual and group career counseling sessions. Surveys are administered to students seeking aid in interest identification, and an interactive computerized guidance system (DISCOVER) can be utilized to assist in career clarification based on interests, skills, and values identification and clarification. Appointments can be made by visiting or calling the office at 246-7024.

Resource Library

A resource library contains information on educational and professional training opportunities, job-finding techniques, resume-writing and interviewing skills, graduate and professional school information and bulletins, announcements/applications for federal and state employment, and tapes of people describing the careers in which they are involved.

Credential Service

The Credential Service assists students in collecting recommendations for employment and graduate school application.

On-Campus Recruitment

Graduating students and alumni are invited to participate in interviews with visiting employment representatives from companies and institutions.

Skills Workshops

All graduating students and alumni may participate in weekly workshops dealing with resume-writing and interviewing techniques. Registration for each workshop is required.

VITAL Service Learning Program

The VITAL Program (Volunteers Involved Together for Action in Life) assists students in obtaining career-relevant volunteer placement in both on- and off-campus service agencies. The VITAL Office

(located next to Career Development in Library W-0530) has information on opportunities for hands-on experience in such fields as education, health care, ecology/conservation, law, and social services. For more information, stop in or call 246-6814.

Stony Brook Alumni Association

The Stony Brook Alumni Association serves the University and its alumni through a variety of programs, scholarships, and membership benefits. The Alumni Association sponsors Alumni Weekend, Alumni College Day, and various other reunions and programs on and off campus. It also actively participates in commencement and freshman welcome activities. A bi-monthly newsletter, *Stony Brook People*, brings alumni up to date on news of research, teaching, and public service happenings on campus. It is mailed to all alumni. The Alumni Association also has geographic chapters and professional school affiliates.

A \$15 membership fee entitles alumni to such benefits as use of the library and gym, discount travel programs, insurance plan offerings, and discount buying services.

By-laws and membership information can be obtained by contacting the Alumni Office, 336 Administration Building, SUNY at Stony Brook, Stony Brook, NY 11794-0604; telephone 246-7771.

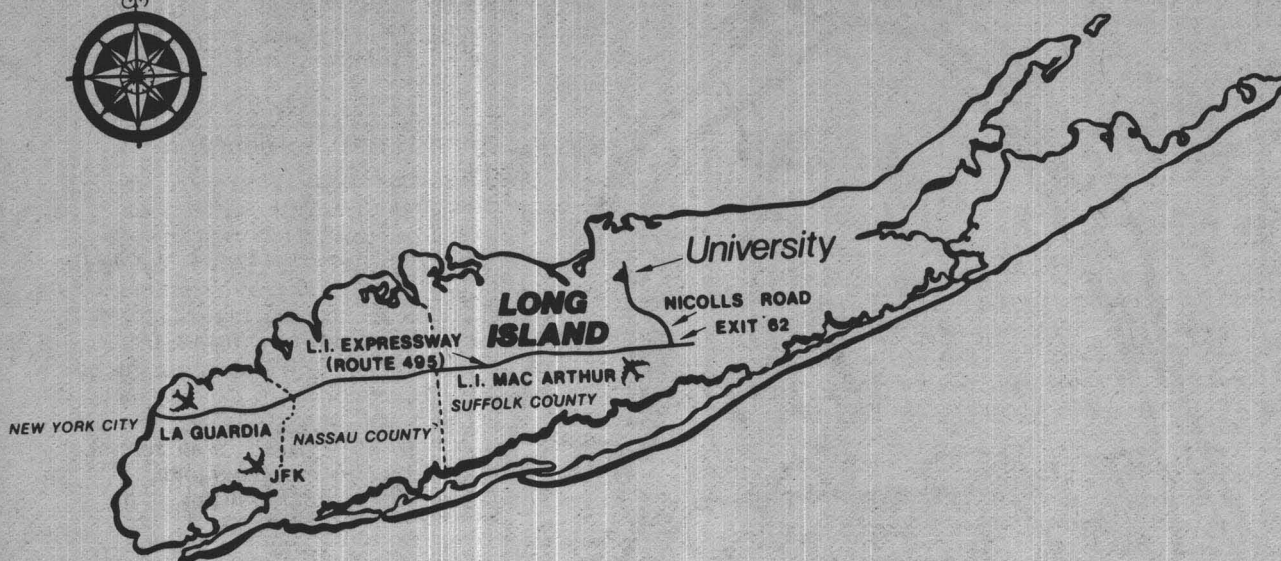
Stony Brook Union

Information center, banks, films, bookstore, bowling, hair stylist, lounge areas, cafeteria, restaurant, etc. Call 246-3636.

Cafeteria

The cafeteria on the first floor of the Humanities Building stays open until 7:00 p.m., Monday through Thursday and until 3:00 p.m. on Friday when classes are in session. Snacks, sandwiches, and beverages are offered for students wishing to get a bite to eat before or after class.

In addition, the Stony Brook Union cafeteria stays open until 7:00 p.m., Monday through Friday.



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). Take 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, Smithhaven 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 Rail Road'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 of an hour, with a maximum charge of \$3 per day.

Free parking is available during the day in the South "P" lot, with bus service (see below) from there to various areas of the main campus and Health Sciences Center.

During the Evening: Between 5:30 p.m. and 11:00 p.m., evening students and visitors to special events may park in the campus garages for a flat fee of \$1 per car.

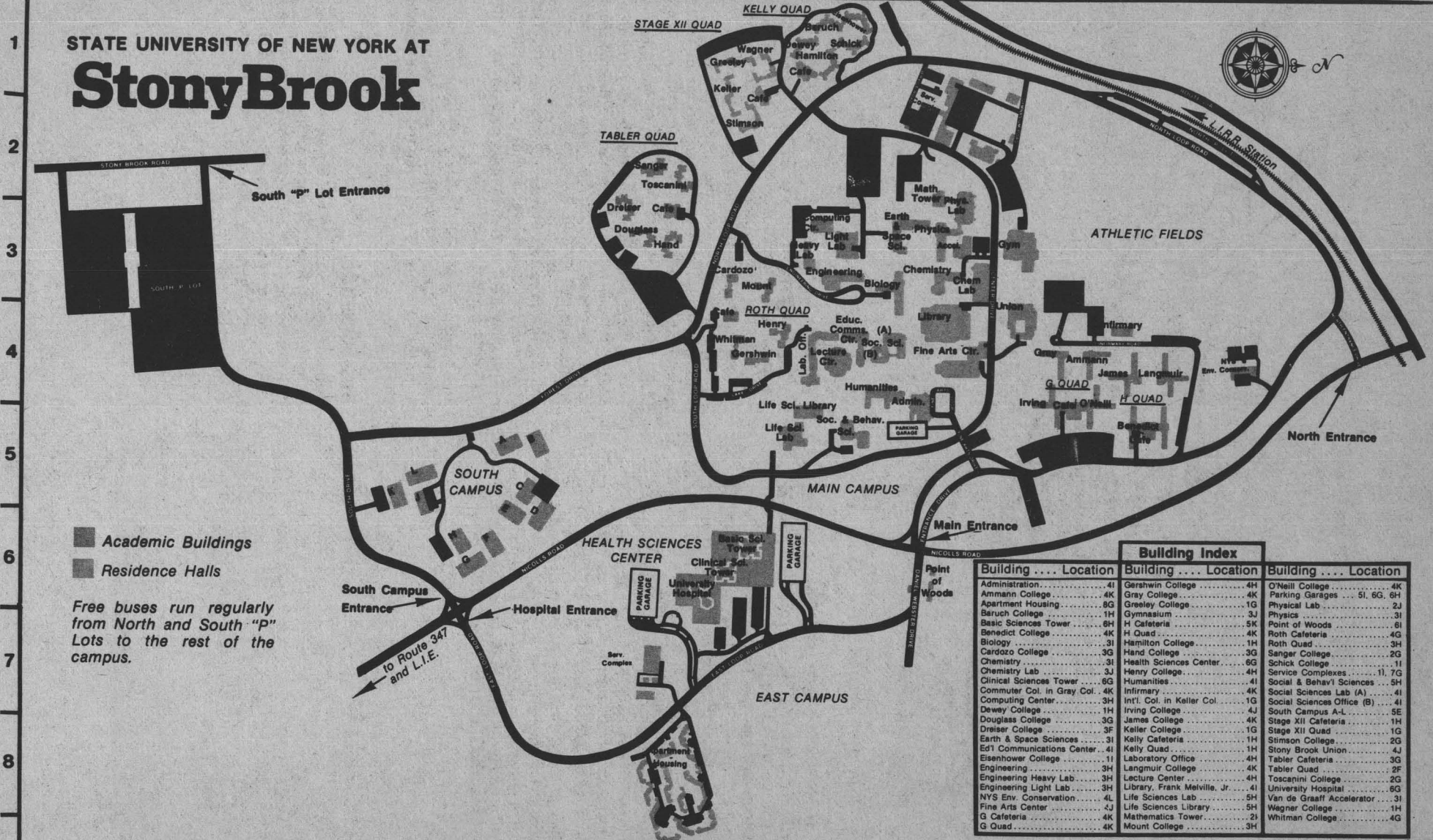
Free parking is available after 4:00 p.m. in any parking lot reserved for "Faculty and Staff," as well as in the "P" lots. There is limited bus service at night.

Bus Schedule

Bus service is available to all points on campus, including the Health Sciences Center and University Hospital. A schedule of bus stops and times is located outside the main office of the Center for Continuing Education, N-201 Social and Behavioral Sciences Building.

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STATE UNIVERSITY OF NEW YORK AT
Stony Brook



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Academic Calendar Fall 1984

Fall 1984 Semester

August 20-24, Monday-Friday

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

August 22, Wednesday

Evening registration from 5:30 to 7:00 p.m. for part-time students beginning in S-228 Social and Behavioral Sciences Building.

August 27, Monday

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

August 29, Wednesday

Senior citizen auditor program registration. Telephone 246-3305 for information.

September 3, Monday

Labor day; no day or evening classes.

September 10, Monday

End of late registration period. Last day for undergraduate students to add a course or drop a course without a W (Withdrawal) grade being recorded. Last day for all students to drop a course *without tuition liability*. Last day for undergraduates to apply for change of status to or from full-time/part-time.

September 14, Friday

Last day to file for December graduation. Undergraduates file at the Office of Records/Registrar; graduate students (except CED) file at Graduate School Office; CED graduate students file at CED office.

September 21, Friday

Last day for graduate students to add or withdraw from a course without a W (Withdrawal) grade being recorded.

September 27-28, Thursday-Friday

Rosh Hashanah recess; no classes on September 26 after 4:30 p.m.

October 11, Thursday

Last day for payment of deferred fall semester fees.

October 12, Friday

Columbus Day; classes in session.

October 26, Friday

Last day for undergraduate students to withdraw from a course without withdrawing from the University; last day to change courses to or from Pass/No Credit.

November 1, Thursday

Last day for removal of Incomplete and NR (No Record) grades from spring semester and summer session.

November 6, Tuesday

Election Day; classes in session.

November 12, Monday

Advance registration for spring semester begins (schedule announced prior to registration).

November 20, Tuesday

All classes will follow Thursday's schedule.

November 21, Wednesday

All classes will follow Friday's schedule; Thanksgiving recess begins at close of classes.

November 26, Monday

Classes resume.

December 7, Friday

Bills for spring semester mailed to preregistered students.

December 14, Friday

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

December 17, Monday

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

December 21, Friday

Final examinations end. Fall semester ends; winter recess begins at close of examinations.

Spring 1985 Semester

January 21, Monday

Classes begin.

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

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