

Undergraduate CATALOG 2016-2018



SUNY OLD WESTBURY

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Admission procedures, tuition, fees, courses of instruction, programs of study and academic regulations are subject to change. This catalog is published every two years; therefore some information contained herein may be outdated. For current information, contact the Office of Academic Affairs, P.O. Box 210, Old Westbury, New York 11568-0210, telephone (516) 876-3135.

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Direct inquiries to the pertinent office (Admissions, Registrar, Financial Aid, or Bursar) at SUNY Old Westbury, Old Westbury, New York 11568-0210. Telephone (main switchboard): (516) 876-3000.

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Undergraduate CATALOG

2016-2018

State University of New York
at Old Westbury

Calvin O. Butts, III, President

www.oldwestbury.edu

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Academic Calendar

FALL 2016

Aug 25 - Aug 26	Thurs-Fri	Advising for All students 10 am - 7pm – Thursday 10am - 4pm – Friday
Aug 27	Sat	Residence halls open for all new students (Freshman and Transfer)
Aug 28	Sun	Residence halls open for all returning students
Aug 29	Mon	Classes begin
Aug 29 - Sept. 4	Mon-Sun	Add/Drop/Late Registration (Web only on Sat and Sun; offices closed) (connect.oldwestbury.edu) (\$50 late registration fee)
Sept 5	Mon	Labor Day – no classes; offices closed
Oct 6	Thurs	Applications for graduation (Registrar's Office) due from candidates expecting to complete requirements by December 2016
Oct 10	Mon	Columbus Day observed – no classes offices closed
Oct 11	By Appointment	Advising begins in department offices for Spring 2016 registration
Oct 17 – Oct 22	Mon- Sat	Mid-term week
Oct 26	Wed	Mid-term grades due
Nov 7	Mon	Spring 2017 registration for seniors on the Web (connect.oldwestbury.edu)
Nov 8	Tues	Election Day – classes in session; offices minimally staffed
Nov 10	Thurs	Spring 2017 registration for juniors on the Web (connect.oldwestbury.edu)
Nov 11	Fri	Veterans Day- classes in session; offices minimally staffed.
Nov 14	Mon	Spring 2017 registration for sophomores on Web (connect.oldwestbury.edu)
Nov 17	Thurs	Spring 2017 registration for freshmen on the Web (connect.oldwestbury.edu)
Nov 18- Jan 22		Continual registration for Spring 2017 for all students on the Web (connect.oldwestbury.edu)
Nov 23	Wed	Dining Hall closes after dinner
Nov 24- Nov 27	Thurs- Sun	Thanksgiving Recess (begins after last class Wednesday)
Nov 27	Sun	Dining Hall reopens for dinner
Nov 28	Mon	Classes resume
Dec 13& 14	Tues-Wed	Make-up /Study Days* *If classes are cancelled for any reason, they will be made up on these days. Otherwise, students should utilize these days as study days.
Dec 15 – Dec 21	Thurs-Wed	Examinations week(Grades due 48 hours after final exams)
Dec 21	Wed	Fall semester ends after last examination
Dec 21	Wed	Residence Halls close at 10pm

WINTER 2017

Jan 2	Mon.	New Year's Day Observed – no classes; offices closed
Jan 3	Tues	Winter Mini-semester begins
Jan 3 – Jan 22		Continual registration for Spring 2017 for all students on the Web (connect.oldwestbury.edu)
Jan 16	Mon	Martin Luther King, Jr. Birthday observed-no classes; office closed
Jan 19	Thurs	Advising for all students 10 A.M. – 7 P.M.
Jan 20	Fri	Advising for all students 10 A.M. – 4 P.M. Winter Mini-semester ends

SPRING 2017

Jan 3 – Jan 22		Continual registration for Spring 2017 for all students on the Web (connect.oldwestbury.edu)
Jan 19	Thurs	Advising for all students 10 A.M. – 7 P.M.
Jan 20	Fri	Advising for all students 10 A.M. – 4 P.M. Winter Mini-semester ends
Jan 22	Sun	Residence Halls open
Jan 23	Mon	Classes begin
Jan 23 - 29th	Mon – Sun	Add/Drop/Late Registration (Web only on Sat and Sun; offices closed) (connect.oldwestbury.edu) (\$50 late registration fee)
Feb 20	Mon	President's Day – no classes; offices closed
March 1st	Tues	Applications for graduation (Registrar's office) due from candidates who expect to complete requirements by May 2017
March 6 - May 6	By Appointment	Advising begins in department offices for Fall 2017 registration
March 11	Sat	Dining Hall closes after breakfast
March 12- March 19	Sun-Sun	Spring Recess
March 19	Sun	Dining Hall Reopens for dinner
March 20	Mon	Classes Resume
March 20 - March 25	Mon- Sat	Mid -term week
March 29	Wed	Mid-term grades due
April 3rd	Mon	Fall 2017 registration for Seniors on the Web (connect.oldwestbury.edu)
April 6th	Thurs	Fall 2017 registration for juniors on the Web (connect.oldwestbury.edu)
April 10th	Mon	Fall 2017 registration for sophomores on the Web (connect.oldwestbury.edu)
April 13th	Thurs	Fall 2017 registration for freshmen on the Web (connect.oldwestbury.edu)
April 15 - Sept. 1st		Continual registration for Fall 2017 for all students on the Web (connect.oldwestbury.edu)
April 27	Thurs	Honors Convocation – classes cancelled from 2 P.M. – 6 P.M.
May 9	Tues	Make-up /Study Day* for Tuesday/Thursday classes *If classes are cancelled for any reason, they will be made up on these days. Otherwise, students should utilize these days as study days.
May 10	Wed	Make-up /Study Day* for Monday/Wednesday classes *If classes are cancelled for any reason, they will be made up on these days. Otherwise, students should utilize these days as study days.
May 11 – May 17	Thurs-Wed	Examinations week (Grades due 48 hours after final examination)
May 17	Wed	Spring semester ends after last examination
May 17	Wed	Residence Halls close at 10pm
May 21	Sun	Commencement
May 21	Sun	Commencement Graduating students check out of Residence Halls at 1pm or 6pm (based on morning or afternoon graduation ceremony)

SUMMER 2017

May 22	Mon	Summer Session IV begins (5 days/week)
May 29	Mon	Memorial Day observed – no classes; offices closed
June 9	Fri	Summer Session IV ends
June 12	Mon	Summer Session I begins (2 days/week) Summer Session II begins (4 days/week)
July 4	Tues	Independence Day; no classes, offices closed
July 14	Fri	Summer Session II ends Final grades due for Summer Session II 48 hours after final examination

July 17	Mon	Summer Session III begins (4 days/week, M-Th)
Aug 17	Thurs	Summer Sessions I and III end Final grades due for Summer Sessions I and III 48 hours after final examination

FALL 2017

Aug 31	Thurs	Advising for All students 10am - 7pm
Sept 1	Fri	Advising for all students 10am – 4pm
Sept. 3	Sun	Residence halls open for all new students (Freshman and Transfer)
Sept. 4	Mon	Residence halls open for all returning students
Sept. 5	Tues	Classes begin
Sept. 5 - Sept 12	Tues - Tues	Add/Drop/Late Registration (Web only Sat & Sun offices closed) (connect.oldwestbury.edu) (\$50 late registration fee)
Oct 2	Mon	Applications for graduation (Registrar's Office) due from candidates expecting to complete requirements by December 2017
Oct 2	By Appointment	Advising begins in department offices for Spring 2018 registration
Oct 9	Mon	Columbus Day observed – no classes offices closed
Oct 23 – Oct 28	Mon- Sat	Mid-term week
Oct 30	Mon	Mid-term grades due
Nov 6	Mon	Spring 2018 registration for seniors on the Web (connect.oldwestbury.edu)
Nov 7	Tues	Election Day – classes in session; offices minimally staffed
Nov 9	Thurs	Spring 2018 registration for juniors on the Web (connect.oldwestbury.edu)
Nov 13	Mon	Spring 2018 registration for sophomores on the Web (connect.oldwestbury.edu)
Nov 16	Thurs	Spring 2018 registration for freshmen on the Web (connect.oldwestbury.edu)
Nov 17 - Jan 19th		Continual registration for Spring 2018 for all students on the Web (connect.oldwestbury.edu)
Nov 22	Wed	Dining Hall closes after dinner
Nov 23 – Nov 26	Thurs – Sun	Thanksgiving Recess (begins after last class Wednesday)
Nov 26	Sun	Dining Hall reopens for dinner
Nov 27	Mon	Classes resume
Dec 13 & Dec 14	Wed/Thurs	Make-up /Study Days* *If classes are cancelled for any reason, they will be made up on these days. Otherwise, students should utilize these days as study days.
Dec 16 – Dec 22	Sat-Fri	Examinations week (Grades due 48 hours after final exams)
Dec 22	Fri	Fall semester ends after last examination
Dec 22	Fri	Residence Halls close at 10pm
Dec 25	Mon	Christmas Day – no classes; offices closed

WINTER 2018

Jan 1	Mon	New Year's Day – no classes; offices closed
Jan 2	Tues	Winter Mini-semester begins
Jan 4 – Jan 22		Continual registration for Spring 2018 for all students on the Web (connect.oldwestbury.edu)
Jan 15	Mon	Martin Luther King, Jr. Birthday observed-no classes; office closed
Jan 18	Thurs	Advising for all students 10 A.M. – 7 P.M.
Jan 19	Fri	Advising for all students 10 A.M. – 4 P.M. Winter Mini-semester ends
Jan 21	Sun	Residence Halls open

SPRING 2018

Jan 4 – Jan 22		Continual registration for Spring 2018 for all students on the Web (connect.oldwestbury.edu)
Jan 18	Thurs	Advising for all students 10 A.M. – 7 P.M.
Jan 19	Fri	Advising for all students 10 A.M. – 4 P.M. Winter Mini-semester ends
Jan 22	Mon	Classes begin
Jan 22 – Jan 28	Mon – Sun	Add/Drop/Late Registration on the Web only Sat & Sun offices are closed. (connect.oldwestbury.edu) (\$50 late registration fee)
Feb 12	Mon	Lincoln's Birthday – classes in session; offices minimally staffed
Feb 19	Mon	President's Day – no classes; offices closed
March 1	Thur	Applications for graduation (Registrar's office) due from candidates who expect to complete requirements by May 2018
March 5th	By Appointment	Advising begins in department offices for Fall 2018 registration
March 12 – March 17	Mon – Sat	Mid-term week
March 17	Sat	Dining Hall closes after breakfast
March 18- March 25	Sun- Sun	Spring recess
March 25	Sun	Dining Hall reopens for dinner
March 26	Mon	Classes resume
March 28	Wed	Mid-term grades due
April 2nd	Mon	Fall 2018 registration for Seniors on the Web (connect.oldwestbury.edu)
April 5th	Thurs	Fall 2018 registration for juniors on the Web (connect.oldwestbury.edu)
April 9th	Mon	Fall 2018 registration for sophomores on the Web (connect.oldwestbury.edu)
April 12th	Thurs	Fall 2018 registration for freshmen on the Web (connect.oldwestbury.edu)
April 13 – Aug 17th		Continual registration for Fall 2018 for all students on the Web (connect.oldwestbury.edu)
April 26	Thurs	Honors Convocation – classes cancelled from 2 P.M. – 6 P.M.
May 9 & 10	Wed & Thurs	Make-up /Study Day* *If classes are cancelled for any reason, they will be made up on these days. Otherwise, students should utilize these days as study days.
May 12 – May 18	Sat- Fri	Examinations week (Grades due 48 hours after final examination)
May 18	Fri	Spring semester ends after last examination
May 18	Fri	Residence Halls close at 10pm
May 20	Sun	Commencement
May 20	Sun	Graduating students check out of Residence Halls at 1pm or 6pm (based on morning or afternoon graduation ceremony)

SUMMER 2018

May 21	Mon	Summer Session IV begins (5 days/week)
May 28	Mon	Memorial Day observed – no classes; offices closed
June 8	Fri	Summer Session IV ends
June 11	Mon	Summer Session I begins (2 days/week) Summer Session II begins (4 days/week)
July 4	Wed	Independence Day; no classes, offices closed
July 16	Mon	Summer Session II ends Final grades due for Summer Session II 48 hours after final examination
July 17	Tues	Summer Session III begins (4 days/week, M-Th)
Aug 20	Mon	Summer Sessions I and III end Final grades due for Summer Sessions I and 48 hours after final examination

The President's Message



The character of State University of New York at Old Westbury is best defined by our search for knowledge and our willingness to teach what we know to one another: knowledge that changes the way we perceive the world; knowledge that solves problems and helps make our lives better; knowledge that creates a more humane and compassionate future for us all.

This catalog is designed as a guide to your academic experience as you seek and share knowledge at SUNY Old Westbury. It provides valuable information regarding the School of Arts and Sciences, the School of Business, the School of Education, and the School of Professional Studies. Included here are details about our nearly 50 undergraduate majors, descriptions of every course offered, and material about supportive programs in place to help you succeed at the highest levels.

Like many guides, however, the success of this catalog depends on its use by you, the student, as you interact with the College around you. While here, you will come in contact with the finest faculty and support staff I have known – men and women who pride themselves on the close, personal connections they make with students. You will also find at Old Westbury many ways to engage in your academic life – from participating actively in class to making the most of the programs and services avail-

able to assist you. These programs include the Honors College, Community Action, Learning and Leadership for Change, the Academic Advising Center, the Math Learning Center, and the Writing Center.

As a student at Old Westbury, you have the opportunity to experience an invigorating, challenging academic environment offered on our serene, 604-acre campus. As you utilize the information within this catalog and advance in your respective courses of study, experience the best we have to offer by becoming a fully engaged member of the campus community. By expressing your point of view, discussing your ideas and dreams, and debating the part you and your classmates play in society, you add vital elements to the knowledge we share amongst ourselves and, in the process, elevate the dynamic learning community that is SUNY Old Westbury.

A handwritten signature in black ink, which reads "Calvin O. Butts, III". The signature is fluid and cursive, with a prominent initial "C".

Calvin O. Butts, III
President

Mission Statement

SUNY College at Old Westbury is a dynamic and diverse public liberal arts college that fosters academic excellence through close interaction among students, faculty and staff. Old Westbury weaves the values of integrity, community engagement, and global citizenship into the fabric of its academic programs and campus life. In an environment that cultivates critical thinking, empathy, creativity and intercultural understanding, we endeavor to stimulate a passion for learning and a commitment to building a more just and sustainable world. The College is a community of students, teachers, staff, and alumni bound together in mutual support, respect, and dedication to the Mission.

Admissions Information

The State University of New York at Old Westbury seeks students who can profit from the educational opportunities it offers. The College is operating under competitive admission criteria and through the Office of Enrollment Services, each applicant is considered individually. Academic preparedness, critical thinking, creativity, intercultural understanding and civic involvement are all attributes the College seeks when admitting students.

The admission policy embodies a commitment to the principles of inclusiveness and diversity. The College does not consider just one academic criterion for admission. The policy allows the College to consider a wide range of academic achievements that may demonstrate an individual's ability to succeed at the College. Applicants who do not meet the standard admission criteria may apply or be considered for special admission programs, such as the Educational Opportunity Program.

Several departments including programs in the School of Education and the School of Business may have additional internal admission criteria that must be fulfilled prior to advancing to upper level courses within the department. Other departments have a minimum grade point average for continuation within the major. These departments and requirements are listed under the admission requirements section of the catalog or are described in the academic program section of the Catalog.

Admission and Application Procedures

Admission to the College is granted during the fall and spring semesters. Students who are accepted early for the fall semester may begin attending classes during the summer session. An applicant who is admitted may attend classes during the day or evening.

All documentation required for the admission process is described below. After careful review of an application, Enrollment Services Advisors may need further information to make a determination about a candidate's admission. In these cases, the Office of Enrollment Services may request that applicants submit additional information, such as letters of recommendation, senior year high school grades or an updated college transcript. A personal interview may also be requested.

The review of an applicant's eligibility for admission cannot be conducted until all the appropriate documents have been received. To inquire about the status of an application and its documentation, applicants should access the College's website at www.oldwestbury.edu and click on the connect.oldwestbury.edu link at the top right side of the homepage. Inaccurate or misleading information, submission of false records or omission of previous college attendance constitutes grounds for denial of admission.

Students who have clear career objectives should indicate the major that is desired on the application. This will enable the College to direct new students to the appropriate department for advisement. Students who are undecided about their major field of interest may apply as undecided. However, all transfer students entering with more than 42 credits must declare a major upon admission to the College (prior to the first day of class).

Applicants who do not meet the criteria for one program are not advised to apply for a different program to gain admission to the College. Eligibility based on coursework taken at Old Westbury for a different major may not be sufficient for admission to the original intended major. Applicants are advised to speak with an Admission Advisor before considering such action.

Applicants have the right to appeal an admission decision by submitting a letter to the Office of Enrollment Services, explaining the exceptional circumstances that occurred and describing actions taken that demonstrate a readiness to be academically successful at the College. Once information is obtained, a decision will be made by an Admission's Committee. Be advised that an appeal does not automatically result in an admission offer and the applicant denied to the College cannot file any other type of application for admission during the same semester.

Students are encouraged to declare a major as early as possible. Failure to declare a major will result in loss of eligibility for Federal financial aid. Furthermore, failure to declare a major prior to earning 42 credits will result in loss of eligibility for state financial aid (TAP).

An official declaration of major (see the Declaration of Major section in this catalog), separate from the application, is required for majors within the School of Business. The indication of a School of Business major on the admission application does not guarantee admission to the School of Business.

An official declaration of major, separate from the application, is required for majors within the School of Business. The indication of a School of Business major on the admission application does not guarantee admission to the School of Business.

All applicants must pay a non-refundable \$50 application fee and file either the Common Application or SUNY Application. The application fee is waived for transfer students who have received an associate's degree from a State University of New York Community College or a City University of New York Community College and apply directly to a SUNY college. Freshman applicants who qualify for the SUNY Educational Opportunity Program (EOP) are also eligible for an application fee waiver. Details about the waivers are described on both applications.

Undergraduate Applications for Degree Status (Matriculated)

All undergraduate applicants to the College at Old Westbury must file a State University of New York (SUNY) Admission Application or the Common Application. Students may file these applications on-line at www.suny.edu or www.commonapp.org.

Freshman Admission

First Time to College Application Documents

All students must submit a high school transcript and proof of high school graduation. High school students graduating with an IEP diploma (Individualized Education Program) must also receive a NYS General Education diploma as proof of NYS high school graduation. If students are graduating from high school during the same year that they enroll in college, a final high school transcript that reflects an actual date of graduation (not an anticipated date of graduation) or a copy of their high school diploma must also be submitted prior to the first day of classes. Additionally, a personal essay and one letter of reference are required for admission to the College.

SUNY Online Academic Record (SOAR)

Admission to the College may be based on the SUNY Self Reported Academic Record (SOAR) that is reported by the applicant using the SUNY website for admission. Applicants must enter their information accurately. Upon admission, an official high school transcript must be sent from the high school for verification. Any deliberate omission or falsification of information by applicants may result in denial of admission, revocation of admission and denial of enrollment (class registration and financial aid awards will be cancelled).

General Equivalency Diploma (GED)

Applicants receiving an Equivalency Diploma by passing the NYS GED exam must obtain a composite score of 3000. As of January 2014 applicants who have taken the new Test Assessing Secondary Completion (TASC) exam must contact the Office of Enrollment Services at (516) 876-3200 for admission information. First time to college applicants are also required to submit SAT scores directly from the College Board.

First Time to College with Advanced Standing Credits

Applicants who wish to be granted college credit for college course work completed while enrolled in high school, must forward an official college transcript reflecting the grade and amount of credits. Advanced Placement courses (AP), International GCSE A Levels or International Baccalaureate (IB) credit may be granted upon receipt of an official A Level, AP, or IB score report from the College Board or the high school.

First Time to College Admission Requirements (Freshman)

Admission to the College is based on an applicant's academic achievement in high school. Newly admitted freshman students accepted to the College in the Fall of 2015 had a median high school average of 87 and a median combined SAT score of 1,010. Admission is currently based on the total score of the Critical Reading and Mathematics portion of the SAT exam. Applicants taking the GED must have a minimum score of 3000 and must also meet the standardized test score requirements (minimum combined SAT score of 1,010 or Composite ACT score of 22). Additionally, the College reviews a student's academic and extracurricular activities. Applicants are required to describe these accomplishments in the *Personal Statement*, section of the SUNY application, or on the Common Application.

Applicants documents that are intended to be used for admission to SUNY Old Westbury that are not included on the SUNY SOAR or Common Applications (except international documents) must be mailed directly to SUNY Old Westbury, Admission Processing, 279 Broadway, Albany, New York 12204-2755.

Any changes to the College's admission policy made after the printing of this catalog, will appear on the Admission pages of the College's website at www.oldwestbury.edu. High school graduates are also encouraged to take a strong Regents or college preparatory program and pass the Regents exams in the following disciplines:

- 4 units/years of English
- 4 units/years of Social Studies
- 3 units/years of Mathematics
- 3 units/years of Natural Science (with lab)
- 2 or 3 units/years of Foreign Language

Applicants requesting an admission's decision appeal should send their request in writing to the Office of Enrollment Services and explain the reasons for the request. An Enrollment Service's Admission Committee will conduct a more extensive review of the application based on the applicant's special circumstances, the overall high school average (year to year progress), combined SAT scores, number and level of academically challenging courses, overall senior-year grades, the quality of the written essay (Supplemental Application or Autobiography)

and a personal interview. The Admission's Committee will then make a recommendation based on all available information and inform the applicant, in writing, of the decision.

High school students may obtain college credit for participating in the College Board's Advanced Placement Program with a minimum AP exam score of 3. Students following an IB high school program may also obtain college credits based upon scores received on the final exams (not coursework). For further college credit information, please contact the Office of the Registrar.

Applicants who are Permanent Residents or U.S. citizens and have completed their education outside the U.S. may need an evaluation of their education documents from Education Credential Evaluators, Inc. (ECE), or World Education Services. Applicants educated outside the USA should contact Enrollment Services to confirm the required documentation for their application. (See the credential evaluation information under the *International Application Processing* section of this catalog). In addition, all freshman applicants who are Permanent Residents must also submit an SAT score report for admission to the College. The IELTS or TOEFL exam is not required for Permanent Residents or US citizens educated in the USA.

Honors College Admission

A select group of incoming full-time freshmen are invited each year to participate as Honors College students. Admission to the Honors College at SUNY Old Westbury is based on past academic performance and the promise of an equally impressive record at our college. We value the continued pursuit of excellence and we believe that these students do as well. Eligibility for the college will be based on a variety of factors, but important selection criteria will include a review of high school average (approximately 90 or higher) and SAT scores (approximately a score of 1150 or higher).

BS/DO Accelerated 7-yr. program for Osteopathic Medicine

The College has a joint degree program with NYIT's College of Osteopathic Medicine. The program enables Old Westbury students to accelerate their Bachelors' degree and be admitted to the College of Osteopathic Medicine upon completion of the program requirements at the end of the third year at Old Westbury. Admission to this program requires high levels of academic achievement in high school; very strong SAT scores (parts I and/or II), or strong AP scores. Students are also required to achieve above the norm in the Medical College Admission Test (MCAT) that is taken during their junior year in college. For more information about admission to this program contact the Office of Enrollment Services at (516) 876-3200.

Early Action for Freshman Applicants (First Time to College)

High school students who apply for Early Action must submit their SUNY application or Common Application and documentation by November 1st for fall admission. Old Westbury will notify candidates of their admission by December 15th. All Early Action applicants who are accepted are required to make their tuition deposit by May 1st.

Transfer Student Admission

Transfer students may file the SUNY Application or Common Application. These applications can be obtained online at www.suny.edu or www.commonapp.org. All applicants and transfer application documents (except international documents) should be sent directly to SUNY Old Westbury, Admission Processing, 279 Broadway, Albany, New York 12204-2755.

Transfer Application Documents

Official college transcripts from each institution attended must be submitted separately.

Transcripts that reflect transfer credits from a different institution are not sufficient for completing your admission. Documents from institutions outside the United States (i.e. Non-American colleges) be evaluated by Education Credential Evaluators, Inc. (ECE), or World Education Services. (See the *International Application Processing* section of this catalog). The Office of Enrollment Services may be able to evaluate the overseas transcripts for admission purposes. However, to obtain transfer credits, an original copy of the international documents (transcripts or evaluations) must be sent to the Office of Enrollment Services for admission consideration.

Transfer applicants who have earned fewer than 24 college credits, must meet the entrance requirements listed under freshman admission in addition to meeting the requirements for transfer applicants. All transfer applicants with fewer than 24 college credits must submit a high school transcript or GED and an SAT score for admission.

All transfer students must also submit proof of high school graduation by submitting an official final high school transcript (or bring in the original high school diploma to Admissions for validation) even if the student has obtained an Associate degree. Students will not be allowed to enroll until this proof is submitted and Financial Aid cannot be awarded until the admission requirement is met.

Transfer Admission Requirements

Most programs at the College require a minimum cumulative grade point average of 2.00. Programs within the School of Education and the School of Business currently require higher minimum grade point averages. The

specific admission requirements for these programs are as follows:

- Accounting - 3.0 cumulative GPA
- All other majors within the School of Business - 2.7 cumulative GPA
- School of Education - 3.0 cumulative GPA (all majors within the School of Education)

All applicants must have been in good academic standing at the previous college of attendance to be considered for admission. Applicants who have been academically dismissed, suspended or have a block on their record for financial reasons, are not eligible to apply for admission until these conditions have been removed.

An official declaration of major (see the Declaration of Major section in this catalog), separate from the application, is required for majors within the School of Business.

Any changes to the College's admission policy made after the printing of this catalog, will appear on the admission pages of the College's website at www.oldwestbury.edu.

The School of Education also requires an additional internal application process for students who are about to register for upper-division courses. Applicants are encouraged to contact the School of Education to inquire about the course curriculum for certification requirements for teaching within New York State.

Transfer Credits

Transfer students must submit official transcripts for review before any transfer credit can be granted. Once these are received, individual courses are evaluated for equivalency by the Office of the Registrar. Notification of course equivalencies is sent to the student as quickly as possible. Transfer students must be accepted early in the admission cycle to ensure that these reviews are completed prior to advisement and registration. For additional information about transfer credit policies, see the *Academic Policy* section of the catalog.

International Student Admission

The international student population is an integral part of the community at Old Westbury. The College is interested in providing a climate in which international students' needs are met. The diverse nature of our student population provides a welcoming environment for international students to learn about the complex nature of the American culture. International students also have the opportunity to participate in many different cultural experiences within the College. A copy of the International Students Frequently Asked Questions can be downloaded by visiting the International Student section of the website at <http://www.oldwestbury.edu/admissions/international>.

International Students (Freshman and Transfer) Application Documents

International applicants who are educated outside the United States and are applying for a foreign student visa (F-1) must file the SUNY Application or Common Application. Students who have received all their secondary education outside of the USA and are US Permanent Residents or US Citizens should contact Enrollment Services for clarification on the requirements for admission. (See *Freshman or Transfer Application* procedures.)

All applicants must send a copy of the following documents to be considered for admission:

- An original copy of the secondary school transcripts and certificates (for all applicants who have never attended a post-secondary institution). Applicants utilizing the WES Verification Service do not need to include a copy of the original transcript.
- Applicants who have attended a post-secondary institution must send a copy of their post-secondary school transcripts and certificates in their original language. It is also strongly recommended that a syllabus or college catalog translated into English, be forwarded to the Office of Enrollment Services. This will facilitate the academic advisement and transfer credit evaluation process. Applicants utilizing the new WES Verification Service do not need to include a copy of the original transcript.
- All applicants must also have all educational documents evaluated by Education Credential Evaluators, Inc. (ECE), or World Education Services, Inc. (WES). An official copy of the evaluation must be sent to the Office of Enrollment Services unless an Admission Advisor waives the specific evaluation (this waiver may be available for a few foreign countries only). Contact the Office of Enrollment Services for further information.
- Proof of English Proficiency is required. All applicants whose native language is other than English must take one of the following exams: Test of English as a Foreign Language Internet Based Test (TOEFL iBT), International English Language Testing System (IELTS), the International Test of English Proficiency (ITEP) or the advanced level of ESL at either Fulton-Montgomery Community College, Mohawk Valley Community College (M-HB ESL program), Stony Brook University's Intensive English Center, (IEC) or English 112 in the ELS Educational Service's Language Center, with a passing grade. (English 112 is used for undergraduate admissions only). Students who have also passed an English composition course taken at an accredited American University with a grade of C or better are waived from taking the TOEFL or IELTS exam.
- The minimum English proficiency test scores for admission are as follows: 61 on the TOEFL iBT, 6.0 composite IELTS score, Level 3 ITEP.

- International students are also required to demonstrate sufficient financial ability to attend school and meet living expenses in order to be granted permission to visit the United States as a student. All international applicants are required to submit the Financial Statement form and official bank statements reflecting the appropriate amount of money in US dollars prior to being issued an I-20.
- Immunization records are also required for completion of an application for admission. (See section on *Requirements for Enrollment*).

There are additional forms that must be submitted before the admission process is completed. It is recommended that applications for the fall semester be completed by **March 15th** and by **October 15th** for the spring semester. Applications received after this recommended deadline will be processed on a space-available basis. This time-frame allows most applicants sufficient time to request a student visa (F-1) from the appropriate consulate office within their country. After the applicant is accepted, the I-20 form is created and sent to the applicant. The I-20 is required for requesting the student visa (F-1). Please contact the Office of Enrollment Services at (516) 876-3200 to obtain the specific forms for international applicants.

International Admission Requirements

Admission to the College is based on a student's successful completion of secondary school and on their academic achievement. Evaluations conducted by ECE, or WES are designed to equate the level of education in foreign countries to the level of education within the U.S. International freshman applicants should have an equivalent secondary school average of an 80 (US average) or above. In addition, all international freshman applicants whose native language is other than English must demonstrate English proficiency as explained in the *International Student Application Documents* section of this catalog.

International Transfer Requirements

Admission as a transfer student is based on the academic achievement within the post-secondary institution.

All programs in the School of Arts and Sciences require a minimum cumulative grade point average of 2.00. Programs within the School of Education and the School of Business currently require higher minimum grade point averages. The basic academic admission requirements for these program are as follows:

- Accounting - 3.0 cumulative GPA
- All other majors within the School of Business - 2.7. cumulative GPA
- School of Education - 3.0 cumulative GPA (all majors within the School of Education)

An official declaration of major (see the Declaration of Major section in this catalog), separate from the application, is required for majors within the School of Business.

The School of Business requires all students to file a "Declaration of Major" Form with the Office of the Registrar prior to enrolling in upper division courses. The School of Education also has several requirements that must be met prior to entering into the upper level Education courses. Students should contact the School of Education for specific information about these additional requirements

Any changes to the College's admission policy made after the printing of this catalog, will appear on the admission pages of the College's website at www.oldwestbury.edu.

International transfer applicants whose native language is other than English must demonstrate English proficiency for admission to the college as explained in the *International Student Application Documents* section of this catalog.

Special Admission Programs for Degree Status (Matriculated)

Educational Opportunity Programs (EOP)

EOP is designed to provide educational opportunities for academically and economically disadvantaged students. This program provides additional academic and administrative support to assist EOP students with their academic success at the College. All applicants to EOP must submit the same documentation as other applicants to the College. This is identified in the *Application Processing* section of the catalog. Additionally, applicants for EOP must also submit proof of financial eligibility to qualify for EOP admission. The Office of Enrollment Services, the Office of Financial Aid and the EOP Office jointly determine eligibility. Individual grants are determined by the Office of Financial Aid and vary based on need.

To be eligible for admission to the Educational Opportunity Program you must be:

- A New York State resident for 12 months prior to enrollment
- Ineligible for admission under traditional standards, but demonstrate potential for completing a college program
- In need of financial assistance within established income guidelines

In selecting students for the program, priority is given to applicants from historically disadvantaged backgrounds.

For further information about eligibility, visit the SUNY website at http://www.suny.edu/student/academic_eop.cfm/ Interested applicants must file the SUNY Application for Admission as mentioned in the *Admission and Application*

Procedures section of the catalog and must specify an interest in EOP on the SUNY application where it applies. Specific information about the EOP program may also be found in the EOP section of this catalog.

Second Degree Students

Students who have received a baccalaureate degree and wish to pursue a second degree may do so by applying to the College as Degree (Matriculated) students. The College's transfer admission requirements must be met. Department degree requirements and college residency requirements for each degree must also be met. General Education requirements are usually satisfied if a student has earned the first degree at another SUNY institution. General Education requirements are evaluated on an individual basis for any first degrees from non-SUNY institutions.

Second degree students must earn a minimum of 40 credits hours* of which a minimum of 30 must be taken in a field that is significantly different in academic content from the first baccalaureate degree. A "significant difference" normally will be interpreted as meaning "in a different discipline or subject matter area."

***48 credits are required for Accounting.**

Evening Program

The College does not make a distinction between daytime and evening students, curricula or faculty. Applicants interested in applying as matriculated students must follow the procedures mentioned in the previous section (see *Freshman or Transfer Admission*). Students should read the *Evening Students Statement* for each academic department to determine the feasibility of pursuing a degree as an evening student.

Students may attend classes on a full-time or part-time basis during the day or evening (after 6:00 PM). Please note that non-matriculated students may take a maximum of 32 credits at Old Westbury but are not eligible for financial aid. Students who wish to pursue study beyond 32 credits must apply for matriculation and meet the appropriate academic requirements for admission.

Air Force ROTC Program

The Air Force ROTC Program (AFROTC) enables students at SUNY College at Old Westbury to participate in Air Force ROTC at Manhattan College. It allows the Air Force, indirectly through Manhattan College, the host institution, to reimburse SUNY College at Old Westbury for tuition and scholarship fees of contracted ROTC students who participate in this AFROTC program. For additional information, contact (718) 862-7201.

Army ROTC Program

The Army ROTC Program is available in participation with Hofstra University. This program qualifies students for appointment as an officer of the United States Army, Army Reserve or Army National Guard. Students have the option of enrolling in two- or four-year programs and may qualify for scholarships based on merit. For additional information, contact (516) 463-5648.

Requirements for Enrollment Upon Admission

College Proficiency requirements for English and Mathematics

As a fundamental part of the College's requirements, proficiency in Mathematics and English Composition is required of all students. New students will be advised and placed into a Mathematics course and an English course unless an appropriate college level course or standardized examination score is deemed equivalent.

The College does not administer placement exams for new students in English or Mathematics. Students that have coursework taken at an accredited US college or have taken an advanced level examination (ex: AP, IB, etc.) must make sure that the transcripts or official examination scores are submitted to the Office of the Registrar before attending the New Student Orientation Program or registering for classes. See the Degree Requirements section in this Catalog for further information about these proficiencies.

Immunization Requirements

All students born after January 1, 1957, who plan to register for at least six semester hours will be required to provide adequate proof of immunization against measles, mumps and rubella in accordance with standards approved by the New York State Department of Health. Students must also show proof of meningococcal meningitis immunization or sign a statement of declination.

Proof of immunity to measles is defined as two doses of live measles vaccine on or after the first birthday and at least 28 days apart (preferably three months), physician documented history of disease, or serologic evidence of immunity. Proof of the mumps vaccination is defined as one dose of live mumps vaccine on or after the first birthday, a physician-documented history of disease or a serologic evidence of immunity.

Records should include the date the vaccine was administered, the type, the manufacturer and lot number of the vaccine, and the signature of persons administering the vaccine stamped with their address and title.

All documentation should be submitted to the College's Office of Student Health Services prior to registration. Please note: international students must submit proof of immunization at the time of application in order for an I-20 form to be issued.

Although students enrolled for fewer than six semester credit/hours are exempt from these requirements, immunization is strongly encouraged by public health officials. Students taking college courses that are offered at other locations are not exempt from this regulation.

In the event of an outbreak, the College may be required to exclude all susceptible students from attendance until danger of transmission has passed or until the required documentation is submitted. This exclusion will affect those who have medical, religious, or temporary exemptions.

Housing, Tuition Deposits

To confirm your acceptance to the College and to reserve a room in the Residence Halls, a tuition and housing deposit is required by May 1st (fall semester) or November 1st (spring semester). Please note that housing deposits and applications received after this date are processed on a space available basis. Refer to the *Tuition and Fee Information* section of the catalog for detailed information.

Admission for Non-Matriculated Students (not seeking a degree)

Students who wish to continue their education and enrich their lives by taking credit-bearing courses or students who wish to maintain their matriculated status at their home institution, may attend the College as non-matriculated students.

Non-matriculated students can earn a maximum of 32 credits. While the College's placement exam is not a requirement, students are expected to meet all course prerequisites. Students who wish to pursue study beyond 32 credits must apply to the College as a matriculated student and meet the appropriate academic requirements for admission.

Generally, students who participate in non-matriculated programs are not eligible for financial aid, except for programs that have parent college participation agreements. (See *Visiting Student* section.) Applicants who wish to apply for financial aid for part-time study must be admitted to the college as a degree or matriculated student (see section on *Freshman or Transfer Admission*).

Non-matriculated students register during the final registration periods and must submit immunization documents if registering for more than one course per semester.

High School Enrichment Program

High school juniors and seniors may enroll in a maximum of 8 credits per semester while they are still in high school. To qualify for this program, high school students must have achieved junior status or higher in high school (completed at least two years of high school) and must have a cumulative high school average of an 80. Students interested in this program must submit a copy of their high school transcript along with a SUNY Old Westbury High School Enrichment Application to the Office of Enrollment Services. Students may earn a maximum of 32 credits as a non-matriculated student. Students are not eligible for financial aid while attending the college under this program.

Life Long Learner Program

High school graduates and college students who have not earned a baccalaureate degree may wish to continue their education as non-matriculated Life Long Learners. Individuals wishing to apply on this basis must submit a copy of their high school diploma, or a copy of their college transcript reflecting good academic standing, from the most recent college attended.

Life Long Learner applications are available in the Office of Enrollment Services. Please note that non-matriculated students are not eligible for financial aid. Non-matriculated students may take a maximum of 32 credits. Students who wish to pursue study beyond 32 credits must apply for matriculation and meet the appropriate academic requirements for admission.

Non-Degree Program

Students who currently hold a baccalaureate degree may apply to the College as a non-matriculated student through the Non-degree program. Individuals who wish to apply for this program must submit a copy of their college degree and file a Non-Degree Application at the Office of Enrollment Services.

Please note that non-matriculated students are not eligible for financial aid. Non-matriculated students may take a maximum of 32 credits. Students who wish to pursue study beyond 32 credits must apply for matriculation and meet the appropriate academic requirements for admission.

Visiting Student Program

SUNY Old Westbury participates in the Visiting Student Program for colleges and universities in the State of New York. A student attending a college or university in New York State is eligible to study at another participating institution within the state for one semester or one year, while still maintaining matriculated status at the parent institution.

Visiting students must pay tuition and fees to SUNY Old Westbury for the semester or year of enrollment. Students applying for financial aid must apply at the parent institution. The appropriate financial aid awards will be credited to the participating college on behalf of the visiting student.

To register at Old Westbury as a Visiting Student, the applicant must:

- Obtain a Visiting Student Application and Data Entry Form from the Office of Enrollment Services;
- Include a letter from the parent institution granting permission to take courses at the College at Old Westbury. If there are specific courses required, these should be identified in the letter;
- A copy of a current transcript must also be attached to the application.

Visiting students must register during the appropriate scheduled time that is reflected in the class schedule.

Summer Session Admission

The summer session is a convenient way to take college courses near your home in just a few short weeks. The College usually offers a variety of summer sessions during the summer months of May, June, July, and August. Admission is on a non-matriculated basis. However, current matriculated Old Westbury students may register for summer classes. Current Old Westbury students who need to use Financial Aid for the summer sessions should meet with a Financial Aid Advisor in advance to secure their aid of the entire academic year (including the summer session).

Interested high school and college students may take summer session classes at the College by filing a Quick Admit form at the Office of Enrollment Services during the spring semester. Students enrolling in more than one class during the summer must meet New York State Immunization requirements before the first day of classes.

For detailed information and the schedule of classes, visit the College's website at www.oldwestbury.edu. Registration information is made available during the spring semester.

Audit Opportunities

"Over Sixty" (Senior Auditor) Program

The "Over 60" Program (OSP) permits persons 60 years of age and over to observe (audit) courses on a space-available, instructor permission basis without the payment of tuition. Participating observers will not receive academic credit for courses attended. Course observers/auditors with an auditor ID card are permitted the use the Library and the Clark Center (gym). The OSP program is a privilege and may be revoked by the college at anytime.

How to Enroll in the OSP Program:

- Complete a "Senior Auditor" application with the Office of Enrollment Services.
- When the application has been processed, it will be returned to you for instructor approval.
- View the course schedule at www.oldwestbury.edu to choose a course.
- On the first day of class, request permission of the instructor of the course you would like to audit. If the instructor approves, s/he may sign the application.
- Submit the completed application to the Office of the Registrar.
- After the course to be audited is recorded as such, an auditor may request an ID card and purchase a vehicle registration decal. Auditors can purchase a parking decal at the Bursar's Office. The cost is \$10.00 for the first vehicle and \$5.00 for each additional vehicle. Failure to register vehicle/s will result in ticketing and possible towing at the owner's expense.

Alumni/Alumnae Program

Graduates of the State University of New York at Old Westbury may observe (audit) courses with permission of the instructor without payment of tuition and fees. Permission to audit courses should be arranged directly with the instructor prior to the first day of classes. Interested alumni/alumnae should obtain a copy of the class schedule on the website at www.oldwestbury.edu or through the Office of the Registrar.

Veterans Benefits

When a student's tuition charge is supported by the Department of Veterans Affairs' Educational Benefit, the tuition charge may be deferred if the student files a request for deferral and submits supporting documents to the Campus Veterans Certifying Officer, who is located in the Office of the Registrar. To apply for the Department of Veterans Affairs' Educational Benefit, the student must complete or provide proof of the following:

1. Department of Veterans Affairs' Educational Benefit Application /a claim for benefit has been filled;
2. Letter of eligibility for benefits;
3. DD-214 Member 4 copy.

Note:

- Students are responsible for full payment of all tuition and fees, which must be paid by the mid-point of a semester, even if payment is deferred based on ACCES, Veterans Benefits, or Tuition Plans.

- VA benefits will likely be considered duplicate benefits by NYSHESC and therefore will affect NYSHESC (such as TAP) award amounts. Alumni Association Program

Graduates of the State University of New York College at Old Westbury who are members of the Old Westbury Alumni Association may also observe (audit) courses with permission of the instructor without payment of tuition and fees. Permission to audit courses should be arranged directly with the instructor prior to the first day of classes. The Alumni Association ID card will enable all Alumni Association members to use the College's facilities.

Interested alumni should obtain a copy of the class schedule on the website at www.oldwestbury.edu or through the Office of the Registrar.

Application procedure for Matriculation (Degree status) from a Non-Degree (Non-Matriculated) Status

Presently enrolled non-matriculated students may apply for matriculation for the following semester of attendance. Applications filed during the fall semester will be considered for spring admission and applications filed in the spring will be considered for fall admission. A student status cannot be changed during the current semester. Students who wish to file for financial aid should apply to the College as a matriculated student.

Applicants for matriculation must meet the admission criteria at the time the application is submitted (see *Freshman or Transfer Application* and *Admission Procedures* section of the catalog). Applicants must also meet the College's lower-division mastery requirements. All college credit course work will be evaluated for completion of degree requirements.

Interested students are encouraged to make an appointment with an Admissions Counselor for specific information, requirements and procedures. Applicants denied admission to the College as a degree or matriculated student cannot apply as a non-degree/non-matriculated student during the same semester.

Readmission

Students who have previously attended Old Westbury and wish to return after an absence of one or more semesters must file an Application for Readmission entry at the Office of the Enrollment Services at least one month prior to the beginning of the semester.

If readmitted, students who have been away from the College for five years or less will be subject to the college catalog requirements that were in effect when initially admitted. If readmitted, students absent for more than five years will be subject to all requirements in the college catalog that is in effect at the time of admission (including new GPA requirements for admission). If readmitted, students with outstanding financial obligations to the institution will not be permitted to register unless all obligations have been satisfied. If readmitted, students who had been academically dismissed must be approved for reinstatement by the Academic Standing Committee.

Students that have attended another institution during their absence at Old Westbury must submit an official transcript of each institution attended. Any deliberate falsification or omission of any data constitutes grounds for denial of admission.

Tuition And Fee Information

Tuition and fees related to enrollment at the SUNY Old Westbury are based on the schedule printed below. All tuition and fee charges are established in accordance with State University of New York policies.

Charges and Fees *

	Tuition Semester	Academic Year	Semester	Academic Year
New York State Residents:				
Full-time (12 credits or more)	\$3,235.00	\$6,470.00		
Part-time (fewer than 12 credits)	\$270.00 per credit			
Nonresidents:				
Full-time (12 credits or more)	\$8,160.00	\$16,320.00		
Part-time (fewer than 12 credits)	\$680.00 per credit			
College Fee				
Full-time student	\$12.50	\$25.00		
Part-time student	\$0.85 per credit			
Student Government Activity Fee¹				
Full-time student	\$87.50	\$175.00		
Part-time student	\$51.00	\$102.00		
Intercollegiate Athletic Fee				
Full-time student	\$164.00	\$328.00		
Part-time student	\$82.00	\$164.00		
Health Service Fee				
Full-time student	\$110.00	\$220.00		
Part-time student	\$9.50 per credit			
Technology Fee				
Full-time student	\$162.50	\$325.00		
Part-time student	\$13.50 per credit			
Transportation Fee				
Full-time student	\$50.00	\$100.00		
Part-time student	\$25.00	\$50.00		
Foreign Student Health Insurance				
(applies to international students and to SUNY Old Westbury students studying abroad)		\$1301.25**		
** Fall \$542.25, Spring \$739.00				

Housing

Double Occupancy	\$3,500.00	\$7,000.00
Advance Housing Deposit ²	\$50.00	
Room Damage Deposit ³	\$50.00	
Key Deposit (includes mailbox key)	\$35.00	
Common Area Damage Deposit	\$25.00	

Board (Meals)

All dormitory residents must participate in one of the following meal plans, which includes a declining balance (d.b.) service:

All 19 meals per week/ \$300 d.b.	\$1,695.00	\$3,390.00
Any 14 meals per week/ \$350 d.b.	\$1,695.00	\$3,390.00
Any 10 meals per week/ \$400 d.b.	\$1,695.00	\$3,390.00

Meal Plan Rates are subject to change each year.

The fees below are payable for each occurrence or request:

College Identification Card Replacement	\$10.00
Key Replacement	\$10.00
Late Registration Fee	\$50.00
Re-Registration Fee (following cancellation of classes)	\$50.00
Returned Check Fee	\$20.00
Late Add/Drop Fee (per transaction)	\$20.00
Transcript Fee (each official and student copy)	\$10.00
Diploma Fee	\$10.00
Late Payment Fee	\$50.00

* The schedule above represents current tuition, fees and charges and is subject to change without notice.

¹ As a result of a student referendum, this student government activity fee is mandatory for all students. The purpose of this fee is to provide financial assistance for student conducted and/or student oriented programs, clubs and activities. Once the annual budget has been approved by the College administration, the Student Government, the recognized student government organization at the College, disburses these monies through its bonded officers according to established State University procedures (SUNY Regulations 302.14 of Title 8).

² Required of all dormitory residents for the fall semester. Required of all students seeking spring housing who did not live on campus during the fall semester.

³ Deposits must be maintained throughout each semester of residence.

Residency Requirements

For tuition billing purposes, mere presence in New York State does not in itself constitute legal residence in the state. Students who are defined as New York State residents are those who, prior to the beginning of the semester, have established a permanent domicile in New York State for a period of at least one year immediately preceding the date of registration.

Students in college cannot gain residential status unless they can establish that their previous domicile has been abandoned and a new one established in New York for purposes other than attending the University. Proof of domicile is based on intention to remain in New York State. Factors relevant in determining domicile are: residence of parents (in case of unemancipated students), proof of financial independence, residence for personal income tax purposes, etc. An unemancipated student's domicile is that of the parent or legal guardian. Any student

claiming emancipation to establish a domicile in New York must submit evidence of emancipation and of the establishment of domicile. Evidence of emancipation must include the establishment of financial independence. Factors relevant to financial independence include but are not limited to: employment on a full-time or part-time basis, sources and extent of other income, place of residence during summer and school vacations, parents' prior year federal and state income tax returns as proof student was not claimed, independent filing by student of federal and state income tax returns, and utility bills in the student's name, dating back one full calendar year. Students on non-immigrant alien visa types B1, B2, C1, C2, C3, D1, F1, F2, H2, H3, J1, J2, M1 or M2 are not eligible to be considered New York State residents regardless of their length of stay. Students who are holders of A1, A2, A3, all G, H1, H4, I, all K and L1, L2 visas are probably eligible to be considered as New York State residents if domiciled in New York State. Copies of all immigration and visa information, including alien registration card must accompany the application for Residence Status. In any case, the residency application must be filed prior to the first day of classes of the term in which residency is sought. Applications for residency are available at the Office of the Bursar, Campus Center, I-104.

Payment of Fees and Charges

Tuition and other fees are payable by cash, check or money order made payable to SUNY Old Westbury. Payments may also be made using Visa, Mastercard or Discover. Payments can be made online at my.oldwestbury.edu.

A fee of \$20 will be assessed for each check returned by the bank on which it is drawn. Any student whose check is returned will be required to make all future payments by cash, money order or credit card.

Failure to make payment by the due date may result in the cancellation of classes.

NOTE: STATE DEBT COLLECTION LAWS AFFECTING ALL PAST DUE DEBTS OWED TO THE STATE OF NEW YORK

Certain State Laws that became effective on January 1, 1995 have granted additional enforcement powers to New York State agencies for collection of non-tax debts. These laws have augmented those codes and regulations that previously existed within the State University of New York. If you have a current or outstanding debt with the University, you are strongly urged to settle this matter now.

IMPORTANT PROVISIONS

INTEREST OR PENALTY ON OVERDUE NON-TAX DEBT – State Finance Law § 18

State agencies are authorized to assess interest or late payment penalty charges on overdue debts.

COLLECTION FEE – State Finance Law § 18

State agencies or their representatives may charge collection fees to cover the estimated costs of processing, handling and collecting delinquent debts. The amount can be as much as 22% of the outstanding debt.

AUTHORITY TO HOLD TRANSCRIPTS AND DENY REGISTRATION – Section 302.1 (j) of Chapter V, Title 8 of the Official Compilation of Codes, Rules and Regulations

No person shall receive credit or other official recognition for work completed satisfactorily, or be allowed to re-register, until all tuition, fees and all other charges authorized by State University have been paid or University student loan obligations have been satisfied.

REFERRAL OF THE DEBT TO THE TAX DEPARTMENT – State Tax Law § 171-f

State agencies are authorized to certify to the Department of Taxation and Finance that past due legally enforceable debts should be offset against any tax refunds, contracts or other State payments.

RETURNED CHECK CHARGE – State Finance Law § 19

State agencies are authorized to charge a returned check fee when a check is dishonored. If you wish to avoid these measures, you MUST make arrangements to resolve any outstanding debts as soon as possible. If you have questions regarding your debt, please contact the Bursar's Office at (516) 876-3168.

Adult Career and Continuing Education Services (ACCES)

The Adult Career and Continuing Education Services, or the New York State Education Department, will authorize the payment for the tuition, college fees, room and board for eligible (disabled) students. Inquiries regarding services authorized for vocational rehabilitation students should be addressed to a District Office of the Office of ACCES.

Payment Plans

The College is authorized by SUNY to defer payment up to one half of direct college costs, until the mid-point of a semester, for students who contract with the time payment plan. The amount of deferred payment will be based upon the contract amount. This time payment plan requires a nominal fee per semester. For further information,

please contact the Office of the Bursar at (516) 876-3168.

Veterans Benefits

When a student's tuition charge is supported by Veteran's Benefit Payment, the tuition charge may be deferred if the student files a request for deferral and submits it to the Campus Veteran's Certifying Officer, who is located in the Registrar's Office, along with proof:

1. That a claim for benefit has been filed;
2. Of eligibility for benefits;
3. Of extent of entitlement for benefit.

Note: Students are responsible for full payment of all tuition and fees, which must be paid by the mid-point of a semester, even if payment is deferred based on ACCES, Veterans Benefits, or Tuition Plans.

Refund Schedule

Tuition

A student who submits an appropriately completed drop or withdrawal form shall be liable for payment of tuition in accordance with the following schedule. A drop or withdrawal form, which is obtainable at the Registrar's Office, must be completed and returned to that office by the deadline listed in the class schedule. Refunds will be calculated based on the date of withdrawal, defined as the date the Registrar's Office receives the request.

Schedule of Tuition Liability (fall and spring semesters)

Liability During Week of Semester	Percentage of Semester's Tuition for which Student Is Liable
First Week	0%
Fifth Week	100%
Second Week	30%
Third Week	50%
Fourth Week	70%

Approval of the cancellation, as well as the date it becomes effective, must be certified by the chief administrative officer of the College or his/her duly designated representative. No money shall be refunded unless an application for a refund is made within one year after the end of the term for which the tuition requested to be refunded was paid to the State University. The first day of class sessions shall be considered the first day of the semester, and the first week of classes for purposes of this section shall be deemed to have ended when seven calendar days, including the first day of scheduled classes, have elapsed.

Students withdrawing from a course or courses must do so officially through the Registrar's Office. **NONATTENDANCE in a course does NOT constitute withdrawal.** Students are liable for payment of tuition and fees up to the date on which the application for withdrawal is officially approved.

All tuition and fee refunds require eight to ten weeks for processing. All refund procedures are established in accordance with SUNY policies.

Exceptions

- There shall be no tuition or fee liability established for a student who withdraws to enter military service prior to the end of an academic term. Proof must be submitted.
- A student who is dismissed for disciplinary reasons or administratively withdrawn for failure to comply with immunization requirements, prior to the end of an academic term, shall be liable for all tuition and fees due for that term.

Advance Housing Deposit (fall and spring semesters)

Each dormitory student is required to pay a housing deposit of \$50 when applying for housing. The deposit is applied against housing charges incurred by the student during the semester.

The advance housing deposit is not refundable after July 1, for fall semester reservations and December 15 for spring semester reservations. Students cancelling after these dates forfeit their deposits. If the deposits were made after these deadlines, the deposits are refundable for 30 days from the date of payment or until the first day of classes, whichever comes first. An applicant placed on a waiting list who does not receive a room is entitled to a refund of the deposit. All requests for refunds of the deposit must be made in writing to the Office of Residential Life.

Advance deposits will not be carried forward to subsequent semesters. A refund must be requested.

Room and Board

Requests for refund of room rent and/or board (meals) must be made by completing a Housing Termination form obtained from the Office of Residential Life. Room rent is payable in advance of occupancy. A student who withdraws from the residence halls any time prior to the midpoint of the semester is liable for rent as prorated based upon the week of termination. A student who withdraws after the midpoint of the semester is liable for the full semester's rent. Room rental rates are not affected by brief lapses in service. Students who are suspended/dismitted/expelled from residence halls or the College for academic or disciplinary reasons will not be given refunds of room rents and deposits.

Only those students who have withdrawn from residence halls will be entitled to a meal plan refund. Meal plan refunds will be calculated by dividing the amount the student was charged, by the number of weeks in the period and multiplying this by the number of weeks during which meals were eaten. Meals eaten during a portion of a week shall be considered as having been eaten for a full week. There shall be no refund for less than a week. The request for refund shall include the reason that the refund is sought. Residents have the option of changing from one plan to another during the first five days of each semester.

Key and Room Damage Deposits

As authorized by SUNY, a \$50 room and suite damage deposit, a \$25 common area damage deposit and a \$35 key deposit must be maintained throughout each semester a student lives on campus. These deposits are required to defray costs of repairing students' rooms, suites, common areas, key cylinders and replacing lost keys. If any damage occurs in such areas as student rooms, bathrooms, suites or common areas such as stairwells, hallways and lounges, which cannot be properly charged to an individual, all members of the suite floor, building or area community may share equal financial responsibility for the damage. Any damage or key deposits remaining upon a student's departure from residence housing will be refunded (to the student) in accordance with SUNY policy.

Student Government Fee

Requests for refund of the student activity fee must be made in writing directly to the Executive Board of the Student Government Association.

Foreign Student Health Insurance Fee

All international students, including participants in international exchange, overseas academic programs, and research programs, are required to participate in the state operated Health Insurance Program, unless they can document comparable alternative insurance coverage. The foreign student health insurance fee cannot be deferred. Payments must be made in full to the Bursar's Office. (Evidence to authenticate an alternative insurance plan held by a student must be produced before a waiver can be granted.) For additional information, students may contact the International Student Advisor, located in the Office of Enrollment Services.

Health Service Fee

Refunds of the Health Service fee will be issued in accordance with the Schedule of Tuition Liability of the State University of New York. No refunds will be given after the end of the fourth week of a semester.

For further information, students are advised to contact the Office of Student Health Services.

College Fee

The College fee is not refundable except for a student who withdraws to enter military service prior to the end of an academic term. Proof must be submitted to the Registrar's Office.

Intercollegiate Athletic Fee

Refunds of the Intercollegiate Athletic Fee will be calculated based on the date of official withdrawal in accordance with the Schedule of Tuition Liability of the State University of New York.

Technology Fee

Refunds of the Technology Fee will be calculated based on the date of official withdrawal in accordance with the Schedule of Tuition Liability of the State University of New York.

Transportation Fee

Refunds of the Transportation Fee will be calculated based on the date of official withdrawal in accordance with the Schedule of Tuition Liability of the State University of New York.

Other Fees

Except as specified above, fees are nonrefundable.

Financial Aid

The Office of Financial Aid, in addition to administering various federal/state financial aid programs, offers an extensive network of services to assist students in meeting the costs related to their education. Individual financial aid counseling, financial aid application workshops, debt-management counseling, scholarship opportunities and both on-campus and off-campus job opportunities are offered to students as a part of a comprehensive approach to assisting students in financing their college education.

Although the basic responsibilities for financing higher education rest with the students and their families, the Office of Financial Aid utilizes the maximum available federal/state aid resources to assemble a financial aid package that consists of grants, loans, scholarships and student employment opportunities for eligible students so that the burden on the students and their families will be minimal.

All financial aid at Old Westbury is administered without discrimination as to sex, race, color, religion, national or ethnic origin. Federal and state laws, regulations, guidelines and policies governing the administration of these programs are strictly followed.

Information in this section, although currently accurate, is subject to change as revisions in state and federal regulations occur and new legislation is passed.

Students are strongly encouraged to use this information in conjunction with individual communication with the Office of Financial Aid to be assured of all program requirements and updates.

Application Process

Students wishing to apply for any/all federal or state student financial assistance (grants, loans, scholarships and student employment opportunities) must complete all of the required applications by the suggested deadline of April 15th, as well as submit all necessary documentation to comply with regulatory requirements. Students/parents can meet privately with a financial aid professional who will review the application process step by step and collect all of the required documentation. Applicants can apply electronically at www.fafsa.gov. Contact the Office of Financial Aid for additional information.

Application Documentation

- Free Application for Federal Student Aid (F.A.F.S.A.)/Renewal Application; available at www.fafsa.gov.

In addition to the applications, students/parents might be required to submit additional documentation to the Office of Financial Aid prior to the determination of eligibility. All information is used strictly for the sole purpose of determining a student's eligibility for federal/state student financial assistance. The following items are examples of some of the additional documentation:

- A Verification Worksheet
- An IRS Tax Return Transcript
- Documentation of student/family previous year's benefits from public assistance, Social Security, unemployment assistance, or other programs;
- Documentation of non-tax filing status.

Application Process Overview

The Free Application for Federal Student Aid (FAFSA) will be processed through a federal formula developed by Congress. This formula, which is written in the law, allows analysis of the applicant's total family income and assets, as well as other important variables, and determines the student's eligibility for the Pell Grant. In addition to Pell eligibility determination, the formula provides an expected family contribution. This figure is used by the Office of Financial Aid, as required by law, to determine a student's need. Need, in this concept is derived by using the following formula:

Cost of Attendance

(minus) - Expected Family Contribution
(minus) - Outside Resources
(equals) = Financial Need

Students who demonstrate this financial need receive a financial aid "package" (referred to earlier), once they fulfill all the necessary requirements for being awarded federal/state student financial aid. Approximately two to three weeks after the FAFSA is submitted electronically, students will receive Student Aid Reports (SAR's) that must be checked for accuracy. At this point, the Office of Financial Aid will review students' applications, request additional documentation (if necessary), and upon completion, send an Award Letter to students advising them of the assistance they are eligible to receive. This Award Letter must be signed and returned to the Office of Financial Aid no later than ten days from the date of the letter. Accepted and registered students can view items requested and/or award offerings on-line utilizing my.oldwestbury.edu.

Responsibilities of Financial Aid Recipients

All financial aid recipients are expected to complete the application process **annually**, by the prescribed deadlines. Students must meet requirements for good academic standing and maintain normal academic progress toward a degree. Students are obligated to report changes of name and address, changes in dependency status and receipt of any additional scholarships or grants, loans or employment to the Office of Financial Aid. The College reserves the right to make adjustments in financial aid packages due to any changes in enrollment, residency, income discrepancy or financial circumstances. Students who do not meet the requirements for aid that has been awarded will be required to repay financial aid funds they have received. Students who withdraw from the College before the end of an academic term may be required to repay a portion of their financial aid.

Approximate Academic Year Costs*

Tuition (part-time: \$257.00/credit)-NYS residents	\$6,470.00	Books and supplies	\$1,000.00
Tuition (part-time \$659.00/credit)-Non-residents	\$16,320.00	Room (double occupancy)	\$7,000.00
College Fee (part-time: \$.85/credit)	\$25.00	Meal Plan, residents	\$3,390.00
Student Government Activity Fee (part-time: \$102.00)	\$175.00	Meals and personal expenses, commuters	\$3,080.00
Intercollegiate Athletic Fee (part-time: \$164.00)	\$328.00	Personal expenses, residents	\$1,210.00
Health Service Fee (part-time: \$9.50/credit)	\$220.00	Transportation/misc.: Residents	\$750.00
Technology fee (part-time: \$12.00/credit)	\$325.00	Commuters	\$2,000.00
Transportation fee (part-time: \$25.00/semester)	\$100.00		

**All charges/fees are subject to change without prior notice. See tuition/fee section for more specific cost information.*

Types of Student Financial Aid Available

SUNY Old Westbury participates in most federal and state financial aid programs. Students are urged to contact the Office of Financial Aid for specific information regarding these programs. The Office of Financial Aid also provides several publications to parents/students, such as:

- Financial Aid Brochures
- Financial Aid /The Student Guide/ USDE
- FAFSA ON THE WEB/USDE
- SUNY: How to Apply for Student Financial Aid/HESC
- SUNY: Your Student Loan/Your Rights and Responsibilities
- Old Westbury College Work Study and Off-Campus Employment Program
- SUNY: Your Student Loan/Paying Back

Federal Student Financial Aid

Applicants requesting federal assistance must meet the following minimum eligibility criteria:

- United States citizenship or non-citizen eligibility;
- Enrollment as a regular student in an eligible degree program;
- Documented "need" as described in the Application Process Overview above;
- Possession of a signed statement of Updated Information, Selective Service, Registration Status, Educational Purpose, and Refunds and Defaults;
- At least half-time enrollment for Federal Direct Loan eligibility.

Grants: Financial Aid That Need Not Be Repaid

Federal Pell Grant: applied for via the FAFSA, IFAA and SAR's (see Application Process).

Federal Supplemental Educational Opportunity Grant (FSEOG): applied for via the FAFSA, FAA and SAR's (see Application Process).

Loans: Financial Aid That Must Be Repaid

Federal Loans: financial aid that must be repaid with interest.

Federal Perkins Loan: (formerly National Direct Student Loan); low interest educational loans that assist students in meeting educational costs. Applied for via the FAFSA. Students are awarded based on financial need. An Electronic Master Promissory Note must be completed if awarded.

Federal Direct Loan: (formerly Federal Stafford Student Loan); subsidized and unsubsidized low interest educational loans that assist students in meeting educational costs. Must apply for via the FAFSA. Unsubsidized Federal Stafford Loans are available regardless of family income. If a student wishes to apply, a Loan Request Form and Entrance Counseling must be completed.

Federal Direct Parent Loans for Undergraduate Students (PLUS): low interest educational loans to assist parents of undergraduates in meeting students' educational costs. Applied for via a Pre-Qualification Application and Master Promissory Note in conjunction with a FAFSA.

Important Note: When students apply for a Federal loan, and/or Federal Perkins loan, they must sign an agreement to repay it. That agreement is called a Promissory Note. Students are urged to understand that these are legally binding contracts and the loans must be repaid even if they decide not to finish school. Any student who fails to repay the loan, will go into default and the school, the lender, New York State and the federal government will take legal action against the student to recover the money. The College feels that an education is the wisest and most important investment that an individual can make; however, before students take educational loans, the College urges them to see a financial aid professional to discuss their rights and responsibilities, and issues related to repayment, debt management and loan default.

Student Employment: employment, federally and non-federally funded, that allows students to work and earn money to help pay for school.

Federal College Work Study (FCWS): federally and state-funded program that allows eligible students to work in an area of interest. Applied for via the FAFSA.

Job Location and Development (JLD): federally and state-funded program that coordinates the search and placement of students in employment off campus, usually related to their field of interest. Applied for via a JLD application.

Anti-Drug Abuse Act Certification

A conviction for any offense, during a period of enrollment for which the student was receiving Title IV, HEA program funds, under any federal or state law involving the possession or sale of illegal drugs will result in the loss of eligibility for any Title IV, HEA grant, loan, or work-study assistance (HEA Sec. 484(r)(1); (20 U.S.C. 1091 (r)(1)).

New York State Student Financial Aid

In addition to the various federal student financial aid programs, New York State residents (United States citizens, permanent residents or refugees) can apply for various student financial assistance to help meet their costs of education. Students are urged to contact the Office of Financial Aid for specific information on these programs. Students must also be aware that, as is the case with federal student financial aid, state student financial aid has specific academic requirements for determination of eligibility. Students must meet **both** the *Pursuit and Progress Standards* set forth in this catalog and are reminded that they must repay any financial assistance that they receive if they are subsequently determined to be academically ineligible. **Failure to declare a major by the time students have earned 57 credits will result in loss of eligibility for state financial aid.**

Tuition Assistance Program (TAP): A non-repayable grant available to eligible New York State residents to assist students in meeting their cost of tuition. Applied for via a Free Application for Federal Student Aid (FAFSA) and ETAP Application. Students must be enrolled full-time (at least 12 credits per semester) and meet other criteria as indicated.

Aid for Part-time Study (APTS): A non-repayable grant available to eligible New York State residents who have not exhausted their TAP eligibility and are working toward a degree on a part-time basis (fewer than 12 credits per semester). Additional information is available in the Office of Financial Aid. Applied for via an APTS Application from the Office of Financial Aid in conjunction with an IFAA (see *Application Process*).

Part-Time TAP: A non-repayable grant available to eligible New York State residents who have not exhausted their tap eligibility and are working toward a degree on a part-time basis. Additional information is available in the Office of Financial Aid.

Educational Opportunity Program (EOP): A program designed to provide higher education opportunities for academically and economically disadvantaged students. Eligibility is determined jointly by the Admissions Office, the Financial Aid Office and the EOP Office. Applied for via the Admissions Office in conjunction with the FAFSA, FAA and SAR's (see *Application Process*).

Other State Student Financial Aid: in addition to the state programs listed above, students should also contact the Office of Financial Aid regarding specific aid programs such as

AmeriCorps Education Award	Are you a New York State resident interested in high quality opportunities in community service activities in exchange for an education award?
Child of Veteran	Students whose parent(s) served in the U.S. Armed Forces during specified periods of war or national emergency.
Flight 587 Memorial Scholarship en Español	This scholarship guarantees access to a college education for the families and financial dependents of victims of the crash of American Airlines flight 587 on Nov. 12, 2001.
Memorial Scholarship	Memorial Scholarships provide financial aid to children, spouses and financial dependents of deceased firefighters, volunteer firefighters, police officers, peace officers, and emergency medical service workers who have died as the result of injuries sustained in the line of duty in service to the State of New York. Student must establish eligibility by submitting a <i>Memorial Scholarship Supplement</i> , For study in New York State.
Military Service Recognition Scholarship (MSRS)	MSRS provides financial aid to children, spouses and financial dependents of members of the armed forces of the United States or state organized militia who, at any time on or after Aug. 2, 1990, while New York State residents, died or became severely and permanently disabled while engaged in hostilities or training for hostilities. Student must establish eligibility by submitting a <i>Military Service Recognition Scholarship Supplement</i> , For study in New York State.
NYS Scholarship for Academic Excellence	Scholarships for Academic Excellence provide up to \$1,500 per year for up to five years of undergraduate study in New York State.
New York Lottery Leaders of Tomorrow Scholarship	One student from every public and non-public school that applies will be awarded a scholarship. For study in New York State.
NYS Volunteer Recruitment Service Scholarship	New York State offers scholarships to volunteer fire and volunteer ambulance companies to use as a recruitment and retention incentive for new members. Scholarships are for study at local colleges or universities in New York State. Volunteer company officials may obtain applications by contacting the Scholarship Unit at 1 (888) 697-4372. Student should request the application from their company official.
Regents Health Care Opportunity	New York State Regents Health Care Opportunity Scholarships are awarded annually to students studying medicine or dentistry in New York State.
Regents Professional Opportunity Scholarship	Students pursuing a career in one of several professions may be eligible to apply for the New York State Regents Professional Opportunity Scholarships. For study in New York State.
Robert C. Byrd Honors Scholarship	This competitive federal honors program provides scholarships to academically talented high school seniors who are New York State residents and plan to attend any approved institution of higher education in the United States.
State Aid to Native Americans	Are you an enrolled member of a New York State tribe or the child of an enrolled member of a New York State tribe? You may be eligible for an award through the Aid to Native Americans Program. For study in New York State.
Veterans Tuition Awards	Vietnam, Persian Gulf, or Afghanistan veterans matriculated at an undergraduate or graduate degree-granting institution or in an approved vocational training program in New York State are eligible for awards for full or part-time study.
World Trade Center Memorial Scholarship	The World Trade Center Memorial Scholarship guarantees access to a college education for the families and financial dependents of innocent victims who died or were severely and permanently disabled as a result of the Sept. 11, 2001 terrorist attacks on the United States of America and rescue and recovery efforts.

Other Scholarships

The Office of Financial Aid posts scholarship offerings outside the office.

Disbursements

Financial aid funds for eligible recipients are disbursed by the Office of the Bursar usually before mid-semester.* (College Work Study checks are also disbursed by the Office of the Bursar every two weeks.) Therefore, it is strongly recommended that each financial aid recipient have \$400 to \$500 available (after the bill has been paid) to cover books and personal expenses, including transportation, until financial aid checks arrive.

*Federal Direct Loan and Direct Parent Loan checks will be reduced by the amount of an origination fee and an insurance fee.

Academic Standards for Continued Financial Aid Eligibility

All students are expected to maintain good academic standing and be making satisfactory progress at the College to receive financial aid.

New York State Awards

To be eligible for state aid, all students must fulfill the following conditions of pursuit and progress:

PURSUIT: • **Must complete the minimum number of credit hours listed in the appropriate semester:**

STATE AWARD SEMESTERS	MINIMUM CREDIT HOURS OR EQUATED CREDIT HOURS TO BE COMPLETED EACH SEMESTER
First & Second	6
Third & Fourth	9
Fifth & Beyond	12

Withdrawals (grades of W) are not considered course completions.

PROGRESS: State Award semesters¹

Standards for First-Time to College Students Who are First-Time TAP Recipients and Enter College During or After Fall 2006

Before being certified for this payment:	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th
A student must have accrued at least this many credits:	0	3	9	21	33	45	60	75	90	105
With at least this GPA:	0	1.1	1.2	1.3	2.0	2.0	2.0	2.0	2.0	2.0

Standards for Students Who Entered College Prior to Fall 2006

Before being certified for this payment:	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th
A student must have accrued at least this many credits:	0	3	9	18	30	45	60	75	90	105
With at least this GPA:	0	.5	.75	1.20	2.0	2.0	2.0	2.0	2.0	2.0

¹Refers only to semesters for which a student has received state aid.

Noncredit remedial instruction (equated credits) can be counted toward a full-time academic load, but the number of credits in this chart refers to work completed toward the degree.

Financial Aid Ineligibility Waiver Policy

Students who are notified that they have lost eligibility for state financial aid for failure to meet pursuit and/or progress standards outlined on the accompanying chart may request a waiver. Only one waiver may be granted during the student's entire undergraduate education. In addition, students who do not maintain a minimum semester grade point average of 2.00 ("C" average) beginning in their fifth TAP semester will lose eligibility for TAP as well as other state aid. A "C" average waiver may be granted if a student meets the following waiver application criteria.

Waiver applications will be considered by the Office of Academic Affairs if the student can document one of the following reasons for not having met minimum standards:

1. Illness or death in family
2. Personal illness
3. Personal problems
4. Financial problems
5. Family problems
6. Other extenuating circumstances (must be specified)

Waiver applications are available in the Office of Financial Aid. Completed applications must be accompanied by appropriate documentation, e.g., medical records, letters from community agencies or College officials.

Federal Awards

To be eligible for *Title IV federal aid* (Pell, FSEOG, CWSP, Perkins, Stafford), students must meet the College's criteria for good academic standing and maintain satisfactory progress toward a degree. The criteria for good academic standing and satisfactory progress toward a degree are outlined in this catalog in the *Academic Policies and Procedures* section under the heading *Academic Standing*. Students who fail to meet these criteria may, through the Academic Standing Committee, appeal for reinstatement to the College. If students are successful in their appeal for reinstatement, they must provide documentation to the Office of Financial Aid. All federal aid, except the Perkins loan, will be reinstated following a successful appeal. Students who are placed on probation are not eligible for a federal Perkins loan.

A particular course can count toward a degree only once. Students who repeat courses will be using up full-time equivalent semesters without a corresponding incremental increase in credit accumulation. Therefore, students who frequently repeat courses risk falling below the standard.

Students enrolled at the College must be making satisfactory progress before federal funds will be disbursed, whether or not aid was received for prior semesters. At the end of each semester, students are evaluated for financial aid eligibility for the following semester.

Transfer students are assumed to be in good academic standing and making satisfactory progress during their first semester at the College. They will be evaluated for aid eligibility after completion of their first semester at Old Westbury.

The academic records of readmitted students will be evaluated for financial aid eligibility based upon their previous academic performance.

Continued Financial Aid Eligibility for Part Time Students

Completion of courses and the number of earned credits is prorated accordingly for part-time students receiving Aid for Part-time Study and Vietnam Veteran's Tuition awards.

Financial Aid Procedures for Withdrawals

Depending upon individual circumstances and the date that they withdraw from SUNY Old Westbury, students need to be aware of financial implications and take appropriate action. Specific items students need to be concerned about are as follows:

College Refund Policy – Tuition, fees, room, and meal plan charges are assessed over time each semester. Reductions in charges, or refunds if appropriate, will be processed automatically by the College based upon the date the student officially withdraws from the College. Students should have an understanding of college refund policy as it pertains to their situation. SUNY Old Westbury's refund policy is printed in the Schedule of Classes each semester.

Federal Title IV Return of Federal Student Aid - Federal regulations require aid recipients to "earn" most of the aid they receive by staying enrolled in college at least half time. Students who withdraw prior to completing 60 percent of the semester for which they received federal student aid may be required to return some of the aid they were awarded. Federal regulation assumes that you used your Title IV student aid (e.g. Pell, Stafford or Perkins Loans) to pay your institutional charges – tuition, fees, residence hall room and board, and certain other institutional charges – whether you did or not. If you withdraw prior to completing 60 percent of the semester for which you were awarded aid, the unearned portion of that aid must be returned to the federal government.

The College at Old Westbury will restore to the appropriate federal fund source its required share of institutional charges that you have paid. If the amount returned by the College is not enough to repay the entire amount that you haven't "earned" by the length of your enrollment, you will be required to return portions of amounts that you received to pay for indirect expenses.

Amounts that must be returned to federal aid sources, whether by SUNY Old Westbury or by you, will first be applied to your federal loans. If you are entitled to a refund from SUNY Old Westbury of amounts you paid to cover institutional charges, any refund due you will first be applied to your obligation to return "unearned" aid before you receive money back.

This policy is based on 34 CFR, Section 668.22 of Title IV of the Higher Education Act of 1965, as amended. SUNY Old Westbury uses a recognized calculation procedure to abide by this regulation.

Official Withdrawals

Deferred aid is considered payment against charges and if sufficient, may hold courses which would otherwise be cancelled for nonpayment. You must formally withdraw if you do not plan to attend classes. Students must complete the official withdrawal process so as not to jeopardize their continued eligibility for financial aid.

- Student obtains Withdrawal Form from the Office of the Registrar, completes it, obtains appropriate signatures and returns it to Office of the Registrar.
- Students who have received federal loans must schedule an exit interview with the Office of Financial Aid. Perkins loan recipients must also schedule an exit interview with the Bursar.
- The Office of Financial Aid calculates indirect costs according to 34 CFR, Section 668.22 of Title IV of the Higher Education Act of 1965, as amended and a recognized calculation procedure.

Student Affairs

The central purpose of the Division of Student Affairs is to complement and enhance the academic mission of the College by developing and implementing diverse programs and activities that support the academic enterprise. As a catalyst in the student development process, Student Affairs addresses the various interpersonal and affective issues associated with learning inside and outside the classroom. Toward this end, the Division of Student Affairs provides a full spectrum of services aimed at enriching the student's total Old Westbury experience. The College encourages student participation in the greater campus community and promotes opportunities that enable students to grow personally, socially, physically and culturally.

The highly qualified and diverse Student Affairs staff helps students in achieving their personal and professional best by encouraging involvement in athletics, social and cultural activities, career exploration and leadership opportunities. Given the diversity at Old Westbury, the Division is committed to creating an environment in which students feel valued, respected, and appreciated. The goal of the Student Affairs staff is to inspire students to pursue activities both inside and outside of the classroom that will ensure their full and responsible participation in campus life and in the greater community.

Administered by the Vice President for Student Affairs, the Division of Student Affairs consists of the following units: Dean of Students, Athletics, Career Planning & Development, Center for Student Leadership & Involvement, Counseling & Psychological Wellness Services, Commuter Programs & Services, Student Conduct, Orientation & Special Events, Residential Life and Student Health Services. Many of these offices have scheduled evening hours and all offices will arrange evening appointments by request.

The Division of Student Affairs oversees and advises the Student Government Association and its recognized clubs and organizations. The Division is also responsible for administering the College's Code for Student Conduct which can be found in its entirety at www.oldwestbury.edu.)

Vice President for Student Affairs

The Vice President for Student Affairs provides executive-level leadership and vision in the administration of a comprehensive range of services, policies and procedures related to student affairs programming, planning and strategically-related functions. As a member of the President's senior leadership cabinet, the VPSA assists in creating a campus culture that promotes the academic achievement and personal development of all students, assists with crisis response and institutional initiatives, advocates on behalf of students; and fosters collaborative relationships among students, faculty, and staff. The Vice President for Student Affairs participates in all aspects of institution-wide planning in support of the College's mission and goals, including meeting the needs of a diverse student population and creating a learning environment where all students have the opportunity to succeed.

The Office of the Vice President for Student Affairs is located in Campus Center, Suite H-418. Tel: (516) 876-3175.

Dean of Students

The Dean of Students functions as a member of the College's senior management team. Reporting to the Vice President for Student Affairs, the Dean of Students seeks to facilitate the integration of the academic experience of students with all aspects of the College and student life. The Dean of Students facilitates interactions among students, faculty and staff to promote a campus climate which supports students' academic success and their personal and professional development. The Dean of Students works to educate the entire College community, including faculty and staff, about relevant policies and ways of responding to student-related matters. The Dean of Students serves as a point of reference for students who have concerns about their campus experience. The services and practice of the office are broadly characterized as advocacy, support, programming, and administration. The Dean of Students oversees Career Planning & Development, the Center for Student Leadership & Involvement, Commuter Programs & Services and Student Conduct, and works closely with the Vice President for Student Affairs in shaping and implementing the guidelines for the offices of Career Planning & Development, Counseling & Psychological Wellness Services, Residential Life and the Student Health Center.

The Office of the Dean of Students is located in the Student Union, Suite 303. Tel: (516) 876-3067.

Athletics

The goal of the Athletic Department is to provide students with the opportunity to compete successfully in NCAA Division III sports as an integral part of their educational experience. Through athletic competition, student-athletes will acquire personal achievement, social responsibility and academic excellence. Old Westbury's athletic teams include: baseball, softball, men's and women's basketball, men's and women's swimming, men's and women's cross country, men's and women's soccer, women's volleyball, men's golf and women's lacrosse. The close relationships, mentoring by excellent coaches and participation in athletic competition in our Skyline Athletic Conference is a character-building and enriching opportunity for our student-athletes.

The Athletic Department also seeks to establish a campus community characterized by physical wellness. The Clark Athletic Center includes a full array of free weights and fitness machines. Fitness classes such as zumba, ab workouts, etc, are offered every term. Additionally, the Athletic Department responds to student interest in intramural sports by sponsoring a variety of intramural sports competition opportunities.

Clark Center hours are very flexible, ensuring night and weekend availability for those who seek to use the recreation facilities to work out or to participate in intramural sports. For more information, call (516) 876-3241 or check us out on the Athletics website: <http://www.oldwestburypanthers.com>.

Student Health Services

The Student Health Center is located in Campus Center, I-Wing, first floor. Tel: (516) 876-3250. The primary function of Student Health Services is to maintain each student's health and promote healthful habits enabling Old Westbury students to achieve their academic and life goals.

All currently enrolled students (full-time/part-time, residents/commuters) are eligible to use the service. **Students under 18 years old must have parent/guardian consent on file.** The service provides diagnosis and treatment of common student health problems and referrals for problems requiring more specialized care. In addition, students are guided toward an understanding of the role they play in determining their own health and how they can attain a high level of well-being.

It is recommended that all accepted students submit a record of a medical examination and a health history prior to attendance. These records provide the Student Health Service with the information needed in planning to meet the health care needs of individual students and the campus community as a whole.

The New York State Public Health Law (Section 2165) requires all enrolled college students to comply with laws regarding meningitis, measles, mumps, and rubella. (For more information, see the section on Public Health Law in this catalog under Laws, Policies, and Regulations Governing Campus Life.)

The SUNY Board of Trustees requires that all students partially fund, through a health fee, the campus Student Health Service. A Student Health Advisory Committee composed of students, faculty, and staff members acts in an advisory capacity and makes recommendations to the President regarding improvements or changes in the programs, policies, and procedures. When the College is in session, Student Health Services generally has a nurse in attendance five days a week. Physicians, nurses, and nurse practitioners are available Monday through Friday to provide primary care in the event of illness or injury. **Schedules are available upon request and are subject to change.** Students who must be referred to off-campus facilities such as hospitals, medical specialists, and laboratories are responsible for any charges incurred. Gynecological counseling and basic care is also available.

Additional health and dental plans are available to students. Students who have no other coverage are urged to purchase membership. International students are advised to contact the College's International Student Advisor, located in the Office of Enrollment Services, for information about mandatory health insurance coverage (see also the *Tuition and Fee Information* section of this catalog).

The Student Health Service also offers screening for various illnesses. Students may call (516) 876-3250 for further information. **Confidentiality:** Medical records are not released without the student's permission except as required by law.

Career Planning & Development

Career Planning & Development serves to educate and promote professional growth and skill development. Through one-on-one counseling, participation in educational, informational and recruiting events and the utilization of career related resources, students will gain an understanding of their career goals.

Individual Career Counseling: Career counselors are available to see students one-on-one in order to discuss and explore concerns regarding a student's major and career options, graduate school advisement, job search or other topics related to career matters.

Career Assessments: If you are confused or uncertain about the major you would like to declare, a career counselor will meet with you and, if necessary, will administer a career assessment. Assessments point out an individual's skills, interests and personality type in relation to various occupations.

Workshops: Throughout the semester, career workshops are offered in order to provide students with essential tips and advice needed as they transition from student to budding professional. The Backpack to Briefcase series includes resume and cover letter writing, interview preparation and skills, business etiquette and networking. Other workshops include job search strategies and professional dress.

Career Planning & Development Events: During the academic year, there are several events that take place, including the Fall Graduate School Preparation Program, the Spring Career Fair, employer information sessions, guest speaker workshop and recruitment events.

Resources: There are a variety of resources available when you visit the Office of Career Planning & Development. In our Career Center, you will find career exploration books, brochures pertaining to graduate school admission and testing as well as employment, volunteer and internship postings. There are additional computer work stations in the Career Center for students to work on their resumes and other career related projects or research.

The Center for Career Planning & Development is located in the Student Union, Suite 301. Tel: (516) 876-3158.

Center for Student Leadership & Involvement (CSLI)

The Center for Student Leadership and Involvement (CSLI) is the central hub for all of SUNY College at Old Westbury's student clubs and organizations. There are over 60 clubs and organizations to choose from such as Student

Government Association (SGA), Active Minds, Haitian Student Organization, UNICEF and many more. CSLI is also home to leadership development and the new leadership certificate program, LEAD. CSLI provides an enriched and quality experience for all of our students while helping to develop strong leaders that will take this experience and translate it to their future careers.

Student Clubs/Organizations: Student led clubs are the heart of the Center for Student Leadership and Involvement. We welcome over 50 student clubs - both returning and newly created - each year. Ranging from academic, cultural, spiritual, and many other groups, there is certainly something for everyone! Students are encouraged to join various clubs as well as take on leadership roles to learn more about facilitating group dynamics, conducting meetings, and many other "real world" applicable skills and experience.

Fraternity/Sorority Life (FSL): Our fraternities and sororities pride themselves on making the Old Westbury community flourish by striving for excellence through academic achievement, leadership development, philanthropic and community service, and programming. Fraternity and Sorority Life at Old Westbury is governed by the GPC (Greek Presidents Council) which consists of an executive board of organization members of the Greek community.

Student Government Association (SGA): The SUNY College at Old Westbury Student Government Association is a student-run representative body for the College. Composed of the Student Senate, Student Court and Executive Board, this organization exists to advocate for the needs of the students in their academic pursuits, professional development and social outlets. Students are strongly encouraged to meet their academic senator and their class representative to learn more about what SGA can do to enhance their experience at SUNY Old Westbury.

The Center for Student Leadership & Involvement is located in the Student Union, Suite 309. Tel: (516) 876-6975.

Commuter Programs & Services

Commuter Programs & Services (CPS) is dedicated to enriching the experience of commuter students at SUNY College at Old Westbury by acting as a resource for commuter students on the opportunities and services available to them, as well as advocating for their unique needs and challenges. Programming is provided to enhance the knowledge and experience of commuter students, on and off campus, while encouraging co-curricular involvement and leadership.

The office offers leadership opportunities that include Commuter Assistants, the Commuter Student Organization, and the Commuter Advisory Board. In addition to these opportunities, Commuter Appreciation Week, a week of various events and off campus trips, occurs once a semester. Additionally, the CPS office allows access to mass transit schedules, leadership opportunities, lounging areas, and a microwave.

Commuter Programs & Services is located in the Student Union, Suite 309. Tel: (516) 876-3079.

Counseling & Psychological Wellness Services

Counseling and Psychological Wellness Services supports the academic mission of the College in educating the whole student by promoting the psychological and emotional well-being of individuals and the campus community in provision of high quality counseling, consultation and crisis intervention services. Direct services offered include individual, group and couples counseling and psychotherapy, family counseling, and psychiatry services for a wide range of mental health and personal concerns. Our confidential services are free of charge and are provided in a safe environment where students may explore emotional, developmental and psychological factors that affect their mental wellness, personal happiness and academic achievement. Counseling and Psychological Wellness Services takes a flexible, individualized approach to addressing each student's needs. Counselors assist students in developing the healthy minds and skills necessary for optimal growth, achievement and quality of life. All students are treated with respect and are seen as individuals with unique strengths.

Crisis intervention: In situations of psychological emergency during regular business hours (9:00-5:00 Mon.-Fri), our skilled, licensed counselors will provide immediate crisis intervention support, assessment and management. In the event of an after-hours emergency on campus, students should immediately call University Police at (516) 876-3333. In the event of an after hours emergency off campus, students should call 911 or go to the nearest emergency room for assistance.

Consultation and Outreach: These services include planning and presenting psycho-educational and wellness programs in collaboration with the campus Wellness Committee, consulting with resident and commuter groups and organizations, and co-sponsoring programs with other departments on campus. Consultations are available for faculty, staff or administrators to address a range of issues including awareness of services available at our center, how to recognize students who need help, employing strategies for helping connect a student with counseling services or other support services. Counseling center staffers are available to consult with concerned family members, friends or roommates of students experiencing emotional distress.

The Office of Counseling & Psychological Wellness Services is located in the Student Union, Lower Level. Tel: (516) 876-3053.

Orientation & Special Events

The Old Westbury Orientation Office strives to provide programs that will ease the transition of our first year (freshman) and transfer student populations, as well as their families. In an effort to ensure a seamless integration into our campus community, our programs are designed to educate our students and their families about:

- Services offered to all Old Westbury students.
- Academic life and expectations.
- University policies and procedures.

Students who attend New Student Orientation and Transfer Orientation are more apt to do well academically and persist to graduation.

The Orientation Office is located in the Student Union, Suite 303. Tel: (516) 628-5022.

Residential Life

The Office of Residential Life houses approximately 1,050 residents on campus. The Residence Halls offer varied housing options in two (2) distinct communities. The Woodlands Halls house first year and upper class students, Freshman Honors Program, a 24 hour quiet residence hall and Career Development Hall. The Academic Village Halls (suite style) are designed for our upper-class residents only.

The residence halls are a place where the students transform their living environment: they study, make friends, hang out, celebrate each other and much more. In addition, there are trained Resident Assistants (RA's) supervised by Master's level Residence Hall Directors (RHD's), whose job is to provide our students with information, support and advice. The RA staff works to provide educational and social activities through which students are able to meet new people and to create a sense of community. The residence halls afford students the opportunity to grow both personally and academically.

The Office of Residential Life is located in the Campus Center, Room K100. Tel: (516) 876-3210.

Additionally, there are six community offices with one located in each hall, along with the Residence Hall Directors' offices. These offices are staffed (staffing schedule is posted at each individual office) Monday through Friday 9:00 am through 8:00 pm. Resident Assistants are available in their hall duty offices between 8:00 pm and 10 pm, Friday through Wednesday, and between 12:00 am and 3:00 am on Thursday. The hall duty offices are also staffed by Desk Attendants between 10 pm and 2 am, Friday through Wednesday and between 10 pm and 3 am on Thursday.

*To be eligible for campus housing, a student must be enrolled full-time (at least 12 credit hours), and maintain a cumulative GPA of at least 2.0.

Student Conduct

All SUNY Old Westbury students commit to upholding community values defined in the *Code for Student Conduct*. The Office of Student Conduct promotes personal responsibility and integrity throughout the student conduct process. As an integral part of the educational mission of Student Affairs, the office practices and remains committed to an educational approach when working with our student community. College students make good decisions and on occasion may make a poor decision or two. A collaborative environment exists whereby students have an opportunity to be accountable for personal choices, learn from those poor decisions, move forward, and continue their education as a productive member of the College community.

Housed within the Office of Student Conduct, Holistic Student Development Services provides assistance for students who may struggle personally or academically during their time on campus. Our services assess and treat mandated students regarding drug and alcohol usage, anger management and conflict resolution. Additionally, we provide assistance in the area of identifying housing and other services for homeless students that reside within New York City, Nassau and Suffolk Counties. A staff of graduate interns and trained student Peer Educators assist with the planning and facilitation of health education programs, and facilitation of drug and alcohol programming and awareness.

The Office for Student Conduct is located in the Student Union, Suite 303. Tel: (516) 876-3067.

Laws, Policies and Regulations

Governing Campus Life

University Police Department (UPD)

The quality of life on campus is critical to achieving quality education.

- The goal of the campus community is academic achievement. To realize that goal there must be a safe, secure and attractive environment with a positive social atmosphere.
- The goals and functions of the University Police Department (UPD) are service to the community, protection of life and property, prevention of crime, resolution of conflict, and enforcement of state and local laws, all of which are geared to help provide a positive social atmosphere.

As part of the academic community and charged with the responsibility of maintaining an atmosphere conducive to education, the University Police Department (UPD) strives to combine "law and order" with harmony and humaneness.

"Public education" and "community relations" are as important as "service and protection." Here at SUNY Old Westbury, we stress that all officers be aware of and appreciate the uniqueness of the College, and the diverse community that it serves.

- The UPD Headquarters building is located in the Northern area of the Student Union parking lot.

Identification (I.D.) Cards

- A valid College I.D. card is the official SUNY Old Westbury identification for all students, faculty, staff and other employees. It must be carried at all times when on the campus of SUNY Old Westbury. It is non-transferable and must be presented, on request, to all College officials and University Police Department (UPD) officers. It must be shown when requesting services of College Notaries Public, for entry into student activities, recreation areas, athletic contests, residence halls and when seeking access to SUNY property.
- Students are entitled to one free I.D. card during their first semester only. Any student failing to obtain an I.D. card during his or her first semester will be required to pay a fee of \$10.00 for the card after the first semester.
- The College I.D. card is void upon termination, interruption of enrollment, at the end of contract obligation to the College or separation from College service, and must be surrendered to the University Police Department (UPD) as part of the exit procedure for both permanent and temporary personnel.
- Lost cards should be reported immediately to the University Police Department (UPD). A replacement fee of \$10.00 is required for all lost or damaged College I.D. cards. The fee is to be paid at the Bursar's Office, a receipt obtained and presented to the University Police Department (UPD) prior to the issuance of a replacement card.
- A \$10.00 fee is also required for all non-returned I.D. cards. The fee is to be paid at the Bursar's Office, a receipt obtained and presented to the Personnel Office prior to the release of an employee's final pay-check.
- College ID cards are available in Room H-140 in the Campus Center.

Vehicle Registration (Parking Permits)

All vehicles routinely parked on campus must display a registration decal. The decal can be purchased online at a location identified on the College's website. If a vehicle with a pass is being repaired, a temporary pass may be obtained at the University Police Department (UPD). All vehicles utilized on campus must be properly registered, inspected, and insured pursuant to the vehicle and traffic laws of New York State.

The University Police Department (UPD) acknowledges and honors all handicapped parking permits issued by governmental authorities. The department issues only 14-day temporary handicapped permits to employees. Students and staff requiring temporary handicapped permits must report to the Student Health Service located in the Campus Center for approval by that office. Members of the college community who feel they require full-time handicapped parking should contact the Office of the Physically Challenged in their local community. Check the blue pages in your telephone directory for the number.

College Campus Safety Report

Each year SUNY Old Westbury prepares a College Annual Security and Fire Report that addresses issues of safety and security at the College. This annual report includes crime reporting, drug and alcohol policies, daily crime log, crime prevention, disciplinary process, resident hall security, sexual assault and harassment policies, victim's rights, crime identification, campus crime statistics, fire safety and other topics pertaining to campus safety. The document is available by October 1 of each year in hard copy at University Police Headquarters and from many

other offices throughout the campus. It can also be accessed through the College's Web Site at www.oldwestbury.edu, by going to the home page, clicking on Student Life - go to Services and click on University Police and then click on Safety Reports.

Campus Codes and Policies

Code for Student Conduct

SUNY Old Westbury expects that all students will conduct themselves lawfully, maturely, and responsibly. The College's Code for Student Conduct is intended to protect the rights, personal security, and property of individuals and groups within the College community as well as the College community as a whole. Further, its intent is to restrain behavior which is detrimental to learning or contrary to the goals of the College. The Code of Student Conduct informs members of the College community of the conduct expected, prohibited conduct, disciplinary procedures and sanctions applicable for violations of this Code. The Code for Student Conduct may be found in its entirety at www.oldwestbury.edu. This Code is applicable to all students of the College. Students of the College are those who are registered for classes. In addition to this Code, there are specific rules and regulations for resident students which can be found in the Guide to Campus Living.

Drug & Alcohol Policy

The consumption and/or possession of drugs and alcohol are prohibited at SUNY Old Westbury. Procedures and sanctions for violation of this policy will be in accordance with The Code for Student Conduct, which can be found in its entirety at www.oldwestbury.edu.

Bias/Hate Crimes on Campus

It is a State University of New York at Old Westbury University Police mandate to protect all members of the College at Old Westbury community by preventing and prosecuting bias or hate crimes that occur within the campus's jurisdiction.

Hate crimes, also called bias crimes or bias-related crimes, are criminal activities motivated by the perpetrator's bias or attitude against an individual victim or group based on perceived or actual personal characteristics such as race, religion, ethnicity, gender, sexual orientation, or disability. Hate based crimes have received renewed attention in recent years, particularly since the passage of the **Federal Hate/Bias Crime Reporting Act of 1990** and the **New York Hate Crimes Act of 2000 (Penal Law Article 485)**. Copies of the law are available in the Office of the University Police at the college.

Committee on Animal Experimentation

The College has an Institutional Animal Care and Use Committee (IACUC) whose function is to ensure animal welfare. Thus, experimentation involving animals must be approved by this group.

Committee membership is consistent with state and federal guidelines.

Acceptable Use of College Technology Resources

This policy is applicable to all persons accessing College-based electronic information and services and/ or using College computing facilities, and networks. Users of College Technology Resources must comply with federal and state laws, College rules and policies, and the terms of applicable contracts including software licenses.

The Acceptable Use of College Technology Resources details the various measures the College employs to protect the security of its computing resources and its user's accounts; outlines the restrictions and prohibitions that are, or may, be put in place to ensure the capacity and security of College resources; and details the methods of enforcement that are applied in those instances where users violate the policy.

The policy is available on the campus website, www.oldwestbury.edu, and upon request from the ITS division. All campus users should review the policy in its entirety.

Email as Official Means of Communication

The College provides students with an email account upon the student's matriculation to the institution. This account is free of charge and is active as long as the student is actively pursuing a degree at the College. A College-assigned student email account is the College's official means of communication with all students. The College has established these accounts with the full expectation that students will receive, read and respond (as necessary) timely to emails. Students are responsible for all information sent to them via their College-assigned email account. Students who choose to have their email forwarded to a private (unofficial) email address outside the official College network address, do so at their own risk.

Institutional Review Board

The Institutional Review Board (IRB) is the College's federally registered body that monitors and approves research involving human subjects. The mission of the IRB is to facilitate ethical research involving human subjects, and has final authority on whether activities are exempt from IRB review, eligible for expedited review, require full IRB review, require modification, are approved or disapproved. Any member of the Old Westbury community who is conducting research involving human subjects must obtain IRB approval before beginning the activity; IRB approval is also necessary for any research activity that uses Old Westbury students as research subjects, regardless of researcher affiliation. Please note: retroactive approval is prohibited by Health and Human Services federal regulations.

Visit the IRB web pages (<http://www.oldwestbury.edu/irb>) for more information and for application materials. IRB Chair: Dr. Rahwa Haile (hailef@oldwestbury.edu)

Consent to Use of Images for Publicity/Promotional Uses

Registration as a student and attendance at or participation in classes and other campus and College activities constitutes an agreement by the student to the College's use and distribution (both now and in the future) of the student's image or voice in photographs, videotapes, online and social media, electronic reproductions, or audiotapes of such classes and other campus and College activities. Questions related to this policy should be directed to the Office of Public and Media Relations. This statement reflects the complete College policy on this subject.

Non-Discrimination / Anti-Harassment Policy

SUNY Old Westbury is committed to an educational and employment environment in which all individuals are treated with respect and dignity. Each individual has the right to work or study in a professional atmosphere that promotes equal treatment and prohibits discriminatory practices, including harassment. Therefore, the College expects that all relationships among persons at the College will be professional and free of bias, prejudice and harassment.

It is the policy of the College to ensure equal treatment without discrimination or harassment on the basis of race, color, national origin, religion, sex, age, disability, citizenship, marital status, sexual orientation or any other characteristic protected by law. The College prohibits and will not tolerate any such discrimination or harassment.

Definitions of Harassment

1. **Sexual harassment** constitutes discrimination and is illegal under federal, state and local laws. For the purposes of this policy, sexual harassment is defined, as in the Equal Employment Opportunity Commission Guidelines, as unwelcome sexual advances, requests for sexual favors and other verbal or physical conduct of a sexual nature when, for example: (1) submission to such conduct is made either explicitly or implicitly a term or condition of an individual's employment or academic treatment; (2) submission to or rejection of such conduct by an individual is used as the basis for employment or academic decisions affecting such individual; or (3) such conduct has the purpose or effect of unreasonably interfering with an individual's work or study performance or creating an intimidating, hostile or offensive working or learning environment.

Sexual harassment may include a range of subtle and not so subtle behaviors and may involve individuals of the same or different gender. Depending on the circumstances, these behaviors may include, but are not limited to: unwanted sexual advances or requests for sexual favors; sexual jokes and innuendo; verbal abuse of a sexual nature; commentary about an individual's body, sexual prowess or sexual deficiencies; leering, catcalls or touching; insulting or obscene comments or gestures; display or circulation on the campus of sexually suggestive objects or pictures (including through e-mail); and other physical, verbal or visual conduct of a sexual nature.

2. **Harassment** on the basis of any other protected characteristic is also strictly prohibited. Under this policy, harassment is verbal or physical conduct that denigrates or shows hostility or aversion toward an individual because of his/her race, color, religion, sex, national origin, age, disability, citizenship, sexual orientation, marital status or any other characteristic protected by law or that of his/her relatives, friends or associates, and that: (1) has the purpose or effect of creating an intimidating, hostile or offensive work or study environment; (2) has the purpose or effect of unreasonably interfering with an individual's work or study performance; or (3) otherwise adversely affects an individual's employment or learning opportunities.

Harassing conduct includes, but is not limited to: epithets, slurs or negative stereotyping; threatening, intimidating or hostile acts; denigrating jokes and display or circulation on the campus of written or graphic material that denigrates or shows hostility or aversion toward an individual or group (including through e-mail).

Individuals and Conduct Covered

These policies apply to all applicants, employees and students, and prohibit harassment, discrimination and retaliation with respect to employment, programs or activities at the College, whether engaged in by fellow employees, supervisors or managers, faculty members or students or by someone not directly connected to the College (e.g., an outside vendor, consultant or customer).

Conduct prohibited by these policies is unacceptable in the workplace/classroom and in any college-related setting outside the workplace/classroom, such as during business (college) trips, business (college) meetings and business (college)-related social events.

Retaliation is Prohibited

The College prohibits retaliation against any individual who reports discrimination or harassment or participates in an investigation of such reports. Retaliation against an individual for reporting harassment or discrimination or for participating in an investigation of a claim of harassment or discrimination is a serious violation of this policy and, like harassment or discrimination itself, will be the subject of disciplinary action.

COMPLAINT PROCEDURE

Reporting an Incident of Harassment, Discrimination or Retaliation

The College strongly urges the reporting of all incidents of discrimination, harassment or retaliation, regardless of the offender's identity or position. Individuals who believe they have experienced conduct that they believe is contrary to the College's policy or who have concerns about such matters should file their complaints with the College's Affirmative Action Officer/Title IX Coordinator, Assistant to the President for Administration or the College President or any member of supervision or faculty member the individual feels comfortable with who is then obligated to report the complaint to the Affirmative Action Officer/Title IX Coordinator, Assistant to the President for Administration, or the College President. Individuals should not feel obligated to file their complaints with their immediate supervisor — or a member of supervision — before bringing the matter to the attention of one of the other of the College's designated representatives above. Individuals who have experienced conduct they believe is contrary to this policy have a legal obligation to take advantage of this complaint procedure. An individual's failure to fulfill this obligation could affect his or her right to pursue legal action.

Early reporting and intervention have proven to be the most effective method of resolving actual or perceived incidents of harassment, discrimination or retaliation. The College strongly urges the prompt reporting of complaints or concerns so that rapid and constructive action can be taken.

The availability of this complaint procedure does not preclude individuals who believe they are being subjected to harassing conduct from promptly advising the offender that his or her behavior is unwelcome and requesting that it be discontinued.

The Investigation

Any reported allegations of harassment, discrimination or retaliation will be investigated promptly. The investigation may include individual interviews with the parties involved and, where necessary, with individuals who may have observed the alleged conduct or may have other relevant knowledge. Confidentiality will be maintained throughout the investigatory process to the extent consistent with adequate investigation and appropriate corrective action.

Responsive Action

Misconduct constituting harassment, discrimination or retaliation will be dealt with appropriately. Individuals who have questions or concerns about these policies should talk with the College's Affirmative Action Officer/Title IX Coordinator.

Finally, these policies should not, and may not, be used as a basis for excluding or separating individuals of a particular gender, or any other protected characteristic, from participating in business, academic or work-related social activities or discussions in order to avoid allegations of harassment. The law and the policies of the College prohibit disparate treatment on the basis of sex or any other protected characteristic, with regard to terms, conditions, privileges and perquisites of employment/ education. The prohibitions against harassment, discrimination and retaliation are intended to complement and further these policies, not to form the basis of an exception to them.

CONTACT INFORMATION:

<u>Department</u>	<u>Telephone #</u>	<u>Location</u>
Office of the President	(516) 876-3160	Campus Center, Rm. H-400
Office of Affirmative Action/Title IX Coordinator	(516) 876-3179	Campus Center, Rm. I-211
Office of the Assistant to The President for Administration	(516) 876-3179	Campus Center, Rm. I-211

Mailing Address: State University of New York College at Old Westbury, P.O. Box 210, Old Westbury, New York 11568-0210.

Federal and State Regulations

The Rules and Regulations for Maintenance of Public Order

The Rules and Regulations for Maintenance of Public Order of State Operated Institutions of the State University of New York were adopted by the SUNY Board of Trustees in compliance with the Educational Law of the State. These rules are applicable to all institutions of the State University system and take precedence over any local codes adopted by the individual colleges and universities in the SUNY system. These rules can be found in their entirety at www.oldwestbury.edu.

Education Law

224 a. Students unable because of religious beliefs to attend classes on certain days.

1. No person shall be expelled from or be refused admission as a student to an institution of higher education for the reason that s/he is unable, because of religious beliefs, to attend classes or to participate in any examination, study or work requirements on a particular day or days.
2. Any student in an institution of higher education who is unable, because of religious beliefs, to attend classes on a particular day or days shall, because of such absence on the particular day or days, be excused from any examination or any study or work requirements.
3. It shall be the responsibility of the faculty and of the administrative officials of each institution of higher education to make available to each student who is absent from school because of religious beliefs, an equivalent opportunity to make up any examinations, study or work requirements which s/he may have missed because of such absence on any particular day or days. No fees of any kind shall be charged by the institution for making available to the said student such equivalent opportunity.
4. If classes, examinations, study or work requirements are held on Friday after four o'clock post meridian or on Saturday, similar or makeup classes, examinations, study or work requirements shall be made available on other days, where it is possible and practical to do so. No special fees shall be charged to the student for these classes, examinations, study or work requirements held on other days.
5. In effectuating the provisions of this section, it shall be the duty of the faculty and of the administrative officials of each institution of higher education to exercise the fullest measure of good faith. No adverse or prejudicial effects shall result to any student because of her/his availing herself/himself of the provisions of this section.
6. Any student who is aggrieved by the alleged failure of any faculty or administrative officials to comply in good faith with the provisions of this section shall be entitled to maintain an action or proceeding in the supreme court of the county in which such institution of higher education is located for the enforcement of her/his rights under this section.

Facilities Access for Persons with Disabilities

In accordance with federal and state laws, the College is continually modifying its facilities to provide access for disabled persons. To appropriately serve handicapped persons in areas as yet unmodified, College policy is to "reach out" with services and staff in an effort to accommodate specific needs. Students needing special services are encouraged to contact the Coordinator of Services for Students with Disabilities, New Academic Building, Room 2064. at (516) 876-3009 (also see section on Services for *Students with Disabilities* under *Academic Support Services*).

Family Educational Rights and Privacy Act of 1974 (FERPA)

Access to Student Records

The College's policy follows the spirit and letter of all federal and state laws concerning access to student records. Within certain statutory limitations, students, upon reasonable notice, may review their "education records" containing information directly related to themselves. Students will be afforded an opportunity to challenge the accuracy of factual information in their records.

In the event a student challenges a record, the student will be offered a hearing by a College official who has no personal involvement in the matter challenged and shall receive a decision in writing within a reasonable time (not more than 45 days) after the conclusion of the hearing. Should the student fail to appear at the hearing or request an adjourned hearing date prior to the date set for the hearing, a decision shall be issued based on the facts available.

Students wishing to inspect their records shall direct their requests to the office responsible for those records.

Student information, other than directory information¹, will not be released to a third party without the notarized consent of the student to the office housing the requested records, with the following exceptions:

- The College will cooperate with all legal authorities in every way appropriate, in accordance with all federal and state laws. The office receiving a request for such cooperation shall immediately seek approval for the release of the requested information from the Records Access Officer.
- The University discloses education records without a student's prior written consent under the Family Educational Rights and Privacy Act of 1974 FERPA exception for disclosure to school officials with legitimate educational interests. A school official is a person employed by the University in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff or a person or company with whom the University has contracted as its agent to provide a service instead of using University employees or officials); a person serving on the Board of Trustees; SUNY System Administration employees or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibilities for the University.

Although the following are part of the educational record, students do not have access to:

- Letters or statements of recommendation submitted in confidence for school records prior to January 1, 1975, provided these records are not used by the school for other than the original intended purpose.
- Financial records of the parents of the students or any information directly related to the parents' financial status. Problems or issues concerning access to students' records, should be directed to the Registrar, Campus Center, Room I-102. The Family Educational Rights and Privacy Act is available for review on the WEB at www.ed.gov/policy/gen/guid/fpco/ferpa/index.html.

Public Health Law

Public Health Law (Article 21, Title VI, Section 2165) requires measles, mumps and rubella immunity for students attending colleges and universities in New York State. All registered students must address meningitis by declination or proof of vaccination within the past ten (10) years.

Students born on or after January 1, 1957, who plan to register for at least six semester hours will be required to provide proof of immunity against measles, mumps and rubella in accordance with standards approved by the New York State Department of Health.*

Limited exceptions are granted for students who hold "genuine and sincere religious beliefs" that are contrary to immunization, and for students for whom immunization would be physically detrimental or otherwise medically contra-indicated. Although students enrolled for fewer than six semester hours are exempt from these requirements, immunization is strongly encouraged by public health officials.

When the college is required to exclude a student from campus either because of noncompliance with the stated immunity requirements (or in the case of an epidemic when medically and religiously exempt students will be similarly excluded), the College will not be responsible for any effect on the excluded student's academic progress, and the student will incur tuition and, if applicable, room and board liability as stated in the SUNY Guidelines. Copies of the College's immunization policy and procedures are available in The Student Health Center which is located in the Campus Center, I-Wing, first floor.

* New York State Standards: Proof of immunity to measles will be defined as two doses of measles vaccine on or after the first birthday and at least 28 days apart (preferably three months), physician-documented history of disease, or serologic evidence of immunity. Proof of rubella immunity is documented by one dose of rubella vaccine on or after the first birthday or serologic evidence of immunity. Proof of mumps immunity is documented by one dose of mumps vaccine on or after the first birthday, a physician-documented history of disease, or serologic evidence of immunity.

Records of immunizations should include the date the vaccine was administered, type, manufacturer and lot number of vaccine and signature of persons administering the vaccine e stamped with their address and title.

¹ "Directory information" includes information relating to a student's name, address, e-mail address, date and place of birth, major field study, dates of attendance, honors designation and earned degrees. The parent of a dependent student or an eligible student who wishes to restrict access to "directory information" with respect to that student must inform the Office of the Registrar in writing, within 15 days after the start of each semester.

Academic Policies and Procedures

Degree Requirements

To qualify for a bachelor's degree, students must:

1. Complete General Education requirements, through which students demonstrate, among other competencies, mastery of American English language skills;
2. Demonstrate mastery of computational skills;
3. Meet residency requirements;
4. Complete 45 credits in courses at or above the 3000 level;
5. Complete a minimum of 120 credits with a cumulative grade-point average (GPA) of 2.0;
6. Fulfill their major department's course, credit and GPA requirements. (Some departments require more than 120 credits and a higher GPA in the major.)

These requirements are described in the sections below.

Mastery of American English Language Skills

Recognizing the critical role of American English language skills in an undergraduate education, SUNY Old Westbury has placed its English language requirement at the center of its General Education Program requirements. All students must demonstrate proficiency in English composition in order to **graduate** from the College. Students should consult the *General Education Program* section of this catalog for detailed information regarding these requirements.

In order to register for most upper-division courses, all students must demonstrate mastery of American English language skills by completing two college-level English Composition courses (EC I and EC II or their transfer equivalents) with grades of C or better.

Placement Levels

To determine the level of American English language mastery, the College requires incoming students (excluding associate degree holders and transfers with more than 57 credits) to take the Writing Diagnostic Exam (WDE).

Placements on the WDE are used to advise and register students into appropriate courses of study that will help them attain the required level of mastery. This examination is not an admissions test; students are admitted before taking this examination.

Contact Dean Hillery

Proficiency in Mathematics

For students at the College, Math Proficiency may be satisfied by completing MA1020 College Algebra, MA2000 Applied Statistics, or MA2050 Quantitative Decision Making with a grade of C or better.

Students who transfer in a course equivalent to one of the above, or a statistics course, with a grade of C or better will be proficient (but not eligible to take Precalculus if the course is Statistics or Quantitative Decision Making).

Students graduating from High School who have scored 85 or above on Algebra2/Trig Regents exam (or equivalent) will be proficient, but not necessarily eligible to register for courses above College Algebra MA1020.

Students who score a grade of 3 or better on an AP exam are proficient. (For AP exams in Calculus AB or BC, students who score 3 or better may go into Calculus II.

Placement Above Proficiency

Students move into courses above proficiency based on the College placement exam or Algebra2/Trig Regents exam, or by getting a grade of C in the lower course. Students should consult the Mathematics/CIS Department for detailed information about the course prerequisites.

Academic Policies and Standards

To be eligible for graduation, all candidates must satisfy all College and departmental requirements for the specific degree. Students must complete a minimum of 120 credits of satisfactory work. Some departmental requirements exceed this number. Forty-five of these credits must be earned in course work above the survey and the introductory levels (at or above the 3000 level). To fulfill graduation requirements, students must have at least a 2.0 cumulative grade point average (GPA) for all work completed at the College.

Residency Requirement

To earn a degree from SUNY Old Westbury, students are required to fulfill the residency requirement. This requirement can be fulfilled by completing one of the following:

1. A student must earn a minimum of 40* credits at Old Westbury and attend Old Westbury for at least 3 academic semesters (spring or fall) on a full-time or part-time basis;
OR
2. A student must earn a minimum of 40* credits at Old Westbury and attend Old Westbury for at least 2 academic semesters (spring or fall) **and** complete a minimum of 12 of the required 40* credits during summer sessions at Old Westbury.

Requests for exception to the residency requirement may be submitted to the Academic Policy Committee. Students who choose the second option to fulfill their residency requirement will, under no circumstances, be permitted a waiver of the 40*-credit requirement.

Students must verify their fulfillment of all the above requirements with the exception of those credits for which they are currently enrolled, at least one semester prior to graduation. The Registrar bears responsibility for verifying the student's fulfillment of the quantitative requirements. The department from which the student expects to be graduated reserves the right to determine that qualitative requirements have been met.

**48 credits required in Accounting*

General Departmental Requirements

All students must fulfill the degree requirements within a specific department. Students may, with departmental approval, fulfill degree requirements in two departments. The student will receive a single degree that properly identifies the major areas of study (see Dual Major). Students receive a Bachelor of Arts (B.A.), a Bachelor of Fine Arts (B.F.A.) Bachelor of Science (B.S.) or a Bachelor of Professional Studies (B.P.S.) degree based on the primary major.

At least 24 credits within the major must be completed in courses beyond the introductory or survey level (3000 level or higher).

All programs leading to the B.A. and B.F.A. degrees require **at least 90 credits** in the liberal arts, including a sequence of courses normally consisting of 30-36 credits in a major field or area from one of the traditional liberal disciplines. Normally, not more than 40 credits in any major may be applied toward a bachelor of arts or bachelor of fine arts degree.

All programs leading to the B.S. degree require **at least 60 credits** in liberal arts and include a sequence of courses normally consisting of 30-36 credits in a major field or area of study. Generally, not more than 54 credits in any major may be applied toward a bachelor of science degree.

Programs leading to the B.P.S. degree require **at least 30 credits** in liberal arts.

Fields of study traditionally associated with the liberal arts include humanities, mathematics, natural and physical sciences, social sciences and the arts. Programs designed to prepare persons for specific occupations or professions are not liberal arts. These include business and education.

The New York State Department of Education has granted approval to SUNY College at Old Westbury to offer the following degree programs. **Enrollment in other than registered or otherwise approved programs may jeopardize student eligibility for certain student aid awards.**

Registered Degree Title	Degree	HEGIS Number	Curriculum Code
¹ Accounting	B.S.	0502	U0281
¹ Accounting/Accounting	*B.S./M.S.	0502	U0281
¹ Accounting/Taxation	*B.S./M.S.	0502.10	U0281
American Studies	B.A.	0313	U0304
Biochemistry	B.S.	0414	U0387
Biological Sciences	B.A., B.S.	0401	U0313
Adolescence Education-Biology	B.A., B.S.	0401.01	U0127
Business Administration	B.S.	0506	U0280
Business & Management	B.P.S.	0506	U0288
Chemistry	B.A., B.S.	1905	U0316
Adolescence Education-Chemistry	B.A., B.S.	1905.01	U0128
⁵ Comparative Humanities	B.A.	4903	U0392
⁷ Computer & Information Science	B.S.	0701	U0286
² Criminology	B.S.	2209	U0810
Childhood Education 1-6	B.S.	0802	U1557
Childhood Education 1-6 (Bilingual)	B.S.	0802	U1576
English	B.A.	1599	U0323
¹ Finance	B.S.	0504	U0282
³ Health & Society	B.S.	2299	U0723
History	B.A.	2205	U0329
⁴ Industrial and Labor Relations	B.A., B.S.	0516	U0283
⁷ Management Information Systems	B.S.	0702	U0858
¹ Marketing	B.S.	0509	U0285
Mathematics	B.S.	1701	U0334
Adolescence Education-Mathematics	B.S.	1701.01	U0126
⁴ Media & Communications	B.A.	0601	U1072
Middle Childhood Education-Biology	B.S.	0804.04	U1592
Middle Childhood Education-Chemistry	B.S.	0804.04	U1593
Middle Childhood Education-Mathematics	B.S.	0804.03	U0107
Middle Childhood Education-Spanish	B.S.	0804.07	U0109
⁵ Philosophy & Religion	B.A.	1599	U1065
Politics, Economics & Law	B.A.	2299	U0393
Psychology	B.A., B.S.	2001	U0347
Adolescence Education-Social Studies	B.A.	2201.01	U0125
Sociology	B.A., B.S.	2208	U0352
⁸ Spanish Language, Hispanic Literature & Culture	B.A.	1105	U0824
Adolescence Education-Spanish	B.A.	1105.01	U0124
Special Education with Bilingual Extension	B.S.	0808	U0113
Special Education and Childhood Education 1-6	B.S.	0808	U1560
Visual Arts	B.A.,B.F.A.	1002	U0373
Visual Arts: Electronic Media	B.S.	1002	U1727
Spanish	Certificate	5611	

Degree offered by:

¹ School of Business

² Sociology Department

³ Biological Sciences Department

⁴ American Studies Department

⁵ History and Philosophy Department

⁶ Politics, Economics and Law Department

⁷ Mathematics, Computer and Information Science Department

⁸ Modern Languages Department

⁹ Combined degree program

Liberal Education Curriculum

The core of academic study at Old Westbury is a Liberal Education Curriculum. It is designed to provide students with a broad, multidisciplinary education that serves as a foundation for further study, career preparation, and participation in our increasingly complex society. Old Westbury's Liberal Education Curriculum maintains the College's commitment to Diversity, interdisciplinary education, and critical inquiry, and incorporates SUNY-wide General Education requirements.

Diversity. All students will complete a course in the College's mission-defined "Diversity/Social Justice" domain. Students entering in their first year will complete this requirement through a two-semester sequence, *FY1000 Ethics of Engagement* and *CL2000 Community Learning*. Transfer students may select from a list of approved Diversity courses.

College Proficiencies. Beyond the SUNY General Education domain learning outcomes, Old Westbury requires students to fulfill local College proficiencies in Mathematics and English.

- **Mathematics proficiency** may be satisfied by earning a grade of C or higher in *MA1020 College Algebra*, *MA2000 Applied Statistics*, *MA2010 Foundations of Mathematics I*, *MA2020 Foundations of Math-*

ematics II, MA2050 Quantitative Decision-making, MA2080 Precalculus for Business and Economics, or MA2090 Precalculus. Students may also satisfy the mathematics proficiency requirement by transfer of an equivalent course to the above, by earning a score of 3 or higher on the Calculus AB, Calculus BC, or Statistics AP exams, or by earning a score of 85 or higher on the Algebra II/Trigonometry Regent's exam. *Mathematics proficiency requirements can also be met by a satisfactory score on a placement examination evaluated by the Mathematics Department.*

- As a demonstration of proficiency in writing, students must achieve a grade of C or higher in both the EL 1000 English Composition I course (the GE Basic Communication course) and an EL 2200-2299 course in Argumentation/Literary Perspectives. Writing proficiency requirements can be met by transfer of courses with a grade of C or higher that are equivalent to EL1000 and EL 2200-2299 or by a satisfactory score on a writing placement examination evaluated by the English Department. Students who earn a 3 or higher on the AP English exam are exempt from taking EL 1000 English Composition I.

SUNY General Education. Students will complete a course in each of the following domains: Mathematics, Basic Communication, Creativity and the Arts, Western Tradition, American Experience, Major Cultures, Foreign Language, Natural Science, Humanities and Social Science. In some cases, an individual course may satisfy more than one domain, but all students must complete a minimum of 30 GE credits, as mandated by the SUNY Board of Trustees. The curriculum incorporates competencies in Critical Thinking and Information Management. *Effective Spring 2015, students transferring into Old Westbury with an AA or AS degree from a SUNY or CUNY institution are deemed to have met Old Westbury's General Education requirements.*

(More details about the Liberal Education Curriculum, and a list of courses included in the program, can be found at <https://www.oldwestbury.edu/academics/liberal-education>)

First Year Program

The goal of the First-Year Program is to promote student academic success and engagement in the Old Westbury campus community. Beginning in the fall of 2007, the First-Year Experience Program was expanded and restructured to include a common first semester seminar, The Ethics of Engagement: Educating Leaders for a Just World (FY1000, 4 credits) and a required course-embedded community engagement experience (CL General Education Course, 4 credits linked to CL2000, 2 credits).

The First-Year curriculum, required of all students who enter with fewer than 24 college credits, introduces students to the ethical, civic and academic ideals that define an Old Westbury education, creating a common intellectual foundation for students and fostering their active engagement in the College's richly diverse learning community. It promotes academic success by helping students to become intentional learners and develop the intellectual and social skills required to tackle the challenges of college learning and campus living-- critical thinking, problem-solving, intellectual analysis, time-management, teamwork, financial literacy and self-reflection.

In their first semester, students enroll in a common 4 credit first-year seminar, The Ethics of Engagement: Educating Leaders for a Just World (FY1000) that emphasizes the themes of self-discovery, the meaning of a liberal education, the relationship of the individual to society and the nature of values and of personal and social responsibility.

In their second semester, all first-year students participate in Old Westbury's mandated Community Action, Learning and Leadership Program which integrates traditional academic study and course-embedded community-based learning and action. The CALL program is rooted in the College's historic social justice mission, challenging students to confront the big questions facing the world today by participating in and reflecting upon civic engagement activities. Students enroll in a CL General Education course of their choice (4 credits), linked to CL2000: Community Engagement Field Placement (2 credits). Students in CL 2000 are assigned to work in a college or community placement for 4 hours a week (approximately 50 hours a semester) that relates to the particular course content of the CL General Education course in which they are enrolled.

Academic Advisers assist all first-year students and guide them in selecting appropriate courses. Students must satisfy any prerequisites before registering for courses.

Honors College Program

A select group of incoming full-time freshmen, transfer students and continuing students are invited each year to become Honors College students. Students who are selected to join the Honors College will have enriched educational opportunities and take a series of intellectually rigorous and stimulating courses that are a part of the required credits needed to complete a Bachelor's degree at Old Westbury.

Graduate schools, professional programs and employers all look with strong favor on applicants who have participated in an Honors College. The students receive benefits including internship and research opportunities, book scholarship funds each semester, priority registration, exclusive use of the Honors College study and reserved parking. In addition, the Honors College offers a variety of free academic, cultural and social activities. Admission to the Honors College is based on past academic performance.

Dr. Anthony DeLuca, Director of the Honors College is available at NAB 1021 by calling (516) 876-3177 or emailing delucaa@oldwestbury.edu.

- The Honors College accepts freshmen with at least a 90 high school average and a combined math and reading SAT score of 1150 and above.
- Continuing Old Westbury students must have at least a 3.5 GPA to apply for admission to the Honors College.

Academic Advisement for First Time To College Students

The Academic Advising Center staff provides the following services:

- Assist students as they plan their course work.
- Explain General Education requirements to students
- Assist transfer students in understanding how their previous coursework was evaluated.
- Help students make an informed choice of major.
- Provide information on academic policies and procedures.
- Monitor the progress of students on academic jeopardy and/or probation.
- Administer the College's placement examinations in English and mathematics.
- Advise students on time-management and study skills.

The Center is located in the New Academic Building, 1118A, (516) 876-3044.

Registration

Registration, which is a prerequisite to class attendance, takes place before each semester begins. Registration instructions are posted on the campus website and published in the semester class schedule. A student may register on the web, and must pay tuition and fees or make appropriate arrangements with the Bursar, to be considered officially registered.

Physical presence in class does not constitute registration in a course even when work is completed. Students who have not registered officially will not receive any credit for the course work. (Auditors in a course cannot receive retroactive credit.) All changes in students' course schedules must be made before the end of the add/drop period (the first week of the semester), as published in the College calendar.

Courses published in the semester class schedule may be cancelled for budgetary, curricular or enrollment reasons. In such cases, an effort will be made to adjust a student's registration to minimize adverse effects.

Course Prerequisites

Students should meet the prerequisites to a course before taking the course. Prerequisites indicate through specific coursework the type of knowledge, the level of academic maturity, or the acceptance to a specific program that a student should have achieved before taking a course. Completion of the prerequisites may be in progress at the time the student advance registers for the following semester. The course instructor has the option to instruct any student not meeting the prerequisites to a course to drop the course by the end of the first week of classes. In addition, some courses enforce prerequisites at the time of registration. Students who believe they have satisfied the prerequisite to a course through transfer work or through other study or experience should seek permission of the instructor before registering. Permission of the instructor supersedes stated prerequisites. Certain courses may be taken only with the permission of the instructor or of the department; this is listed as a course comment.

Categories of Students

Matriculated Student

A matriculated student is one who has been admitted to the college through the Office of Enrollment Services, and is working toward the completion of a degree. A matriculated student may enroll full-time (a minimum of 12 credit hours per semester), or part-time (fewer than 12 credit hours per semester).

Continuing

Students who have continued their registration directly from the immediately preceding fall or spring semester. (Summer registration is not applicable.)

Returning

Students who are registering after a break of one or more semesters including students who have graduated from SUNY Old Westbury or who have been away several years.

New

Students who have been admitted to SUNY Old Westbury, but have never registered.

Lower Division

Students with fewer than 57 credits, including transfer and SUNY Old Westbury credits.

Upper Division

Students with 57 or more credits, including transfer and SUNY Old Westbury credits.

Note: Transfer credit is awarded only after official transcripts have been received and recorded by the Office of the Registrar.

Transfer Credit

Joint Agreements

Any joint agreements we have with other colleges or universities should be listed under Admissions.

Policies and Procedures Regarding Transfer Credits

Credits appearing on the transcript of another regionally accredited college that were taken at that college are evaluated by the Registrar for transfer to Old Westbury. Transfer credit for courses taken at institutions that operate on a quarter system is limited to computed equivalence in semester hours. **A maximum of 80 transfer credits will be awarded.**

Official transcripts for courses taken prior to the student's first semester at the College must be submitted to the Office of Enrollment Services as part of the admissions procedure. A preliminary evaluation of transfer credit can be made on the basis of a student copy of a transcript. However, official transfer of credit will be made only upon receipt of an official transcript. Transfer students should ensure that official transcripts of prior work are filed in the Office of the Registrar prior to initial registration, but no later than the start of classes.

Students will receive credit for courses taken as part of an AA, AS or AAS degree, if the courses were taken at the institution granting the AA, AS or AAS degree. Credits from an AOS or other associates degree programs are evaluated and accepted selectively. Acceptance of any credit does not imply that major or College requirements have been satisfied. Therefore, in order to graduate, students may be required to complete more than the stated minimum number of credits necessary for a particular degree program.

Transfer credit will not be awarded for courses in which a grade of D+ or below was earned, except if the courses are part of and taken at the institution granting the AA, AS or AAS degree.

Normally, courses taken at institutions without regional accreditation are not transferable to the College. A student may petition the Academic Policy Committee for an exception to this rule; in certain documented instances, the petition may be granted. Courses given credit under this provision may not be used to satisfy the requirements of a particular degree without the permission of the appropriate department chair.

Courses for which transfer credits have been accepted may not be repeated for credit at Old Westbury.

Other Conditions of Transfer

The College's policies governing transfer credits stipulate that all transfer students:

1. Earn a minimum of 40 credit hours (48 for Accounting majors) at Old Westbury, and fulfill the college residency requirement.
2. Fulfill the College's requirement that all candidates for graduation demonstrate mastery of computational and American English language skills and must meet the College's General Education requirements;
3. Take a minimum of 24 credit hours in courses in the major at the 3000, 4000 or 5000-level. Specific majors may require more than the minimum 24 credits;
4. Complete 45 credits in courses at the 3000, 4000 or 5000-level toward overall degree requirements;

Credit by Examination

A maximum of 30 credits can be awarded based upon standardized external examinations such as Advanced Placement (AP), College Level Examination Program (CLEP), the Regents College Examinations, and the Defense Activity for Non-Traditional Support (DANTES) program, and International Baccalaureate Programme Credit.

Credit by examination cannot be used to fulfill the College's residency requirement. Since each academic department has its own policy for accepting credit by examination in fulfillment of departmental requirements, students should consult with the chair for further information.

Credit will be awarded for a score of 3 or higher on any Advanced Placement Examination. Credit for CLEP examinations will be awarded for scores meeting or exceeding the minimum credit granting score as determined by the American Council on Education (ACE) and indicated on an official CLEP transcript.

Credits for AP and CLEP will only be awarded when an official AP or CLEP transcript, sent directly by the College Board is received by the Office of the Registrar. Credits cannot be granted on the basis of a high school transcript or college transcript even if they have been granted at those schools. For more information or to order transcripts go to www.collegeboard.org

Credits may also be granted for students who have participated in the International Baccalaureate Programme. Courses in which a score of 4 or higher is achieved may be considered for transfer credit and will be evaluated on a course by course basis. An official IBP transcript must be submitted to the Office of the Registrar for consideration before credits can be granted.

Courses that are equivalent to transfer credit that has been granted as a result of external examinations may not be repeated for credit at Old Westbury. Students may not apply for life experience credit for the same courses in which they have been granted credit by examination. (see APEL section which follows).

International Baccalaureate Programme Credit

Credits may also be granted for students who have participated in the International Baccalaureate Programme. Courses in which a score of 4 or higher may be considered for transfer credit and will be evaluated on a course by course basis. An official IBP transcript must be submitted to the Office of the Registrar for consideration before credits can be granted.

Academic Credit for Military Training

A maximum of eight credits will be awarded for a minimum of two years of active duty in any branch of military service. However, such credits do not satisfy College-wide or departmental requirements. To be granted such credit, the student must submit a copy of the DD214 (Discharge) to the Veterans Affairs Coordinator in the Office of the Registrar. (No automatic credit is given for active duty of less than two years.)

Veterans may also apply for credit based on specific formal courses of instruction given by the military services. The Office of the Registrar evaluates such applications based upon a Joint Services Transcript (JST) and the recommendations provided by the American Council on Education (ACE).

Appeal of Transfer Credit Evaluation

If you do not agree with the evaluation of your transfer credits you may appeal to the Transfer Articulation Manager in the Office of the Registrar. The appeal must be made in writing in the form of a letter or e-mail along with supporting documentation. The appeal letter must outline the reasons for the appeal and be submitted with a syllabus of the course(s) in question and any other documents that may support the appeal. You will receive a response to your appeal within 10 business days of the receipt of the appeal.

If the courses in question were taken at a SUNY school **you may refer to the SUNY website for further information.**

Appeal letters and documents must be submitted to:

Transfer Articulation Manager
Office of the Registrar
SUNY Old Westbury
PO Box 210
Old Westbury, NY 11568

Accreditation Program for Experiential Learning (APEL)

APEL has been designed to award college credit to students who have acquired college-level learning from their life experiences. The APEL Committee does not grant credit for the experience itself, but rather for the college-level learning that is related to the experience.

To earn APEL credits, the student must describe and document this learning, and what college subject or area the experience is the equivalent of. A maximum of 32 APEL credits can be earned. These credits will not satisfy departmental requirements for the major, nor may they be used to satisfy General Education requirements. APEL credits do not satisfy the College's residency requirements;

40 credits must be earned at the College. Grades are not assigned to APEL credits. APEL credits may not duplicate credits earned in coursework. Military Service is not eligible for APEL credit.

Learning languages is not considered for APEL credit. Students may not request an APEL appeal after graduation. Students are not charged for APEL credits nor for the evaluation of their portfolios. APEL credits are non-transferable. To apply for APEL credits, students must have at least 31 credits recorded on the transcript, and must be currently registered at the College. Deadlines for portfolio submission are October 1st for the fall semester, and March 1st for the spring semester.

Declaration of Major

Students are encouraged to declare a major as early as possible and must complete the process before they have earned 42 credits (including transfer credits). Noting a particular department major on the Admissions Application constitutes an official declaration of major or acceptance into that department, with the exception of the School of Business, which has specific admissions requirements and criteria for continuing as a major.

Details regarding declaring a major may be requested at DECMAJR@oldwestbury.edu.

Failure to declare a major will result in loss of eligibility for Federal financial aid. Furthermore, failure to declare a major by the time students have earned 42 credits will result in loss of eligibility for state financial aid (TAP).

Dual Major

A student who officially declares and completes the requirements for two majors (a dual major) will receive one baccalaureate degree upon graduation. The primary major/degree (B.A., B.S., B.P.S.) will determine the actual degree awarded. The College does not officially recognize triple majors. Students who wish to complete two majors must obtain the approval of the two departments involved. There must be a significant difference between the two majors. Certain combinations of majors are not permitted.

Second Degrees

The College will award a second degree to students who have already received a bachelor's degree either from Old Westbury or from another U.S. institution. Department degree requirements, and college residency requirements for each degree must be met. General Education requirements are usually satisfied if a student has earned the first degree at another SUNY institution. General Education requirements are evaluated on an individual basis for any first degrees from non-SUNY institutions. Of the minimum 40 credit hours* that must be earned, a minimum of 30 must be taken in a field that is significantly different in academic content from the first baccalaureate degree. A "significant difference" normally will be interpreted as meaning "in a different discipline or subject matter area."

*48 credits required in Accounting.

Policy on Credit Hours and Course Expectations

Colleges, universities and accrediting bodies use the credit hour as the standard measure of academic rigor. In order to fulfill our mission, to meet our regulatory obligations and to help students understand the typical demands of our courses, these policies define a credit hour for all credit-bearing courses offered at SUNY College at Old Westbury.

Specifically, this policy:

- provides a summary table of students' course-related work expectations for a 4-credit course in various course configurations
- provides information about the way credit hours and related academic expectations are formulated in state, federal, and accreditation regulations.

Course Expectations for a 4-credit Course (in minutes, where 1 credit hour = 50 minutes)

Student workload expectation for 4-credit courses (ratios shall be pro-rated for alternative course credit loads)	In-class per week	Outside-of-class per week	Total per week	Total per course
Fall/Spring semester <i>traditional</i> courses meeting 3 hours per week for lecture/discussion (15 weeks)	180	420	600	9000
Fall/Spring semester <i>hybrid</i> courses (15 weeks)	90	510	600	9000
Fall/Spring semester <i>blended</i> courses (15 weeks)	1-179	599-421	600	9000
Fall/Spring semester <i>online</i> courses (15 weeks)	0	600	600	9000
Summer session (5 weeks) <i>traditional</i> courses	560	1240	1800	9000
Summer session (5 weeks) <i>online</i> courses	0	1800	1800	9000
Winter session (3 weeks) <i>traditional</i> courses	900	2100	3000	9000
Winter session (3 weeks) <i>online</i> courses	0	3000	3000	9000

Relevant Definitions and Policy Statement Summaries

a) United States Department of Education – Credit Hour Definition

(<http://www.ecfr.gov/cgi-bin/text-idx?rgn=div8&node=34:3.1.3.1.1.1.23.2>)

The U.S. Department of Education defines a credit hour as:

An amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that reasonably approximates not less than:

1. one hour of classroom or direct faculty instruction and a minimum of two hours of out- of-class student work for approximately fifteen weeks for one semester or trimester hour of credit, or ten to twelve weeks for one quarter hour of credit, or the equivalent amount of work over a different amount of time; or,
2. at least an equivalent amount of work as required in paragraph (1) of this definition for other academic activities as established by the institution, including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours.

b) Middle States Commission on Higher Education Policy

(<http://www.msche.org/documents/CreditHourPolicyRev112012.pdf>)

The Commission recognizes that institutions may use one or both of the options identified in the [US DoE] definition of credit hours when assigning credit hours.

Institutions must provide the following information to the Commission's evaluators at appropriate points of accreditation review so they can verify compliance with the credit hour regulations:

1. Written policies and procedures used to assign credit hours;
2. Evidence and analyses demonstrating that these policies and procedures are consistently applied across programs and courses, regardless of delivery mode or teaching/learning format;
3. An explanation of how the institution's assignment of credit hours conforms to commonly accepted standards of higher education.

c) New York State Education Department:

(<http://www.highered.nysed.gov/ocue/50.1.htm>)

§ 50.1 Definitions

(o) Semester hour means a credit, point, or other unit granted for the satisfactory completion of a course which requires at least 15 hours (of 50 minutes each) of instruction and at least 30 hours of supplementary assignments, except as otherwise provided pursuant to section 52.2(c)(4) of this Subchapter. This basic measure shall be adjusted proportionately to translate the value of other academic calendars and formats of study in relation to the credit granted for study during the two semesters that comprise an academic year.

(Revised Fall 2015)

Academic Workload

A student achieves full-time status with a course load of 12 or more credits. The maximum credit load for fall or spring semesters for undergraduate students is 18 credits. Students wishing to add courses, which will give them an academic load over 18 credits (overload), are required to petition for a course overload with the chair of the department in which the student is majoring. If approved, the chair will e-mail the approved request to the Dean for final approval. The Dean will e-mail the authorization to the Office of the Registrar. The Office of the Registrar will inform all parties via campus e-mail of completion of the overload process. Mastery of reading and writing skills is required. Students on probation are not eligible to take a course overload under any circumstances.

Academic Class Level

The following designations specify a student's academic class level:

Upper Division: Seniors 88 or more credits
Juniors 57-87 credits

Lower Division: Sophomores 32-56 credits
Freshmen 0-31 credits

Note: Senior standing does not necessarily imply eligibility for graduation. Eligibility for graduation depends on the fulfillment of all College and departmental requirements as determined by the Registrar and the department from which the student expects to be graduated.

Determination of class level is based on the Registrar's evaluation of official transcripts available in that office. Changes in academic class level occur only as students complete courses at Old Westbury, or when the Office of the Registrar receives and evaluates official transcripts from other colleges or universities.

Academic Course Level

The academic course level coding at the College is as follows:

Upper Division:	3000	Lower Division:	1000
	4000		2000
	5000		

The term, "courses above the introductory and survey level," refers to 3000, 4000 and 5000-level courses.

Course Coding

The College's course coding system, used to identify courses, consists of a department indicator, numerical level and a section indicator.

The discipline indicator identifies the program offering the course:

AS: American Studies	IR: Industrial and Labor Relations
BS: Biological Sciences	MA: Mathematics
BU: School of Business	MD: Music and Dance
CE: Community Engagement	ML: Modern Languages
CL: Community Learning	PE: Politics, Economics & Law
CP: Chemistry and Physics	PH: Public Health
CR: Criminology	PY: Psychology
CS: Computer Science	SY: Sociology
ED: School of Education	VA: Visual Arts
EL: English	WS: Women's Studies
HL: History and Philosophy	FY: First-Year Experience

The four-digit number following the discipline indicator provides information about the course. The first digit represents the level of instruction:

0000 - Non-credit	3000 - Intermediate-major
1000 - Introductory-general	4000 - Advanced-major
2000 - Introductory-major	5000 - Senior level

Independent Study

All independent study must be undertaken under the guidance of a faculty member, based in an academic department, and be related to the student's course of study. Agreement to supervise independent study is the prerogative of the faculty member and must follow the guidelines of the individual department. A student should understand that undertaking an independent study is a rigorous intellectual exercise which requires more self-discipline than the ordinary course.

Credit may be earned through independent projects and research, field study, and independent course work and readings. It is expected that each of these will involve regular meetings with the faculty mentor and will require specific work assignments, readings, writing assignments and a final paper or other end-of-term project.

In order to be eligible for independent study, a student must have earned at least 30 credits, be proficient in reading and writing, and be in good academic standing. In addition, the student's prior academic record must indicate that the student is capable of independent work.

In addition to registering for an independent study, a student must file an Independent Study Contract. The contract must be filed with the Office of the Registrar at the time of registration. A student is limited to enrolling in a maximum of two independent study courses during any one semester. A maximum of 16 independent study credits may be applied to degree requirements.

A student must consult with his/her advisor before pursuing any form of independent study, and should note that individual departments may set more rigorous criteria toward completing departmental requirements.

Registration for an independent study is subject to all normal registration deadlines.

Grading System

The grading system used on transcripts provides for 16 letter grades consisting of A, A-, B+, B, B-, C+, C, C-, D+, D, D-, F, CR (credit), NC (no credit), I (incomplete), W (withdrawal) and NR (not reported). All students whose names remain on the official class roster, prepared at the end of the add/drop period, are assigned one of the above grades.

All grades except CR, NC, I, W and NR are calculated in the student's GPA. However, in cases where students repeat a course, the newest grade replaces the old one(s) in the GPA calculation. All grades, however, will remain on the transcript. **While students must pay for every course they take, financial aid will not pay for repeated courses unless the department/program requires a minimum grade for graduation and the previous grade was below the requirement. Courses not required to be repeated by the department will not count toward credit load for purposes of financial aid eligibility.** (This information does not apply to courses that departments designate as repeatable for credit.)

The number of credits assigned to a course cannot be changed unless the course is one in which students may earn variable credit (e.g., independent study). Credit cannot be awarded twice for the same course, unless the course is one that may be repeated for credit (e.g., certain internships, directed research, etc).

Credit/No Credit

A student may elect a credit/no credit option with the permission of the instructor. The student's request must be filed in the Office of the Registrar before the end of the third week of the semester. After the third week, this contract cannot be approved or cancelled. Courses taken for a grade of CR or NC do not affect the GPA. Specific

restrictions on the credit/no credit option vary by department major. Students should consult with an academic advisor in his/her major program.

Incomplete

A grade of Incomplete (I) may be assigned by the instructor when:

- extenuating circumstances, such as accident or illness, make it impossible for the student to complete the course work by the end of the semester;
- the student has completed most of the course work at a passing level;
- the instructor expects that the student will be able to complete the remainder of the course requirements by the end of the following semester.

A grade of I remains in effect for one semester. A student must make appropriate arrangements with his/her instructor to complete the course requirements. The instructor will inform the student concerning the specific scope and nature of the work that must be completed. To certify fulfillment of course requirements, the instructor is expected to submit a letter grade by the end of the following semester. If the instructor does not submit a grade, the Registrar will automatically assign a grade of F unless the instructor submits a written request to the Registrar for an extension, or the student has filed an application for CR/NC, in which case a grade of NC would be assigned. Students who are completing an incomplete should not re-register for that course in the semester that they are completing the incomplete.

Withdrawal

W, signifying withdrawal, may not be assigned as a final grade. After the end of the add/drop period and up to the **seventh week** of classes, a student may withdraw from one or more courses by filing an official withdrawal form in the Office of the Registrar. The Registrar will then record a W on the student's transcript.

Please Note: Nonattendance in classes does not constitute withdrawal.

In extraordinary circumstances, the Registrar will record a W on a student's transcript after the seventh week of the semester, but prior to approximately two weeks before the final day of classes, if the instructor and the Office of Financial Aid have approved the withdrawal and the student has filed the necessary form with the Registrar by the deadline.

Any student who has not withdrawn officially from a course will remain on the final grade roster and will be assigned a final grade of F from the instructor or NC if the student has filed the appropriate CR/NC contract. Withdrawals may affect a student's subsequent eligibility for financial aid awards. Grades are final as submitted.

See the section on Financial Aid in this catalog for a description of the effect of W grades on continued eligibility for student financial aid. A grade of W does not affect the GPA.

Not Reported Grades

Courses for which the instructor did not report a grade are assigned the designation "NR." "NR" designations remain in effect for one semester. If the instructor does not submit a grade within one semester, the Registrar will automatically assign a grade of "F," unless the student has filed an application for "CR/NC," in which case a grade of "NC" would be assigned.

Repeated Courses

If a student repeats a course, which may not be repeated for credit more than once, only the latest grade will be used in calculating the grade point average (GPA). However, all courses and corresponding grades will remain on the transcript. For purposes of state aid, courses not deemed necessary to repeat according to department policy (as stated in the college catalog) will not satisfy full time status requirements.

Other Information on Grades/Time Limit

Grades submitted at the end of the semester are considered final and may only be changed in the case of instructor error or as the result of an Academic Grievance Committee decision. Faculty must submit grade change petitions to their academic dean on the official grade change form, which includes a detailed justification. Grade changes will not be accepted for courses that were completed more than one year after the original grade was assigned. Under no circumstances may a grade be changed after the degree has been awarded.

A student whose name appears on the class roster compiled at the end of the add/drop period, continues his or her registered status until the end of the semester, unless that student has **officially** withdrawn from the class. Consequently, liability for billing and eligibility for financial aid, as well as liability for probation, suspension or dismissal continues to apply to all students on this roster, unless the student has officially withdrawn at the Office of the Registrar.

Grade-Point Average (GPA)

Effective fall 1996, each letter grade carries the following quality points:

A = 4.00	B- = 2.70	D+ = 1.30
A- = 3.70	C+ = 2.30	D = 1.00
B+ = 3.30	C = 2.00	D- = .70
B = 3.00	C- = 1.70	F = 0.00

Two calculations of grade point averages appear on the student's transcript: a semester grade point average and a cumulative grade point average. No quality points are assigned to CR, NC, I or W.

Courses taken prior to 1984 are not included in the calculation of the GPA on the transcript but are manually calculated by the department of major in determining a student's graduation status.

Mid-Term Grades

At the mid-point of a semester, progress grades are assigned to officially enrolled students. These grades are not reported on the student's transcript and are not calculated in the student's GPA.

Authorized mid-term grades are as follows:

S - Satisfactory (grade of C or higher)

U - Unsatisfactory (grade of C-, D+, D, or D-)

F - Failing

Dean's List

Any full time student who completes all courses for which they registered, which are graded using the normal grading system (A through F) and achieves a 3.50 grade point average will be included on the Dean's List. Any part time student enrolled for at least 8 credits, who completes all courses for which they are registered, which are graded using the normal grading system (A through F), and achieves at least a 3.50 grade point average will be included on the Dean's List.

Undergraduate Latin Honors Policy

Latin Honors recognize the achievement of the overall academic record of outstanding students graduating with a Bachelor's degree. They will be awarded to graduating seniors based on the following criteria:

- A. Compliance with the College's academic integrity policies (i.e., Policy on Academic Integrity)
- B. Completion of a minimum of 60 credits of NORMAL graded courses (EXCLUDING CR, NC, NR, and W) taken at Old Westbury. IF A STUDENT HAS AN INCOMPLETE AT THE TIME LATIN HONORS IS CALCULATED, THAT STUDENT IS INELIGIBLE FOR LATIN HONORS.
- C. Achievement of a minimum grade point average of 3.6;
 1. For summa cum laude, a grade point average from 3.9 to 4.0;
 2. For magna cum laude, a grade point average from 3.75 to 3.89; and
 3. For cum laude, a grade point average of 3.6 to 3.74; and
- D. Successful completion of all College-wide and Departmental graduation requirements.

Students who are eligible for Latin Honors will have "Latin Honors" pending next to their names on the Commencement program, and they will also wear different color cords to distinguish the three levels of distinction at the May Commencement ceremony: Gold :summa cum laude, Silver: magna cum laude, Bronze: cum laude. Upon completion of their final semester at Old Westbury, they will officially earn the Latin Honors distinction which will appear on their college transcript and diploma.

Auditing

Auditing is defined as attending a course for informational instruction only. No credit is granted for such work, nor does the College keep any record of the student's participation in the audited course.

A student who wishes to audit a course must first obtain the instructor's permission.

Transcript Requests

A transcript of a student's academic work may be ordered in person, by mail or on the WEB at a cost of \$10.00 per copy. The fee is charged for both official and student copies.

In person: Photo ID is required to order academic transcripts in person at the Office of the Registrar.

Mail: A student may order academic transcripts by mailing a signed, written request to: The Office of the Registrar, SUNY Old Westbury, P.O. Box 210, Old Westbury, New York 11568. The request should include the student's name, social security number, address, and the exact address of the institution for which the transcript has been requested. The student must also enclose a check or money order payable to SUNY Old Westbury.

WEB: If paying by VISA, MasterCard, Discover or e-check, a student must request the academic transcript on the WEB at https://owsis.oldwestbury.edu/pls/prod/twbkwbis.P_WWWLogin

- Login
- Select Student Services
- Select Student Records
- Select Printed Transcript

For more information, contact the Office of the Registrar at Registrar@oldwestbury.edu. A student copy may be obtained at no charge at the same sites.

Leave of Absence

Normally, a student requests a leave of absence when temporary activities, circumstances or conditions in the student's life are likely to have a significant adverse affect on the student's academic success. A student wishing to take a leave of absence should consult with his/her academic advisor.

A student may take a leave of absence from the College by applying at the Office of the Registrar. Taking a leave of absence does not exempt a student from financial obligations. A student who is approved for a leave of absence after the add/drop period may receive grades of W, signifying withdrawal, in all courses for that semester. A student who is approved for a leave of absence after the add/drop period may receive grades of W, signifying withdrawal, in all courses for that semester.

Application for Graduation and Commencement

Graduation is the process of awarding a degree upon meeting all degree requirements as verified by the Office of the Registrar.

Commencement is a ceremony in which December and January graduates and candidates for May and August may participate. Degrees are not awarded at the commencement ceremony.

To become a candidate for graduation and to participate in commencement, a student must file for graduation via the OW e-mail account with the Office of the Registrar. Students are urged to review their CAPP (degree audit) reports often to make sure they are making progress toward their degree. If the CAPP report displays missing requirements, a student cannot apply for graduation unless the student can provide proof that the missing degree requirements will be completed the summer following May graduation or the winter following December graduation.

- There are four graduation terms -December, January , May and August- but only one commencement ceremony in May. December and January graduates and candidates for May and August may participate in the commencement ceremony.

Example: Fall 2016 and Winter 2017 graduates, and Spring 2017 and Summer 2017 candidates may participate in the May 2017 commencement ceremony.

- Participating in the commencement ceremony does not denote degree completion for graduation.

- The graduation filing deadlines are typically early October for December and January candidates and early March for May and August candidates. The exact dates are listed in the college academic calendar and the semester Important Dates, Deadlines and General Information, which are posted on the campus WEB site. Names of candidates for whom applications are accepted after the application deadline will not appear in the commencement program.

Graduation Statistics

Of the students who entered the College in the fall of 2009 as full-time, first time freshmen, 34.1% graduated within five years, 39.8% graduated within six years, and 3.19% maintained enrollment status after six years. Of those full-time upper-division transfer students who entered in 2009, 68.2% graduated within four years.

Veterans

Students expecting to receive Veterans Administration benefits must be certified by the Office of the Registrar after registration. To receive certification by the Veterans Affairs Coordinator in the Office of the Registrar, the student must submit appropriate documentation, including:

- V.A. Certificate of Eligibility and
- Discharge papers (DD214), certified by the County Clerk

Academic Standing

All students are expected to maintain good academic standing at the College. Academic standing is determined by the student's semester and cumulative grade point averages.

Plagiarizing means “presenting somebody else’s words or ideas without acknowledging where those words and ideas come from” (Ann Raimés, *Keys for Writers*, 5th ed., p.188). Examples include:

- copying material from the Internet or other sources and presenting it as your own
- using any author’s words without quotation marks; using any quotation without credit
- changing any author’s words slightly and presenting them as your own
- using ideas from any published sources (even in your own words) without exact credit. Note: This includes all material from the Internet or electronic databases.
- using long passages in a paper that have been written or rewritten by a friend or tutor turning in any assignment written by someone else

However, using quotations or borrowed ideas while giving exact credit is good academic procedure.

Other types of academic dishonesty include unauthorized collaboration or copying of students’ work (cheating); falsifying grades, evaluations or other documents; and others. They are treated as equivalent to plagiarism.

When detected and verified, plagiarism and other academic dishonesty will be punished severely. Normally, the first offense will result in a failure on the specific assignment; a second offense or a particularly flagrant first offense will result in failing the course. A second verified instance of plagiarism, after report of a first verified instance, will normally result in failing the course in which the second instance occurs. In cases of multiple reports, where the faculty member, Chair, and Dean recommend suspension or dismissal from the College, the final decision will be determined by an Academic Grievance Committee (AGC) drawn from the Faculty Rights and Responsibilities Committee. The AGC decision is final.

Know what plagiarism is and how to avoid it; for guidance see Raimés or any other college writing handbook. Please note: in this matter, ignorance is never an acceptable excuse.

ACADEMIC GRIEVANCE PROCEDURES

Introduction

The procedures below pertain to alleged violations or misapplications of College and/or course academic policies and do not apply to other areas with separate forms of redress, such as issues of sexual harassment, discrimination or discipline, which are addressed elsewhere. They are also directed at a student grievance alleging that he or she has been treated unfairly, in violation of established academic policy or practice. The procedures below reflect the college’s commitment to a fair and prompt resolution of student academic grievances. Students should be aware that a review of grade procedure may result in a grade being raised, lowered, or not changed.

This procedure begins with an informal process, but includes a formal process that recommends a resolution of the grievance in a way that maximizes the opportunity for a full and impartial solution. Request to waive or otherwise alter College academic policies shall continue to be the province of the Academic Practices Committee.

1. Jurisdiction

An academic grievance shall include, but not be restricted to, a complaint by a student:

- a. That the College’s academic regulations and/or policies have been violated or misapplied to him or her;
- b. That he or she has been treated unfairly, based upon established College academic policies.

The review of grievances or appeals shall usually be limited to the following considerations:

- a. Were the proper facts and criteria brought to bear on the decision? Were improper or extraneous facts or criteria brought to bear that substantially affected the decision to the detriment of the grievant?
- b. Were there any procedural irregularities that substantially affected the outcome of the matter to the detriment of the grievant?
- c. Given the proper facts, criteria and procedures, was the decision one which a person in the position of the decision maker might reasonably have made?

2. Deadlines

At the informal level: An academic grievance may be initiated no later than the end of the third week into the following semester. (A student receiving a grade as a result of satisfying the course requirements of a previously received “Incomplete” grade in the semester immediately following the semester in which the “Incomplete” was received has three weeks from notification of the grade change to initiate an academic grievance.)

At the formal level: An academic grievance may be initiated no later than the end of the fifth week into the following semester. (A student receiving a grade as a result of satisfying the course requirements of a previously received “Incomplete” grade in the semester immediately following the semester in which the “Incomplete” was received has five weeks from notification of the grade change to initiate an academic grievance.) A formal grievance involves submission of written documentation as discussed below.

3. Grievance Resolution Process

The process includes the possibility of review at two levels: the department and the School/College. Individual departments or schools may have more detailed procedures at those levels; inquiries about such policies should

be directed to the appropriate chair or dean.

- a. At the department level, a student with a complaint should first attempt to resolve the complaint informally with the faculty or staff member involved. A student must initiate the process no later than the end of the third week into the following semester. The assistance of the chair of the department may be sought to resolve the dispute.
- b. The student who is not able to achieve resolution with the instructor may initiate a formal grievance no later than the end of the fifth week into the following semester by preparing a written statement which includes:
 1. A account of the case in detail;
 2. All information about the conference with the instructor;
 3. A statement of the reasons the student believes he or she is aggrieved or, in the case of a grade, why it should be reconsidered. The statement should also include an allegation of any adverse effects on the grievant, known to the grievant at the time of filing.
 4. A description of the remedy sought.
 5. All relevant supporting materials (including, but not limited to, syllabus(i), test(s), quiz(zes), paper(s), and any graded evaluation(s)), which should be identified and listed in an index.

The student shall submit complete copies of the written statement and attachments to the chair of the department. The chair shall carefully review the statement, confer with the student and instructor, and attempt to reach a resolution of the dispute. The department chair may ask members of the department to serve as a committee to review the materials and assist him or her in reaching a decision. The chair's decision must be made in writing to the student and the instructor within ten academic days of the date of the request from the student.

If the department chair is the party against whom the grievance is brought, the student should initiate a review with the Dean of the school.

- c. If the department chair's decision does not resolve the matter to the student's satisfaction, or dean's decision, if the department chair is the party against whom the grievance is brought, the student may appeal by writing to the Chair of the Faculty Senate and forwarding the documentation to the appropriate office. This request must be made by the student within **twenty academic days** of filing the formal grievance to the department chair or dean.
- d. The Chair of the Faculty Senate shall forward the documentation to the Chair of the Faculty Rights and Responsibilities Committee.
- e. When the Faculty Rights and Responsibility Committee receives a formal grievance complaint, the committee shall convene a three-person Academic Grievance Committee (AGC) within three weeks.
- f. The AGC shall include one faculty member from the department (or a related one) in which the instructor resides. If the Faculty Rights and Responsibilities Committee does not contain such a member, the Executive Committee/School Dean shall name such a person to the AGC. In naming the AGC to hear a grievance, the Faculty Rights and Responsibilities Committee shall take care to insure that no member has an interest in the case being heard. It shall meet and review the materials presented and solicit a response from the instructor for each count in the student's case. The AGC's decision must be made in writing to the student, the instructor, the Executive Committee and the School Dean within three weeks of the date of the establishment of the AGC.

In the Case of a Grade Appeal

- a. The AGC will familiarize itself with the standards and objectives of the course and evaluative material presented. Its concerns shall be limited to consideration of the fair application of standards and objectives, and whether the standards and objectives were made known to the student in a reasonable manner. The difficulty of the standards shall not be an issue.
- b. The burden of proof shall be on the student, who **may** be asked to appear before the AGC.
- c. The majority of the AGC feels no case can be made, the original grade will remain. If it finds that the standards and objectives were not reasonably known to the student or were unfairly applied, it may recommend a higher or lower grade and give its reasons for so recommending.
- d. If the AGC determines that a different grade is appropriate, the Executive Committee shall have ten academic days from receipt of the AGC's decision to change the grade.
- e. A change of grade shall not be interpreted as an admission of unfairness in grading.

In the Case of a Grievance

In the case of a grievance, if the majority of the AGC adjudges the grievance to be without foundation, the student's appeal shall be denied. If, in the judgment of the AGC, there is a basis for the grievance, the written decision must include specific recommendations for redress. The decision of the AGC is final. Under normal circumstances, the issue is to be brought to a conclusion within two months of the establishment of the Committee.

4. Confidentiality

Once the AGC has been convened to hear a complaint, principals and committee members shall have the obligation to maintain the confidentiality of the proceedings and of all materials presented to review proceedings.

5. Record Keeping

In conformance with state regulations, all parties shall maintain adequate documentation about each formal complaint and its disposition for a period of at least six years after final disposition of the complaint. Copies shall go to the Provost, Dean and department chairs.

Academic Support Services

Educational Opportunity Program

The Educational Opportunity Program (EOP) is funded by the State of New York and implemented through the State University. The program's purpose is to provide a chance for students who are high school graduates or hold high school equivalency certificates to be admitted to college and receive support services. The program is especially designed for students who normally would not be admitted into institutions of higher education through the regular admissions process, but who, nevertheless, have potential for college in terms of motivation, ability, and discipline. The program admits students who meet the specific educational and financial eligibility requirements.

The EOP provides all students enrolled in the program with a variety of support services, including tutoring, personal counseling, academic advisement, career planning, financial aid, workshops on study skills and, for some students, a summer school preparatory experience.

All participants in the program are expected to meet the minimum academic standards of SUNY Old Westbury.

To assist enrolled students in meeting their college costs, financial aid packages are provided on an individual basis. The financial aid package for each student is determined by the Office of Financial Aid based on need and financial background. Students enrolled in EOP must apply for both the Tuition Assistance Program (TAP) and Pell Grant funding, with the balance of the student's college costs met through EOP funds, work study, and/or loans.

To request admission into the EOP at Old Westbury, applicants must complete the standard State University of New York Application, checking the appropriate boxes on the forms to indicate a desire to be considered for EOP admission.

For additional information, refer to the Admissions and Financial Aid sections of the catalog. All inquiries should be directed to: Enrollment Services/EOP, SUNY Old Westbury, Old Westbury, New York 11568-0307; (516) 876-3073; TDD number for hearing impaired (516) 876-3083.

Services for Students with Disabilities:

Learning, Medical/Physical and Mental Health Disabilities

Some Old Westbury students live with learning, medical/physical disabilities and/or mental health issues. These issues can present unique challenges. The Americans with Disabilities Act (ADA, 1990) and Section 504 of the Rehabilitation Act of 1973 are the two pieces of legislation that ensure equal opportunities for college students with disabilities. The Office of Services for Students with Disabilities (OSSD) coordinates students' reasonable accommodations, which include, but are not limited to, extended time on examinations, assistive technology, and note takers. We focus on students' strengths and resources, and students' full participation in extracurricular activities.

Students who need to receive services must self-identify and provide appropriate documentation of their disability. Ideally, students will arrange an appointment before the start of their first semester. For additional information, please call Dr. Lisa Whitten, Director, OSSD at (516) 876-3009 (voice), (516) 876-3083 (TDD), (516) 876-3005 (fax) or whittenl@oldwestbury.edu. Our office is located in the New Academic Building, Room 2064.

Student Computing

Student computing at Old Westbury refers to a broad mix of resources. The College provides general access computing facilities, dedicated departmental labs, wireless access in most enclosed public spaces, high speed Internet access in our Residence Halls, and video conferencing. In addition, about half of our classrooms are equipped as presentation rooms with permanently mounted LCD projectors, Internet access and DVD/VHS players. General access labs are equipped with both black and white and color printers. All students are issued e-mail accounts once they register. This includes centralized storage space that can be accessed from all computers on campus. E-mail is Web based and can be accessed from anywhere in the world. Students also receive accounts on the College's course management system (currently Blackboard) which can be accessed from on or off campus.

Discipline specific computer labs include Visual Arts, Computer Science, Education, Graduate Accounting Program, and Natural Sciences. These labs are under the control of their respective departments and have specialized software as required for each major.

The Library is the principal general access computing facility on campus. These work stations are available on nights and weekends as well as during normal school hours. Additional work stations are available in the student union building.

International Study Abroad

The opportunity to participate in an overseas program is an important part of the academic offering at SUNY Old Westbury. Students may include in their degree programs, 2-3 week intensive courses, a summer, semester, or academic year of study in a foreign country. International study programs are sponsored by the various State University campuses. SUNY Old Westbury students may apply for admission to more than 500 overseas study programs in 50 different countries: in North and South America, Africa, Asia, Western and Eastern Europe, Australia and New Zealand. Courses are available in over 100 subjects, ranging from aboriginal studies and aerospace engineering to western philosophy and women's studies. While many programs focus on language learning and are conducted in the language of the host country, many others are conducted wholly or partly in English. Program structures vary from total immersion in a foreign university, to course instruction by foreign faculty, to courses taught by the SUNY faculty with expertise in a given subject area, to a combination of these structures.

SUNY Old Westbury currently offers international study abroad programs with the following overseas institutions:

- Austria - University of Applied Science Upper Austria in Steyr
- Barbados - University of the West Indies at the Cave Hill Campus
- China - Jinan University, Minzu University of China, Shandong University of Finance and Economics, Wuyi University
- France - Institute De Gestion Sociale in Paris
- Russia - State University of Management in Moscow
- South Korea - Gangneung - Wonju National University
- Spain - Universidad de Santiago De Compostela
- Taiwan - National Taiwan University of Science and Technology

Various types of financial aid, for which a SUNY Old Westbury student is eligible, may be applied to the cost of foreign study. Program deadlines vary, but six months' lead time is usually required to investigate and apply for foreign study programs. Information may be obtained from the Office of Academic Affairs, Campus Center Room H-410. Students must consult with their academic advisor before undertaking overseas study.

The Office of Enrollment Services at SUNY Old Westbury is always planning additional overseas programs. For more information, please stop by the Campus Center, Room I-210 or call (516) 876-3906. Emails are welcome at overseas@oldwestbury.edu.

LEARNING CENTERS

Math Learning Center

The Math Learning Center provides tutoring and advising for students taking mathematics courses, and encourages students to develop a deeper appreciation and interest in mathematics. Staffed by professional educators, the Mathematics Learning Center welcomes all students. It is located in Campus Center, Library, (516) 628-5622. Specific hours are announced each semester.

Writing Center

Campus Library, Room L-242

(516) 876-3093

<http://oldwestbury.mywconline.com>

The Writing Center offers free writing assistance and non-credit writing workshops for Old Westbury students, faculty, staff, and alumni. Students can walk-in or make advanced appointments to discuss their work in progress with a writing consultant. We help with writing for any course or academic occasion and welcome students from all disciplines and academic levels. We assist with all aspects of the writing process including understanding assignments and generating ideas, developing thesis statements, organizing, paragraphing, and communicating clearly at the sentence level. Both face-to-face and online assistance is available. In conjunction with academic departments and the Writing Across the Curriculum Program, the Writing Center promotes excellence in writing.

Women's Center

Student Union, Room 301K

(516) 628-5025

Director: Linda Camarasana, American Studies (516) 876-5024

The Women's Center is a resource center and safe space for the students, staff, faculty, and administration of Old Westbury. It has three main goals:

- To educate and empower women and men about issues of gender and sexuality, health and well-being, and achievement
- To raise awareness of and to reduce gender and sexual discrimination and violence
- To champion diversity, to advocate for equity, to build community, and to promote social justice

The Center sponsors presentations, workshops, and film series as well as housing a small lending library on such topics as sexual harassment, sexual assault, dating and domestic violence, stalking, equal pay, equal job opportunities, equal sports opportunities, general women's health and wellness, sexual health, stereotypes of gender and sexuality, LGBT issues, eating disorders, poverty, pregnancy, contraception and abortion, parenting, etc. It offers opportunities for student internships, service learning, volunteering and work study, and also provides resources and referrals on all of the above issues.

The Women's Center also works closely with Student Affairs, Counseling and Psychological Wellness Services, Career Planning and Development, Student Health Services, the First Year Experience Program, Residential Life, University Police, and the Nassau County Coalition Against Domestic Violence, to promote health and well-being.

Academic Support Facilities

The Campus Buildings

SUNY Old Westbury has a 604-acre campus with a variety of buildings and spaces to support the academic and personal growth of its students.

Academic & Administrative facilities:

- **Campus Center:** Academically, the Campus Center is home to the Visual Arts Department, a host of classrooms used by multiple departments across campus, the campus' television studios, and the Math Learning Center. Administratively, the building houses functions such as Admissions, Bursar, Educational Opportunity Program, Financial Aid, Information Technology, Registrar, and Residential Life. Along with the campus post office, the main Campus Dining Center is also located here, as is the Atrium Café.
- **Campus Library:** The Library, which overlooks expansive lawns from the L wing of Campus Center, is a process as well as a place, with librarians engaging faculty and students throughout the campus and with the internet delivering library services far from the physical library. The Library has more than 150,000 volumes, as well as over 130,000 electronic books which can be used anywhere, anytime. Online, full-text periodicals now number in the tens of thousands. There are over 2,000 DVDs, etc., as well as viewing facilities and presentation classrooms. The library has strong collections in Women's Studies and African American Studies. The Tamiment Library Radical Pamphlet Literature, Slavery Source Material, and Women's History Research Center Library are rich collections of microfilm for American history. Important databases in all our fields of study are available to students and faculty wherever they may be. Databases for research in business and accounting are especially strong. The library has a rapidly expanding Curriculum Materials Center for Teacher Education. There are more than 60 workstations and there is wireless internet throughout the building.

Quality access to quality material is not enough, especially in the rapidly changing electronic world. Librarians help students with generous, one-on-one consultations, as well as with phone, email and instant messaging assistance, in order to enhance research and computer skills. The librarians also provide a formal instruction component to many courses in which professor, librarian and students work together.

- **Natural Science Building:** Home to the Biological Sciences Department, Chemistry & Physics Department, and Public Health Department, the Natural Science building features a greenhouse, lecture hall, classrooms, and a multipurpose teaching laboratory. The building also houses several research laboratories used by faculty and student researchers. Available instrumentation includes GC, GC/MS, LC/MS, UV-VIS, FTIR, and NMR. The Natural Science Building is also home to the College's green roof project, an experiment in sustainable energy management.
- **New Academic Building:** When it opened in 2012, the NAB became the first college or university building in the local community to earn Gold status under the prestigious LEED program. The NAB serves as the main classroom building on campus, housing the School of Business, School of Education and a majority of the departments within the School of Arts and Sciences. Also located in the NAB are the Academic Advising Center, the Honors College and the Office of Services for Students with Disabilities. The NAB also includes computer labs for both classroom and general purpose uses.
- **Visual Arts Studios:** The Visual Arts Department is supported by the following class laboratory areas: drawing, sculpture and painting studio, electronic media: digital design studio and photography lab. The Amelie A. Wallace Gallery (described below) provides co-curricular support for the visual arts.

Arts & Athletic amenities:

- **Amelie A. Wallace Gallery:** The Amelie A. Wallace Gallery in the College's Campus Center exhibits paintings, sculpture, photographs, and mixed media by professional artists (including faculty) and students in the Visual Arts Department. Lectures and discussions with the exhibiting artists are scheduled in conjunction with the opening of shows in the Gallery.

The Gallery's three levels, connected by ramps, feature nearly three thousand square feet of exhibit space, plus track lighting that can be adjusted to highlight the displays. The center level opens onto an outdoor sculpture court that can be used to house outdoor displays. The entire facility is supported by two adjacent rooms for preparation and storage of exhibit materials.

- **Duane L. Jones Recital Hall:** The 336-seat Duane L. Jones Recital Hall is equipped with theatrical lighting, a large podium, excellent acoustics, and four dressing rooms. The Jones Recital Hall is located in the Campus Center.
- **F. Ambrose Clark Physical Education and Recreation Center:** The F. Ambrose Clark Physical Education and Recreation Center, named for industrialist and College at Old Westbury benefactor F. Ambrose Clark, is the headquarters for all athletic programs and activities at this institution. These include intercollegiate, intramural, and recreational athletics along with facilities needed to ensure that the college community is served accordingly.

Old Westbury's NCAA Division III athletic program competes in 13 intercollegiate sports including Men's Soccer, Women's Volleyball, Men's and Women's Cross Country, Men's and Women's Basketball, Men's and Women's Swimming, Baseball, Softball and Women's Lacrosse. Our intramural program encompasses popular activities available during the year including racquetball, basketball, co-ed volleyball, and dodgeball.

Other Clark Athletic Center features include an Olympic-quality, six-lane swimming pool, a 2,500-seat arena for basketball, volleyball or other programs, a fully equipped cardio room (w/ treadmills, stationary cycles, stair climbers and rowing machines), a weight room, locker room, and shower facilities. Baseball and softball facilities, two soccer/lacrosse fields, tennis, outdoor basketball and handball courts and miles of trails and roadway suitable for jogging are also included.

Schedules for facility use are available at the Clark Athletic Center or information is available by calling (516) 876-3241

- **Jackie Robinson Athletic Complex:** Named with the permission of the Robinson family after the legendary baseball figure, the complex includes both baseball and softball facilities.
- **John & Lillian Maguire Theater:** The Theater, which opened in fall 1983, is an intimate 400-seat proscenium house with a hydraulically operated orchestra lift, complete with a trapped stage, an associated 30-line fly house opening to 40-feet wide, and a 28 foot-high, curtained opening. The stage depth of 28 feet can be doubled by opening 30-foot-high doors to a 4,000 square foot backstage assembly area. Dressing rooms, offices, and shop and costume facilities surround the stage. There is also a black-box rehearsal/studio theater. Sophisticated light and sound controls are housed above the rear of the auditorium. The Maguire Theater is in the J-wing of Campus Center.
- **Panther Park:** Home to the Panther men's soccer, women's soccer and women's lacrosse teams, Panther Park is located in the center of campus, offering a natural turf field that puts student-athletes in the center of the action.

Campus Life & Residence Halls:

- **Student Union:** The hub of extracurricular activities is the Student Union, which features large meeting spaces, the College's Cyber Café, and offices for student government, clubs and organizations. Among the services found in the Union are the Office of Career Planning & Development, the Center for Student Leadership and Involvement, and the Office of Counseling and Psychological Wellness. Campus media outlets The Catalyst and OWWR web radio are also housed here. Dining options include the Panther's Den and the Campus Coffee Shop.
- **Woodlands Residence Halls:** Comprised of five residence halls, the Woodlands house approximately 900 students. Located just west of the NAB and Campus Center, the three-story structures offer oversized double-occupancy rooms that come complete with cable television service and internet access. Study-lounges are located on each floor of each building. Located within the Woodlands is the campus's Shop24 automated convenience store.

Other Services and Facilities

College at Old Westbury Alumni Association

The College at Old Westbury Alumni Association is a service organization with more than 600 members. The Association is self-governing, operating through an elected board of directors and officers. The president of the Association is a member of the Old Westbury College Council and the Old Westbury College Foundation, Inc.

To assist current students, the Association sponsors such activities and awards as career information panels, the annual Dr. Martin Luther King, Jr. Community Service Award to a graduating senior, four scholarships for undergraduate studies, and two student scholarships for graduate study. In addition, Association members lend their time and talents to many College-wide committees, and participate in Homecoming activities, job fairs, open houses, international festivals, new student orientations, convocations, and commencements. The Association also holds an annual awards dinner, which honors alumni of the College and Long Island community.

Members of the Association are entitled to audit courses without charge, (with instructor permission), use the College Library and, at a reduced rate, the F. Ambrose Clark Physical Education and Recreation Center. For information, call the Alumni Association Office at (516) 876-3140 or write the College at Old Westbury Alumni Association at SUNY Old Westbury, P.O. Box 210, Old Westbury, NY 11568-0210.

Alumni Class Auditing Program

Graduates of the State University of New York at Old Westbury may observe (audit) courses with permission of the instructor without payment of tuition and fees other than the parking fee. Permission to audit courses should be arranged directly with the instructor prior to the first day of classes. Interested alumni should obtain a copy of the class schedule on the website at www.oldwestbury.edu or through the Office of the Registrar.

Information Technology Services (ITS)

Information Technology Services (ITS) is the centralized umbrella group for technology on campus. The division directly maintains the general access computer facilities and provides secondary support to the departmental labs. It also maintains the administrative systems that support day to day College operations including desktops, the network infrastructure that provides Inter/Intranet access and the telephones. The Web based student registration system, E-mail, the course management system, campus wide computer accounts, network shared file space, web servers, are all maintained by this division. A state of the art operations center permits the staff to oversee most of the campus systems from a single location facilitating quick trouble shooting and fault isolation.

ACADEMIC DEPARTMENTS

SCHOOL OF ARTS AND SCIENCES

School of Arts and Sciences Administration:

Dean of the School of Arts and Sciences: Barbara Hillery
Assistant Dean of the School of Arts and Sciences: Cristina Notaro
American Studies: Andrew Mattson, *Chair*
Biological Sciences: Fernando Nieto, *Chair*
Chemistry and Physics: Judith Lloyd, *Chair*
English: Margaret Torrell, *Chair*
History and Philosophy: Judith Walsh, *Chair*
Mathematics, Computer and Information Sciences: Geta Techanie, *Chair*
Modern Languages: Ruben Gonzalez, *Chair*
Politics, Economics and Law: Kevin Ozgercin, *Chair*
Psychology: William Knack, *Chair*
Public Health: Martha Livingston, *Chair*
Sociology: Gilda Zwerman, *Chair*
Visual Arts: Patricia Harris, *Chair*

The School of Arts and Sciences offers the best of what has been called for over 2,000 years a “liberal education,” meaning a broad education undertaken for informed citizenship.

Every major in the School of Arts and Sciences promotes the following values: life-long learning; global citizenship; and social justice.

Life-Long Learning. The School wants to provide students with the capacity and desire to develop and learn throughout their lives. We urge students to take their formal education as an opportunity to gain personal qualities and habits of mind that will last a lifetime: self-examination and critical thinking; powers of analysis, judgment, and self-expression; empathy and ethical awareness; and a tolerance for ambiguity and complexity. The liberal arts have always prepared students for life-long engagement with civic and professional life, informed by a sure sense of values.

Global Citizenship. It is hard to stress too much the importance of understanding the international dimensions of modern life and thought. Learning to think and act as a citizen of the world—to understand and appreciate both diversity and our common humanity—is a powerful lesson in an increasingly global economy and culture.

Social Justice. Our emphasis on Social Justice is a reminder of our obligations to those around us; the connection between self and society is one of life's most enduring and challenging questions, and it plays out now in global dimensions. Both the College as a whole and School of Arts and Sciences encourage students to promote full citizenship for all in the College, community, and world.

The liberal arts degrees at Old Westbury provide a solid foundation for graduate studies and professional accomplishment in many fields. In a fast-changing global society, the adaptability linked to the liberal arts has never been more relevant or more in demand in the workplace.

AMERICAN STUDIES DEPARTMENT

Distinguished Service Professor: Laura Anker

Professors: Aubrey Bonnett, *Emeritus*; Amanda Frisken; Karl Grossman

Associate Professors: Jermaine Archer, John Friedman, Carol Quirke, Sujani Reddy, Denton Watson

Assistant Professors: Llana Barber, Laura Chipley, Jasmine Mitchell, Samara Smith

Instructors: Andrew Mattson, *Chair*

Lecturer: Joseph Manfredi,

American Studies is an interdisciplinary program which offers two degrees:

1. a Bachelor of Arts (B.A.) Degree in American Studies;
2. a Bachelor of Arts (B.A.) Degree in Media and Communications (see page 86).

THE MAJOR IN AMERICAN STUDIES

American Studies is an interdisciplinary liberal arts program. Courses in the program examine the history and culture of the United States, social and economic structure, forms of cultural expression, and political and legal institutions. These courses integrate history, sociology, literature, and media studies and are designed to encourage the development of critical thinking, debate and clear expository writing. American Studies courses emphasize the diversity of American Society and the experiences of ordinary life, paying particular attention to ethnic, gender, and other forms of social inequality. Courses examine institutions of power and control and the ways people attempt to change society.

Work in the program is designed to combine a liberal arts education with career preparation. The program also offers students the ability to develop a field of study in the following areas: U.S. History and Society, Media Studies, African American History and Culture and Women's Studies. Through its internship program, the major provides students with broad, flexible training appropriate to a wide array of jobs. The interdisciplinary course of study offered in the major provides useful preparation for graduate school and careers in education, media, law, government, and social work. The department expects that students, regardless of their career goals, will graduate with the knowledge and skills necessary to take constructive action for social change in their communities and workplaces, nation and the world.

Evening Students

American Studies offers a limited selection of courses in the evening. Completion of a major in American Studies requires daytime course attendance.

Transfer Students

An American Studies major can be completed in a two year period with appropriate planning. With an advisor's approval, a maximum of four courses will be accepted in transfer toward the 11 courses required for the major. Transfer students should note that AS2112-AS2122, The American People I-II are prerequisites for enrollment in 5000-level American Studies courses, as well as for a number of other American Studies courses. It is essential that these courses be taken in a transfer student's first year at Old Westbury if the expectation of completing the program in two years is to be met. These courses must be taken prior to the senior year.

Requirements for a Bachelor of Arts (B.A.) Degree in American Studies

(120 credits, 90 credits in liberal arts)

A. Liberal Education Curriculum

Refer to the Liberal Education Curriculum Bulletin for specific requirements.

B. Major Requirements 11 courses

1. AS2112-AS2122 The American People I-II (8 credits)

Note: These are prerequisites for enrollment in 5000-level American Studies courses. American Studies majors should complete these two courses as early as possible.

2. AS3100 American Studies Seminar 4 cr.

3. American Studies Elective Courses (24 credits)

Students may choose, from the following list, six courses. Only 2 courses at the 1000 or 2000 level can be counted toward the required 6 elective courses. The remainder must be 3000 level or above. Two of these courses must be at the 4000 level. American Studies students cannot receive credit towards the major for media production courses.

AS1152 Themes in U.S. History

AS1282 Introduction to African American Studies

AS1512 Introduction to Women's Studies
 AS2202 Contemporary U.S. Society
 AS2252 US Social Movement
 AS2262 African American History I
 AS2263 African American History II
 AS2300 Problems in US Environmental History
 AS2640 US Latina/o History
 AS2652 Media Studies
 AS2700 The Engaged Eye
 AS2750 Food
 AS2802 Introduction to Journalism and Media
 AS3222 Urban History
 AS3252 U.S. Social Movements
 AS3270 Africa in the Americas
 AS3310 From Citizen to Consumer
 AS3402 Women, Work and Careers
 AS3412 African-American Women's History
 AS3432 Women: Cultural Issues
 AS3462 History of Women in the U.S.
 AS3482 History of Love and Sexuality
 AS3622 Sports and Society
 AS3632 History of U.S. Film
 AS3712 American Film Genres
 AS3722 History of Mass Media
 AS3732 Politics of Media
 AS3735 Documentary Media Studies
 AS3742 Myths and Images in Film
 AS3745 Feminine and Masculine in Film
 AS3810 Music and Media
 AS3830 Public Relations and Society
 AS3842 African-Americans and the Mass Media
 AS3852 Women and the Media
 AS4160 Special Topics in Media Studies
 AS4170 Special Topics in American Studies
 AS4212 Early America
 AS4215 Critical Ideas in American History
 AS4218 Civil War and Reconstruction
 AS4222 The Emergence of Modern America
 AS4250 Immigration Today
 AS4252 Immigration History
 AS4253 Latino New York
 AS4280 Global Media
 AS4282 America in War and Peace: 1898 to 2001
 AS4283 America Between the World Wars
 AS4285 Vietnam and After
 AS4288 Contemporary U.S. Foreign Policy
 AS4290 Youth in America: A History
 AS4292 America Since WWII: 1945-1989
 AS4402 History of the Family in the U.S.
 AS4420 History of New York City and State
 AS4432 History of the Women's Movement
 AS4435 Woman of Color Feminisms
 AS4715 African-American Thought and Culture
 AS4722 Film: Ideas and Aesthetics
 AS4725 The Photograph and American Culture
 AS4732 Political Film
 AS4850 Digital Revolution
 AS9990 Independent Study

4. In-Depth Experience (4 credits)

AS4202 Internship in Government and Community
 American Studies majors are encouraged to plan an internship, in consultation with a faculty advisor, with one of the College's many community, government and/or non-profit partners. Students who prefer may choose instead to complete an independent study with major research paper, or an additional 4000-level American Studies elective course.

5. Capping courses (8 credits)

Two of the following (Senior Level):

AS5000 Topics in U.S. History in Global Perspective
 AS5112 American Voices
 AS5200 Environmental Journalism
 AS5212 Narrative and History
 AS5312 History of U.S. Culture
 AS5350 History of the Slave Narrative
 AS5412 Protest and Change
 AS5420 Propaganda and Mass Persuasion
 AS5712 Mass Media and Popular Culture
 AS5800 Research in American History and Culture
 AS5862 The Journalist as Creative Writer

C. General Electives

In consultation with Academic Advisor

Program Policies

1. All American Studies majors should see an advisor at least once a semester.
2. Only one grade of D+ or D- will be accepted toward the major. Students must request this inclusion from the Chair of American Studies.
3. A minimum GPA of 2.0 must be achieved in the major.
4. Only two 1000 or 2000 level courses, beyond AS2112/2122 American People I/II, will be counted toward the major.
5. In order to qualify for independent study, students must have sophomore standing and a B (3.0) average. Only 4 credits of independent study will be counted toward the major.
6. Only 4 credits of internship can be applied toward the major.
7. No media production courses (noted in the course descriptions in the catalog by asterisk*) can be counted toward the American Studies major, but they may be used as free electives.
8. Only four courses can be transferred from another college or university and accepted for credit toward the major.
9. In general, 4000 and 5000 level courses will NOT be taught during the summer sessions.
10. All students in their junior year should make an appointment with the chair to make sure that they are on track for graduation.

BIOLOGICAL SCIENCES DEPARTMENT

Distinguished Teaching Professor: Rita Colon-Urban

Professors: Fernando Nieto, *Chair*,

Associate Professors: Patrick Cadet, Manya Mascareno, Stephen Pryor

Assistant Professor: Shaadi Mehr

Visiting Instructor: Shilpi Paul

Staff Laboratory Manager: Judith Johnson

Laboratory Technicians: Chris Olsen, Rita Reddy

Lecturers: Eric Schwartz, Maria Zulema Cabail

The Biological Sciences program of study leads to either a Bachelor of Science (B.S.) or a Bachelor of Arts (B.A.) degree in Biology. This program offers the basic courses for students whose career plans include the biological sciences, premedical and pre-professional training and secondary education (B.S. in Biology), public policy or environmental studies (B.A. in Biology). Students interested in secondary education should refer to the certification requirements in the teacher education program. The department also offers an MAT in Biology. The Biological Sciences Department incorporates an innovative, multidisciplinary approach to problem-solving in biology. It combines a strong research orientation in the basic sciences with a concern for health and environmental problems. It offers excellent preparation for professional and research careers concerned with the educational needs of the entire Long Island community.

Liberal Education Curriculum

Students who are not majors in Biological Sciences may select biology to fulfill the science domain in Liberal Education Curriculum. This domain requires students to take at least one laboratory based course. The designated course for this purpose is Biology for Non-Majors (BS2100).

Evening Students

The department currently offers selected lower- division and upper- division required courses in the evening.

Transfer Students

To be accepted in the department, all transfer students must provide a transcript to their advisor before enrolling in any course. Transfer students who will be majoring in Biology must have earned a minimum grade of C in each Basic Biology course in order to register for upper division classes. If students have satisfactorily completed basic and area course requirements elsewhere, they must, in consultation with an advisor, select an appropriate program of study and complete a minimum of 5 upper division electives, which includes at least one course in each of the three required areas of study. (See degree requirements.)

Requirements for Entry into Basic Biology I and II (BS2400-2410)

In order to register for BS2400-2410 a student must have completed the following prerequisites: EC II placement and MA 1020 (College Algebra).

Upper Division Requirements

A grade of D may be accepted for graduation in a maximum of two of the courses in a related field. However a grade of C or better is required in both lower and upper division biology courses in order to be credited for graduation.

Undergraduate Research Opportunity Programs

The Biological Sciences Department offers research opportunities for qualified undergraduate students. Students with a strong academic record and an interest in research are encouraged to work with one or more of the biological sciences faculty on selected laboratory projects.

The following topics represent the research interest of the Biological Sciences faculty:

Zulema Cabail: Cell signaling mechanisms.

Patrick Cadet: Neurobiology, Opioid Neurobiological Mechanisms and Neuroimmunology of invertebrates

Rita Colon-Urban: Microbiology: Mechanisms of Antibiotic Resistance

William Gillis: Developmental Biology

Shaadi Mehr: Bioinformatics and Genomics

Manya Mascareno: Cancer: Cell Biology and Gene Expression Changes

Fernando Nieto: Microbial Ecology

Shilpi Paul: Yeast Genetics and Epigenetics.

Stephen C. Pryor: Environmental Health, Biochemical Genetics of Mosquitoes, Effects of Parasitic Infection on Behavior of Hosts

Virgilija Remeza: Microbiology, Molecular Genetics

Currently, the research programs are supported as follows:

The Old Westbury Neuroscience Research Institute

Director, Patrick Cadet, Ph.D.

The Institute For Cancer Research and Education

Director, Manya Mascareno, Ph.D.

1. NIH Academic Research Enhancement Award (R25)

2. New York State Department of Health

These research opportunities provide financial support to qualified students.

Requirements for a Bachelor of Arts (B.A.) Degree in Biological Sciences

(Total Credits Required 120)

A. Liberal Education Curriculum

Refer to the Liberal Education Curriculum Bulletin for specific requirements.

B. Departmental Requirements 64 credits

BS2400-BS2401	Basic Biology I with Lab
BS2410-BS2411	Basic Biology II with Lab
BS5410-5420	Seminar I: Reading in the Discipline/ Seminar II: Writing in the Discipline (2 semesters)

Six upper-division biology courses as follows:

1. At least one course chosen from each of the following areas:

a. Cellular-Molecular area:

BS4400	Cell Biology
BS4460	Genetics

b. Organismic area:

BS3400	Vertebrate Physiology
BS3520	Comparative Anatomy

c. Population area:

BS4440	Evolution
BS4470	Ecology

2. Three courses chosen from the following Biology electives:

BS2490	Environmental Science
BS3400	Vertebrate Physiology
BS3450	Plant Biology
BS3510	Parasitology
BS3520	Comparative Anatomy
BS3530	Comparative Genomics
BS3531	Comparative Genomics Lab
BS3710	Environmental Physiology

BS3810	Biological Aspects of Aging
BS4400	Cell Biology
BS4410	Histology
BS4420	Microbiology
BS4430	Developmental Biology
BS4440	Evolution
BS4460	Genetics
BS4461	Immunology
BS4470	Ecology
BS4471	Freshwater Ecology (Limnology)
BS4474	Microbial Ecology
BS4480	Animal Behavior
BS4491	Human Ecology
BS4500	Cell and Molecular Neurobiology
BS4550	Cancer Cell Biology
BS4560	Molecular Biology
BS4651	Toxicology
BS4680	Environmental Health
BS5590	Advanced Research
BS5591	Environmental Research
CP4510	Biochemistry

3. MA2090 Precalculus (Calculus, Statistics or Computer Science recommended)

4. CP2220-2221 Structure of Physics I (with Lab)

5. CP2120-2121 & 2130-2131 Principles of Chemistry, I, II (with Labs) if additional Chemistry courses are planned

6. 8 credits in foreign language or computer science

7. Additional Recommended Courses. Electives may be chosen with an advisor to meet the specific interests of particular students.

Electives in other programs should be chosen to cover a broad range of subject areas; advisors will assist students in selecting the most appropriate courses. These electives cannot be used in substitution of a biology elective course from section d.

C. General Electives

In consultation with Academic Advisor

Requirements for a Bachelor of Science (B.S.) Degree in Biological Sciences

(Total Credits Required 120)

A. Liberal Education Curriculum

Refer to the Liberal Education Curriculum Bulletin for specific requirements.

B. Departmental Requirements 66 credits

- BS2400-BS2401 Basic Biology I with Lab
 - BS2410-BS2411 Basic Biology II with Lab
 - CP2120-2121 &
CP2130-2131 Principles of Chemistry I-II
(with Labs)
 - CP2220-2221 &
CP2230-2231 Structure of Physics I-II (with Labs)
 - OR**
 - CP2240-2241 &
CP2250-2251 General Physics I-II (with Labs)
 - CP3300-3302 &
CP3310-3312 Organic Chemistry I-II (with Labs)
 - BS5410-5420 Seminar I: Reading in the
Discipline/Seminar II: Writing in the Discipline
 - MA2310 Calculus and Analytic Geometry
- A grade of D may be accepted toward graduation in two of the required courses in Chemistry/Physics or Math.

Six upper-division biology courses as follows:

1. At least one course chosen from each of the following areas:

- | | | |
|-----------|------------------------------|-----------------------------|
| a. | | Cell-Molecular area: |
| | BS4400 Cell Biology | |
| | BS4460 Genetics | |
| b. | | Organismic area: |
| | BS3400 Vertebrate Physiology | |
| | BS3520 Comparative Anatomy | |
| c. | | Population area: |
| | BS4440 Evolution | |
| | BS4470 Ecology | |

2. Three courses chosen from the list of Biology electives

3. Completion of BS2400-BS2410 Basic Biological Sciences I and II with a grade of C or better is a prerequisite for upper-division biology courses. A grade of C or better is required in each biology course in order to be credited for graduation.

4. A student may not repeat any Biology course more than one time.

C. General Electives

In consultation with Academic Advisor

Biology Electives

- BS3400 Vertebrate Physiology
- BS3450 Plant Biology
- BS3500 Invertebrate Zoology
- BS3510 Parasitology
- BS3520 Comparative Anatomy
- BS3530 Comparative Genomics Lect.
and BS 3531 Comparative Genomics Lab
- BS3710 Environmental Physiology
- BS3810 Biological Aspects of Aging
- BS4400 Cell Biology
- BS4410 Histology
- BS4420 Microbiology
- BS4430 Developmental Biology
- BS4440 Evolution
- BS4460 Genetics
- BS4461 Immunology
- BS4470 Ecology
- BS4471 Limnology
- BS4473 Tropical Marine Biology
- BS4474 Microbial Ecology
- BS4480 Animal Behavior
- BS4491 Human Ecology
- BS4500 Cell and Molecular Neurobiology
- BS4550 Cancer Cell Biology
- BS4560 Molecular Biology
- BS4651 Toxicology
- BS5590 Advanced Research
- BS5591-BS5592 Environmental Research
- CP4510 Biochemistry

Environmental Studies and Ecology

For students interested in the environment and ecology, the Biological Sciences Department offers a minor in Environmental Studies. Students should meet with an advisor for guidance in selecting electives and preparing their senior project.

A B.S. degree with this emphasis will prepare a student for advanced laboratory research in environmental biology while a B.A. degree with this emphasis is designed for students more interested in administering environmental programs. Direct participation in environmental agencies and organizations on Long Island or independent laboratory research on an environmental problem is an important aspect of this emphasis.

Middle Childhood and Adolescence Education Option

Middle childhood and adolescence education degrees are available for students planning a career teaching biology. By completing all requirements listed under Teacher Education in this catalog, students majoring in Biological Sciences satisfy all requirements for New York State initial certification in either middle childhood education (grades 5-9) or adolescence education (grades 7-12). Students must secure an advisor in both Teacher Education and Biological Sciences. (Refer to "Advisement" section under Teacher Education.)

CHEMISTRY AND PHYSICS DEPARTMENT

Distinguished Teaching Professor: Robert M. Hoyte

Distinguished Service Professor: Henry Teoh

Professors: Barbara Hillery, Judith Lloyd, *Chair*, Konrad Wu

Associate Professors: Michael Colaneri, Fernando Espinoza
Ruomei Gao, Duncan Quarless

Assistant Professors: Bright Emerlike, Youngjoo Kim

Visiting Associate Professor: Camille Jones, Steve Samuel

Laboratory Manager: Judith Johnson

Laboratory Technician: Jianli Zheng

CHEMISTRY AND PHYSICS DEPARTMENT MISSION STATEMENT

The mission of the Chemistry and Physics Department is to provide a sound, broadly-based foundation in chemistry and physics to enable graduates to perform effectively in the chemical industries, graduate and professional school, and other work environments. Along with this foundation, the department's learning outcomes focus on the development of students' critical thinking and communication skills. In keeping with the College's social justice mission, we strive to accomplish these goals through close interaction between students and faculty, and by creating a learning environment that is welcoming to all.

THE MAJOR IN CHEMISTRY

The Chemistry major is intended to serve three student constituencies: (1) first time to college and lower division transfer students; (2) transfer students who have earned either an Associate of Arts, Associate of Science, or Associate of Applied Science degree; (3) non-matriculated students wishing to complete courses in chemistry to further career or personal goals. Since this student clientele will vary greatly in ability, preparation, and goals, the program is designed to have substantial flexibility. This flexibility is accomplished by offering two degree options: the Bachelor of Arts (B.A.) degree and the Bachelor of Science (B.S.) degree.

The B.A. degree program requires fewer courses in chemistry than the B.S. program, leaving greater freedom for selection of courses in other areas, e.g., the biological sciences and liberal arts. This frequently is the preferred route for students preparing for entry into the health professions, as well as for students seeking opportunities in public school education or direct employment in scientific industries.

The B.A. degree in Chemistry is the logical option for those who wish to prepare for postgraduate study in medicine, dentistry, other health professions, law, and related professions.

The B.S. degree program is the recommended program for students planning graduate study in chemistry. It also prepares graduates for baccalaureate careers in the chemical sciences, and scientific positions related to the

environment, energy, and health professions. In contrast to the B.A., the B.S. degree requires more course work in chemistry and mathematics.

THE MAJOR IN BIOCHEMISTRY

The Biochemistry major is also intended to serve the three student constituencies identified above for the chemistry major, but will appeal to students whose interests overlap the fields of chemistry and biology. The B.S. degree program in Biochemistry is designed to prepare students for careers in biotechnology and scientific work in emerging fields at the interface of biology and chemistry. It is a highly interdisciplinary curriculum that also prepares students for graduate study in biochemistry and related fields such as molecular and cellular biology. In addition, the Biochemistry major provides excellent preparation for students intending to seek entry into medical, dental, and other health professional schools.

OTHER SERVICES

In addition to its degree-granting role, the Chemistry/Physics Department provides vital support both to science majors in fields other than chemistry and to non-science majors. The Department offers courses which appeal to broad segments of the college community, and provides non-science majors with the scientific concepts needed to function effectively in today's society.

AMERICAN CHEMICAL SOCIETY CERTIFICATION

For those who wish to continue their education on the graduate level, an optional program based on recommendations of the American Chemical Society's Committee on Professional Training has been designed as an integral extension of the B.S. degree programs.

This optional curriculum has received full certification from the American Chemical Society (ACS). Students who complete the ACS approved program will be awarded an ACS certified B.S. degree in chemistry or in Biochemistry.

TRANSFER STUDENTS

The Chemistry and Biochemistry majors are designed to articulate with a typical community college program. Transfer students who have followed a science curriculum at a two-year college, including one year each of introductory chemistry, organic chemistry, calculus and physics can expect to complete the chemistry major in two years. Transfer students must complete at least 18 credits of CP courses at or above the 3000 level at Old Westbury.

PHYSICS COURSES

The Chemistry/Physics Department also offers courses in physics and physical science. The motivating philosophy for these courses is to provide the student with a broad background in the fundamental laws and principles of physics and mathematical physical sciences for work in biological science, chemistry, physics, engineering, mathematics, teacher education, business, computer and information sciences, and health-related fields. It is not possible to earn a degree in Physics at this time.

EVENING STUDENTS

At the present time, it is not possible to earn a degree in Chemistry or Biochemistry by attending classes only during the evening.

Competency Requirement for Graduation with a Degree in Chemistry or Biochemistry

Students must achieve a 2.0 average in core requirements taken at Old Westbury.

Policy on Repeated Courses

No CP course may be taken more than three times. Students who are not successful after the third attempt in a course will be counseled out of the major.

Requirements for a Bachelor of Arts (B.A.) Degree in Chemistry

A. Liberal Education Curriculum

Refer to the Liberal Education Curriculum Bulletin for specific requirements.

B. Core Requirements

(include 1 Chemistry elective) 51 credits (minimum)

CP2120	Principles of Chemistry I	3
CP2121	Principles of Chemistry I Lab	1

CP2130	Principles of Chemistry II	3
CP2131	Principles of Chemistry II Lab	1
CP3300	Organic Chemistry I	3
CP3302	Organic Chemistry I Lab	2
CP3310	Organic Chemistry II	3
CP3312	Organic Chemistry II Lab	2
CP3400	Analytical Chemistry	5
CP4700	Physical Chemistry I	3
CP4710	Physical Chemistry II	3
CP4720	Physical Chemistry Lab	2
OR		
CP4520	Biochemistry Lab	2
CP5920	Senior Seminar I	1
CP5921	Senior Seminar II	1
CP2220	Structure of Physics I	3
OR		
CP2240	General Physics I	3
CP2221	Structure of Physics I Lab	1
OR		
CP2230	Structure of Physics II	3
CP2241	General Physics I Lab	1
OR		
CP2250	General Physics II	3
CP2231	Structure of Physics II Lab	1

OR		
CP2251	General Physics II Lab	1
MA2310	Calculus I	4
MA2320	Calculus II	4

**Chemistry Electives
(at least one of the following) 2-5 credits**

CP3230	Mathematical Methods in the Physical Sciences	3
CP4320	Advanced Organic Chemistry	3
CP4510	Biochemistry I	3
CP4515	Biochemistry II	3
CP4520	Biochemistry Lab	2
CP4720	Physical Chemistry Lab	2
CP4800	Advanced Chemical Methods	5
CP5500	Advanced Topics in Chemistry	3
CP5600	Advanced Inorganic Chemistry	3
CP5900	Research	2-4
CP9990	Independent Study in Chemistry/Physics	2-4

C. General Electives
In consultation with Academic Advisor

Total Credits Required: 120

¹ No more than 4 credits of research can be counted toward satisfying elective requirements and no more than 8 credits toward degree requirements.

Requirements for a Bachelor of Science (B.S.) Degree in Chemistry

A. Liberal Education Curriculum

Refer to the Liberal Education Curriculum Bulletin for specific requirements.

B. Core Requirements (include 3 Chemistry electives) 64 credits (minimum)

CP2120	Principles of Chemistry I	3
CP2121	Principles of Chemistry I Lab	1
CP2130	Principles of Chemistry II	3
CP2131	Principles of Chemistry II Lab	1
CP3300	Organic Chemistry I	3
CP3302	Organic Chemistry I Lab	2
CP3310	Organic Chemistry II	3
CP3312	Organic Chemistry II Lab	2
CP3400	Analytical Chemistry	5
CP4700	Physical Chemistry I	3
CP4710	Physical Chemistry II	3
CP4720	Physical Chemistry Lab	2
CP4800	Advanced Chemical Methods	5
CP5920	Senior Seminar I	1
CP5921	Senior Seminar II	1
CP2240	General Physics I	3
CP2241	General Physics I Lab	1
CP2250	General Physics II	3
CP2251	General Physics II Lab	1
MA2310	Calculus I	4
MA2320	Calculus II	4
MA3330	Calculus III	4

or		
MA4360	Differential Equations	4
or		
CP3230	Mathematical Methods in the Physical Sciences	3

Chemistry Electives (at least three of the following) 7-11 credits

CP3230	Mathematical Methods in the Physical Sciences	3
CP4320	Advanced Organic Chemistry	3
CP4490	Biochemistry for Life Science	3
CP4510	Biochemistry I	3
CP4515	Biochemistry II	3
CP4520	Biochemistry Lab	2
CP5500	Advanced Topics in Chemistry	3
CP5600	Advanced Inorganic Chemistry	3
CP5900	Research ¹	2-4
CP9990	Independent Study in Chemistry/Physics	2-4

C. General Electives

In consultation with Academic Advisor

Total Credits Required: 120

Requirements for a B.S. Degree in Chemistry with American Chemical Society Certification

To be eligible for ACS Certification, students must complete all requirements for the B.S. Degree in Chemistry with one of the three electives being Biochemistry I (CP4510). Of the remaining two electives, one must be chosen from among CP3230, CP4320, CP4515 or CP5600. Research (CP5900, 4 credits) as an elective for ACS Certification must include a comprehensive and well-documented research report. No more than 4 credits of research will count toward the ACS certification.

Requirements for a Bachelor of Science (B.S.) Degree in Biochemistry

A. Liberal Education Curriculum

Refer to the Liberal Education Curriculum Bulletin for specific requirements.

B. Core Requirements

72 credits

CP2120	Principles of Chemistry I	3
CP2121	Principles of Chemistry I Lab	1
CP2130	Principles of Chemistry II	3
CP2131	Principles of Chemistry II Lab	1
CP3300	Organic Chemistry I	3
CP3302	Organic Chemistry I Lab	2
CP3310	Organic Chemistry II	3
CP3312	Organic Chemistry II Lab	2
CP3400	Analytical Chemistry	5
CP4700	Physical Chemistry I	3
CP5920	Chemistry Senior Seminar I	1
CP5921	Chemistry Senior Seminar II	1
CP4510	Biochemistry I	3
CP4515	Biochemistry II	3
CP4520	Biochemistry Lab	2
BS2400	Basic Bio Sciences I w/ Lab	4
BS2410	Basic Bio Sciences II w/ Lab	4
BS4400	Cell Biology	4
BS4460	Genetics	4
BS4560	Molecular Biology	4
CP2220	Structure of Physics I	3
or		
CP2240	General Physics I	
CP2221	Structure of Physics I Lab	1
or		
CP2241	General Physics I Lab	

CP2230 Structure of Physics II 3

or

CP2250 General Physics II

CP2231 Structure of Physics I Lab 1

or

CP2251 General Physics II Lab

MA2310 Calculus I 4

MA2320 Calculus II 4

Electives

(at least 2 of the following)

4-9 credits

CP3230 Math Methods in Phys. Science 3

CP4320 Advanced Organic Chemistry 3

CP4710 Physical Chemistry 3

BS3400 Vertebrate Physiology 4

BS4550 Cancer Cell Biology 4

BS6750 Biological Pharmacology 3

CP4720 Physical Chemistry Lab. II 2

CP4800 Advanced Chemical Methods 5

CP5500 Advanced Topics in Chemistry 3

CP5900 Research 2-4

CP9900 Independent Study in Chem./Phys 2-4

BS4420 Microbiology 4

BS4461 Immunology 4

BS4500 Cell and Molecular Neurobiology

C. General Electives

In consultation with Academic Advisor

Total Credits Required: 120

Requirements for a B.S. Degree in Biochemistry with American Chemical Society Certification

To be eligible for ACS Certification, students must complete all requirements for the B.S. Degree in Biochemistry with the added requirements of completion of Physical Chemistry II (CP4710) and Advanced Chemical Methods (CP4800). Research (CP5900) may not substitute for any requirements for purposes of ACS certification.

Middle Childhood and Adolescence Education Option

Middle Childhood and Adolescence Education degrees are available for students planning a career teaching chemistry. By completing all requirements listed under School of Education in this catalog, students majoring in Chemistry satisfy all requirements for New York State initial certification in either Middle Childhood Education (grades 5-9) or Adolescence Education (grades 7-12). Students must secure an advisor in both School of Education and Chemistry. (Refer to "Advisement" section under School of Education.)

ENGLISH DEPARTMENT

Professors: Christopher Hobson, Mervyn Keizer

Associate Professors: Linda Camarasana, Nicholas Powers, Margaret Torrell, *Chair*

Assistant Professors: Jacqueline Emery, Amara Graf

Visiting Assistant Instructor: Jessica Williams

Visiting Instructor: Danielle Lee

Bachelor of Arts (B.A.) Degree in English

The English Department houses Old Westbury's Writing Program and offers the Bachelor of Arts Degree in English.

The B.A. in English provides majors with a cutting-edge curriculum in the study of multicultural and world literature, advanced writing and research, and critical thinking and analysis. The English program rigorously cultivates skills in literary analysis, careful reading, and advanced writing through a multicultural and global literary framework. Building on common foundations, this degree offers two upper-level specializations: Multicultural U.S.-British Literature and World Literature.

The English major is designed to give students:

- Knowledge of the main themes, historical/social backgrounds, periods of development, and genres of British/U.S. and European/World Literature, with specific knowledge of the multicultural and intercultural content of those literatures
- Ability to interpret literary texts with regard to themes, form, genre affiliations, and social/cultural reference
- Mastery of English writing skills, including the ability to construct large-scale interpretive-analytical papers that are proficient in grammar, expression, discussion of literary scholarship, and discipline-specific (MLA) documentation
- Ability to synthesize and integrate knowledge from different courses into an overall conception of the development and importance of Multicultural or World Literature

At the **Foundations** level, requirements recognize the importance of firm grounding in Language Arts and Literary Interpretation. These emphases correlate with stress on skills foundations in current pedagogy. The **Linguistic Foundations** requirement recognizes the centrality of strong training in the history and structure of language as well as the formal grammar of English.

The **Literary Analysis** requirement offers training in literary interpretation, close reading, knowledge of literary genres, social and historical contextualization of literature, and literary theory, today a sine qua non of competitive literature degrees.

A three-course sequence in **Literary Traditions** includes historical surveys of British, U.S., European, and World literature and selected courses in classical foundations, genres, and such recent topics as postcolonialism.

The **Multicultural U.S./British Literature Specialization** is rooted in recent trends in literary theory and interpretation, which view U.S./British literature as expressing diverse national, cultural, and gender perspectives within a common tradition. Multicultural U.S./British Literature includes texts from both the U.S. and U.K. by writers of different ethnicities, genders, sexualities, classes, and ability/disability status. Multicultural literature focuses on the complexity of two countries in which people of many different cultures cohabit. Such fields as African American Literature, Multi-Ethnic Literatures of the United States, Women's Literature, and Lesbian and Gay Literature, increasingly prominent in English studies since 1990, form the core of this specialization. This specialization enhances the competitiveness of students applying to graduate English programs or continuing to a variety of careers.

The **World Literature Specialization** studies literature in English from outside the U.S./U.K. as well as other literatures in translation. This specialization speaks to the increasing integration of international literary culture and to an increasing emphasis on global culture. It is directly relevant to the sizeable number of Old Westbury students from postcolonial English speaking cultures and to others with an interest in world culture. It helps prepare students for graduate study in such fields as Postcolonial Studies, the Literature of the African Diaspora, and others, and for varied careers.

The **Senior Seminar** requirement offers an integrated capstone experience for students in this degree program. The Senior Seminar requirement begins with **Senior Seminar I—Research and Writing**, an intensive preparation for the Senior Thesis including study of advanced research methods, seminar presentations, and a semester-length writing project. **Senior Seminar II—Thesis** provides a semester-long thesis writing project with a common curriculum of reading and research.

The English Department offers co-curricular, community-building activities and systems of support for our majors through individual academic advising sessions; student publications and conferences; and workshops, poetry readings, and career networking sessions. The Department publishes *Harmonia*, a creative writing journal, and *Discordia*, a literary scholarship journal open to all Old Westbury students. An annual Student Conference on Language and Literature encourages students to present their own papers. Majors have opportunities to earn course credit as peer mentors and as peer tutors. Internships place students in legal, cultural and publishing venues under the supervision of professionals.

The B.A. Degree in English program prepares majors for entrance into graduate school as well as for employment in fields that require strong proficiency in communication, writing, critical analysis, and intercultural understanding. Our graduates work in fields such as publishing, banking, education, business, library sciences, teaching, and law. Our graduates have continued their education, pursuing graduate degrees in English, Education (including Old Westbury's Master of Arts in Teaching English Language Arts 7-12), Library Science, Business Law, and other fields of study.

The English Department is equally dedicated to developing the language arts skills of Old Westbury students (including writing, revising, reading, researching, information management, public speaking, and critical thinking) through our offerings of English Composition I and II.

Faculty value involvement in campus life and reflect the College's mission to promote "intercultural understanding" and to "build a more just world" in our approaches to teaching, service work, and professional development projects.

Evening Students

At this time, completing the major requires predominantly daytime attendance.

Transfer Students

Students can complete the major in a two-year period. Up to twelve transfer credits may apply toward the forty-four credits required for the major.

Requirements for a B.A. Degree in English

(120 credits, 90 in liberal arts):

A. Liberal Education Curriculum

Refer to the Liberal Education Curriculum Bulletin for specific requirements.

B. Major Requirements:

All students in the major take a set of platform courses (levels 1 - 3) and complete the Senior Seminar sequence (level 5). Students choose one of two specializations, **U.S. -British Multicultural Literature or World Literature**, at level 4. Summaries of the areas and credits are as follows:

Prerequisites: EMS for all courses at 3000 level or above.

Distribution Requirements:

(a) At least 2 courses primarily in literature written before 1800 (for the U.S., 1900)

(b) At least 1 course in each of: British Literature; U.S. Literature; and World Literature. Either EL3500 or 3510 may be used to satisfy the British or U.S. Literature requirement, but not both.

Grade Requirement:

A maximum of one grade of C-, and no grade below C-, may be counted toward satisfying the Major requirements.

Note: *Not all courses are offered in any semester.*

Consult course descriptions and online class schedules.

B.A. in English

44 credits

- | | |
|---------------------------|------------|
| 1. Linguistic Foundations | 4 credits |
| 2. Literary Analysis | 8 credits |
| 3. Literary Traditions | 12 credits |
| 4. Specializations | 12 credits |

a. U.S.-British Multicultural Literature

b. World Literature

- | | |
|-------------------|-----------|
| 5. Senior Seminar | 8 credits |
|-------------------|-----------|

Structure and Sequence of Courses:

1. Linguistic Foundations (choose one):

EL3010 Structure and Grammar of English

2. Literary Analysis (choose two):

EL3500 Literature Across Cultures I: Analysis and Interpretation

EL3510 Literature Across Cultures II: Theory

EL4400 Critical Theory

3. Literary Traditions (select one From Group A, one from Group B, and one from Group A, B, or C)

A. British and U.S. Literature:

EL3600 US Literature I: Colonial Period to Civil War

EL3610 US Literature II: Civil War to Present

EL3800 English Literature I: Beowulf to 18th Century, inclusive of Shakespeare

EL3810 English Literature II: Romantics to Present

B. World Literature:

- EL3560 Literatures of Europe Part I
- EL3561 Literatures of Europe Part II
- EL3700 Survey of World Literature

C. Genres and Traditions, Multicultural and World Literature:

- EL3950 Creative Non-Fiction
- EL4200 Biblical-Classical Influences on Multicultural Literature
- EL4300 20th - Century Literature: Colonialism and Postcolonialism
- EL4311 Greek Drama
- EL4312 Greek Mythology
- EL4325 Shakespeare: Selected Plays
- EL4402 Sin and Sexuality in Literature
- EL4500 Topics in British/US Literature
- EL4510 Modern Drama and Theater
- EL4540 Epic: East and West

4. Specializations: Choose Multicultural U.S.-British Literature OR World Literature**Multicultural U.S.-British Literature Specialization:****A. Electives. Choose any two from these groups: British/U.S. Literature**

- EL4030 Women and Narrative
- EL4050 Lesbian and Gay Literature
- EL4060 Literature of Class and Class Consciousness
- EL4080 Extraordinary Bodies: Disability in Literature

U.S. Literature

- ML3410 Latino Writers in the US
- EL3811 Survey of African American Literature
- EL4000 Native American Literature
- EL4010 Harlem Renaissance

- EL4015 Multi-Ethnic Literatures of the United States
- EL4020 Asian American Literature
- EL4040 Black Women Writers
- EL4070 Topics in African American Literature
- EL4090 African American Novel
- EL4091 African American Poetry and Plays
- EL4405 Caribbean Literature

British Literature

- EL4550 Modern English Literature 1890-1960
- EL4560 Multicultural British Literature Since 1960

B. Required for all students in the specialization:

- EL4800 Major Authors

World Literature Specialization:**Note: Non-English Literatures are read in translation.****A. Surveys—Choose one:**

- EL3865 Literature of Asia
- EL3870 Literatures of Africa
- EL/ML3880 Masterpieces of Hispanic Literature

B. Electives—Choose two:

- EL4405 Caribbean Literature
- EL4600 Literature of India
- EL4630 Latin American Literature
- EL4640 French Literature
- EL4650 Literature of Russia and Eastern Europe

5. Senior Seminars

- EL5000 Senior Seminar—Research and Writing¹
- EL5010 Senior Seminar—Thesis

C. General Electives: In consultation with academic adviser, for a total of 120 credits.

¹Prerequisite for EL5000: EMS, Senior Standing. Prerequisite for EL5010: EMS, Completion of EL5000.

Courses in Composition

The Department of English offers a range of courses in composition. All courses are designed to develop facility in reading and writing and to sharpen critical thinking, listening, oral communication, research and study skills. These English courses fulfill SUNY-mandated General Education requirements in Basic Communication as well as the two-course Old Westbury collegewide Writing requirement. English Composition I: Exposition, EL1000, concentrates on language development and rhetorical models. For English Composition II: Argumentation/Literary Perspectives, the Department offers a diverse set of thematically organized courses numbered between EL2200 and EL2299. These courses offer further training in expository writing and introduce students to research skills and scholarly documentation. All EL2200-2299 courses train students in the same skill sets, while offering variety in literary focus. EL1000 and 2200-2299 also fulfill SUNY-mandated assessment requirements in Oral Communication, Information Management, and Revision.

A grade of C or better is required to pass EL1000 and EL2200-2299.

Basic English and English for Speakers of Other Languages

The College no longer offers courses in Basic English. The Department periodically offers courses in English for Speakers of Other Languages for international students.

Liberal Education Curriculum Courses

Most but not all courses above the 2200 level courses fulfill Liberal Education Curriculum Domain requirements in the areas of Humanities and/or Diversity. Consult the Liberal Education Curriculum Bulletin or speak with a Department adviser for guidance.

Non-Major Electives

EL2001 Public Speaking
EL2310 Introduction to Literature
EL2350 Reading & Writing for a Multicultural
Community

EL3901 Introduction to Creative Writing
EL3930 Language and Communication Skills for
Educators

HISTORY AND PHILOSOPHY DEPARTMENT

Professors: Edward Bever, Judith Walsh, *Acting Chair*

Associate Professors: Sylvie Kandé, Maureen Feder-Marcus, Xavier Maréchaux, Jingyi Song

Assistant Professor: Juan Galvis

Visiting Assistant Professor: Chelsea Gal

Lecturer: Leyla Amzi-Erdogdular

The History and Philosophy Department prepares students for leadership and lifelong learning in a time of rapid globalization through courses that emphasize multicultural and international perspectives in disciplines such as history, philosophy, anthropology, religion, and cultural studies. The degrees offered by the department give students a chance to enrich their understanding of human existence while preparing them for leadership in a wide range of professional fields.

THE CURRICULUM

The History and Philosophy Department is responsible for two Bachelor of Arts degree programs. Both provide students with a range of options, allowing them to design a course of study suited to their interests. At the same time, these degrees offer excellent preparation for a variety of career paths and graduate degrees. The degree programs are:

History- provides an embracing perspective from which to study human lives and affairs. The B.A. in History includes two tracks: a. the History Liberal Arts Track and b. the History Social Studies Track. The History Liberal Arts Track is designed for majors with a general interest in the discipline of history and requires courses in Western, non-Western, global, and trans-regional history as well as a course in geography, a course in historiography and a Senior Seminar. The History Social Studies Track is for majors who wish to teach Social Studies at the secondary level and requires substantial course work in history as well as in geography, political science, and economics.

Philosophy and Religion – emphasizes the analysis of values, belief systems, and contemporary ethical issues with courses in diverse cultural traditions and major areas of philosophical and religious thought. Students explore the common aspects of these topics as well as their differences. Courses from the Western tradition and from Islamic, Asian, and African perspectives are included. All courses emphasize critical thinking and analytical skills and help students form a coherent set of ethical judgments and beliefs.

Minors

Minors providing particularly valuable complements for the major include: Computer Information Science, Environmental Studies, Global Studies, Pre-Law, Islamic Studies, Pre-Law, and Women & Gender Studies.

Special Activities

The History and Philosophy Department organizes the Summer Study Abroad Program in China which is a credit-bearing course. The four-week program of study and travel, currently based at Wuyi University in Guangdong, provides an excellent experience for all majors in the department as well as for candidates in other areas of Arts and Sciences, Education, and Business. The department sponsors a student club. The department is also home to Old Westbury's chapter of Phi Alpha Theta, the national history honors society.

Career Opportunities

With an emphasis on critical thinking, problem-solving, language, communicative skills, and an appreciation of the diversity of modern American society, degrees in the department provide excellent preparation for professional

careers and for graduate study in the liberal arts. Graduates of the program have gone on to successful careers in education, public relations, social services, and government. In an increasingly international world, the multicultural outlook and communications skills fostered by the department's programs are essential for every career path.

Study Abroad

In addition to the Summer Study Abroad Program in China, students are encouraged to apply for other study abroad programs offered by Old Westbury and SUNY.

Evening Students

Course selections in the evening are limited, but the History and Philosophy Department will try to accommodate evening students. A number of courses are offered online, and courses are generally offered in the summer sessions and January mini-semester.

Transfer Students

Students may be able to substitute up to five courses taken at other institutions to fulfill requirements in the major. Consult the department chair for specific course equivalents.

Requirements for a Bachelor of Arts Degree in History

The B.A. in History can be completed through the History Liberal Arts Track or through the History Social Studies Track. Both tracks provide majors with a background in history that is both broad and deep. This, together with the skills learned in analysis, research and writing, provides an excellent foundation for global citizenship in the 21st century world, whatever a major's future career path may be.

The History Liberal Arts Track provides majors with an excellent foundation for future careers in areas such as law, international relations, college teaching, museum work, public administration, publishing, social work, and urban and regional planning. Majors complete introductory work in American, European, and Non-Western history. To consolidate a global perspective, students take a course in geography, an advanced trans-regional course on the relationship between two or more world regions, and an advanced Global history course. In addition, they take a course in Historiography, three electives of their own choosing, and a Senior Seminar in which they write an original thesis.

The History Social Studies Track is designed for students who want to teach Social Studies at the secondary level (grades 7-12). Majors in this track complete a rigorous course of study that includes multiple courses in American, European, and Non-Western history; one course each in modern (global) World History, in Science and Technology, in Geography, and in Politics; and two courses in Economics. Majors in the Social Studies track also complete the Social Studies Senior Seminar in which they write an original research paper.

Majors completing the History Social Studies Track have the option of graduating with an Adolescence Education degree in Social Studies. By gaining admission to the School of Education, completing School of Education course requirements for Adolescence Education: Social Studies, and passing New York State certification exams, students majoring in the History Social Studies Track will satisfy all requirements for New York State initial certification in Adolescence Education: Social Studies (grades 7-12).

Alternatively, majors in the History Social Studies Track can pursue state certification by enrolling in the college Social Studies M.A.T. program after graduation. The M.A.T. program involves a separate application process during a student's senior year. The History Social Studies Track fulfills all content course requirements for admission into the M.A.T. program and provides an excellent background for the areas of teaching encountered in secondary social studies curricula. Students graduating from the M.A.T. program are fully prepared to take the statewide certification exams and enter the teaching profession with the highest degree they will need.

Five-Year B.A./M.A.T. Degree in Adolescence Education: Social Studies. The School of Education in conjunction with the History and Philosophy department will offer highly qualified undergraduates the opportunity to complete a B.A. in Adolescence Education: Social Studies and a Master of Arts and Teaching degree in Adolescence Education: Social Studies within 5 years. Students interested in this program should contact Dr. Xavier Marechaux, Chair, Adolescence Education, School of Education (marechauxx@oldwestbury.edu).

Track I: History Liberal Arts

A. Liberal Education Curriculum

Refer to the Liberal Education Curriculum Bulletin for specific requirements.

B. Major Requirements

40 credits

[A minimum of 4 courses at the 4000 or 5000 level.]

1. European History: 4 credits (one course)

HI2681 Introduction to European History

2. American History: 4 credits (one course) from the following

AS2112 American People I

AS2122 American People II

3. History of Africa, East Asia, South Asia, the Middle East, and Latin America: 4 credits (one course) from the following:

Africa

HI3091 African Cultures
HI3640 African History

East Asia

HI3080 Asian Cultures
HI3900 Modern China [study abroad]
HI4905 Chinese Civilization

South Asia

HI3080 Asian Cultures
HI4800 History of India

Middle East

HI3835 Islamic Cultures
HI4306 Golden Age of Islam
HI4308 History of the Modern Middle East

Latin America

HI3110 Latin American Culture
HI3700 Historical Geography of Latin America
PE4690 Politics of Latin America & Caribbean

4. Geography: 4 credits (one course) from the following:

HI2810 Geography, Earth, and People
HI3600 Global Geography
HI3700 Historical Geography of Latin America
[if not used for #3 Above]
HI4600 World Regional Geography

5. Global Perspective: 4 credits (one course) from the following:

HI4001 Nineteenth Century
HI4011 Twentieth Century

6. Trans-regional Connections: 4 credits (one course) from the following:

HI3610 America's African Heritage
HI3840 Crescent and Cross
HI4650 History of African Enslavement;
HI4850 Domesticity 19th/20th centuries
HI4910 Chinese Diaspora Across the Pacific

7. Historiography: 4 credits (one course)

HI4062 Making History

8. History Electives: 12 credits (three courses)

In consultation with an advisor three courses from any of the above courses or from the additional list below:

European and/or World History

HI3002 Rise of Reason
HI3011 Foundations of the Judeo-Christian Tradition
HI3021 Europe in the Middle Ages
HI3030 From God to Machine
HI3102 Hispanic Heritage
HI3455 Modern European Revolutions
HI3558 Classical Greco-Roman History
HI3703 Modern Philosophy

HI4308 History in the Modern Middle East
HI4395 Philosophy from the 20th to the 21st Century
HI4415 Europe of the Dictators
HI4420 Women and Witchcraft
HI4557 Renaissance and Reformation Europe
AS2262 African American History I
AS2263 African American History II

American History

AS2640 U.S. Latina/o History
AS3222 Urban History
AS3402 Women, Work, and Careers
AS3412 African-American Women's History
AS3462 History of Women in the U.S.
AS4212 Early America
AS4215 Critical Ideas in American History
AS4218 Civil War and Reconstruction
AS4222 The Emergence of Modern America
AS4252 Immigration History
AS4282 America in War and Peace, 1898 to 1975
AS4283 America between the World Wars
AS4285 Vietnam and After
AS4290 Youth in America: A History
AS4292 America Since World War II: 1945-1989
AS4402 History of the Family in the U.S.
AS4420 History of New York City and State
AS4432 History of the Women's Movement

ONE of the following with permission of advisor:

AS5000 U.S. History in Global Perspectives
AS5212 Narrative and History
AS5312 History of U.S. Culture
AS5350 History of the Slave Narrative
AS5412 Protest and Change
AS5800 Research in American History and Culture

9. Senior Seminar 4 credits (one course)

HI5900 Senior Seminar

C. General Electives

In consultation with Academic Advisor

D. Other Requirements

Candidates may not earn more than one grade below C- in the required courses for the degree, whether taken at Old Westbury or elsewhere.

TOTAL CREDITS REQUIRED

120

Track II: History Social Studies

A. Liberal Education Curriculum

Refer to the Liberal Education Curriculum Bulletin for specific requirements.

B. Major requirements

64 credits

[A minimum of 5 courses at the 4000 or 5000 level.]

1. European History: 8 credits (two courses)

HI2681 Introduction to European History
[required]

And one course from the following:

HI3002 Rise of Reason

- HI3011 Foundations of the Judeo-Christian Tradition
- HI3021 Europe in the Middle Ages
- HI3030 From God to Machine [if not used for Science/Tech requirement]
- HI3102 Hispanic Heritage
- HI3455 Modern European Revolutions
- HI3558 Classical Greco-Roman History
- HI4415 Europe of the Dictators
- HI4420 Women and Witchcraft
- HI4557 Renaissance and Reformation Europe

2. American History: 16 credits (four courses)

AS2112 American People I [required]
 AS2122 American People II [required]
 Two courses from the list below. (Or one required course and three electives with History/Philosophy advisor's permission)

- AS2262 African American History I
 - AS2263 African American History II
 - AS2640 U.S. Latina/o History
 - AS3222 Urban History
 - AS3402 Women, Work, and Careers
 - AS3412 African-American Women's History
 - AS3402 Women, Work, and Careers
 - AS3412 African-American Women's History
 - AS3462 History of Women in the U.S.
 - AS4212 Early America
 - AS4215 Critical Ideas in American History
 - AS4218 Civil War and Reconstruction
 - AS4222 The Emergence of Modern America
 - AS4252 Immigration History
 - AS4282 America in War & Peace: 1898 to 1975
 - AS4285 Vietnam and After
 - AS4290 Youth in America: A History
 - AS4292 America Since World War II: 1945-1989
 - AS4290 Youth in America: A History
 - AS4402 History of the Family in the U.S.
 - AS4420 History of New York City and State
 - AS4432 History of the Women's Movement
- ONE of the following with permission of advisor:

- AS5000 U.S. History in Global Perspectives
- AS5212 Narrative and History
- AS5312 History of U.S. Culture
- AS5350 History of the Slave Narrative
- AS5412 Protest and Change
- AS5800 Research in American History and Culture

- PE3850 State and Local Politics
- PE4655 Constitutional Law and Politics

3. History of Africa, East Asia, South Asia, the Middle East, and Latin America : 12 credits (three courses) chosen from THREE (3) of the following five world areas:

Africa

- HI3091 African Cultures
- HI3640 African History

East Asia

- HI3080 Asian Cultures [may be used for only one world area]

- HI3900 Modern China [study abroad]
- HI4905 Chinese Civilization

South Asia

- HI3080 Asian Cultures [may be used for only one world area]
- HI4800 History of India
- PE4660 Politics of India and the Region

Middle East

- HI3835 Islamic Cultures
- HI4306 Golden Age of Islam
- HI4308 History in the Modern Middle East

Latin America

- HI3110 Latin American Culture
- HI3700 Historical Geography of Latin America
- PE4690 Politics of Latin America and the Caribbean

4. Global Perspective: 4 credits (one course) from the following:

- HI4001 Nineteenth Century
- HI4011 Twentieth Century
- AS5000 Topics in U.S. History in a Global Perspective
- PE4580 Origins of the Capitalist Economy
- PE4590 Global Economy in the 20th Century

5. Trans-regional Connections: OPTIONAL

Majors may opt to replace ONE American (#2), European (#1) or Non-Western (#3) elective with a trans-regional course as indicated below.

- HI3610 America's African Heritage (Am OR NW)
- HI3840 Crescent and Cross (Eu OR NW)
- HI4650 History of African Enslavement (Am OR NW)
- HI4850 Domesticity 19th/20th centuries (Eu OR NW)
- HI4910 Chinese Diaspora (Am OR NW)

6. Science, Technology, and Society: 4 credits (one course)

- CP2050 Nature & Development of Science
- HI2200 Science in Western Civilization
- HI3030 From God to Machine [if not used for European history elective]

7. Geography: 4 credits (one course) from the following:

- HI2810 Geography, Earth, and People
- HI3600 Global Geography
- HI4600 World Regional Geography

8. U. S. Politics: 4 credits (one course)

- PE2650 Intro to U.S. Politics

9. Economics: 8 credits (two courses) from the following:

- PE2400 Intro to Political Economy
- PE2420 Microeconomics
- PE2430 Macroeconomics

10. Social Studies Senior Seminar 4 credits (one course)

- HI5000 Social Studies Senior Seminar

C. General Electives

In consultation with Academic Advisor

below C- in the required courses for the degree, whether taken at Old Westbury or elsewhere.

D. Other Requirements

Candidates may not earn more than one grade

TOTAL CREDITS REQUIRED

120

Requirements for a Bachelor of Arts Degree in Philosophy and Religion

Students are required to complete a minimum of 120 credits, including 51-52 credits of Liberal Education Curriculum courses, major requirements (40 credits), and general College electives. No more than one course with a D grade will be accepted toward requirements for the major.

The Philosophy and Religion degree gives students grounding in the traditional issues, content, and methods of these disciplines while emphasizing a broad global perspective. At the introductory level students take courses in disciplinary foundations and methods, as well as general surveys in the disciplines. The major then requires the study of philosophy and religion within specific cultural contexts with opportunities for students to engage with Western, Islamic, African and Asian systems of thought and value.

Given the common ethical and normative concerns of the two disciplines, students take an ethics course that has both an applied and a multicultural perspective. Upper division electives allow students to do in-depth and specialized work on issues and topics of their choosing, with a disciplinary focus. Students with a particular interest in some area of applied ethics, such as the environment, issues of race and gender, health, and social policy, may choose elective courses from outside the major in consultation with an advisor. Pre-law students should also consult with an advisor in choosing their electives.

Successful completion of the degree will give students an understanding of the role of philosophical principles and religious systems in current ethical and political debates, as well as an understanding of the existential issues common to all humankind. The courses enhance critical thinking, analytical skills and the ability to make independent and informed ethical judgments. The Philosophy and Religion major is excellent preparation for many career paths and is especially recommended for students preparing for law school.

A. Liberal Education Curriculum 51-52 credits.
Refer to the Liberal Education Curriculum Bulletin for specific requirements.

B. Major Requirements Total: 40 credits

1. Disciplinary Perspectives/Surveys (Choose Two)

- HI1010 World Religions: West
- HI1020 World Religions: East
- HI2720 Introduction to Philosophy

2. Disciplinary Methods (Choose One)

- HI2155 Introduction to Comparative Religion
- HI2700 Introduction to Logic

3. Cultural Foundations (Choose Two)

- HI3011 Foundations of Judeo-Christian Tradition
- HI3080 Asian Cultures
- HI3091 African Cultures
- HI3835 Islamic Cultures
- HI3840 Crescent and Cross
- HI4905 Chinese Civilization

4. HI3752 Ethics (Required)

5. Electives (Choose Three from One of the Following clusters)

Modes of Philosophical Inquiry

- HI3323 Buddhism
- HI3525 Ancient Greek Philosophy
- HI3703 Modern Philosophy
- HI3704 African Religions and Philosophy
- HI3710 Contemporary Philosophical Issues
- HI3950 Philosophy of Religion
- HI4051 Logic and Scientific Reasoning

- HI4318 Islamic Philosophy and Mysticism
- HI4395 20th & 21st Century Philosophy
- PE4620 Political Thought
- PE4665 Human Rights
- PE4658 Law and Civil Liberties
- PE4659 Law and Civil Rights
- SY4810 Law and Justice

Modes of Religion Inquiry

- HI3040 Analysis of Cultures
- HI3130 The Black Church in America
- HI3200 Contemporary Experience of Religion
- HI3323 Buddhism
- HI3704 African Religions and Philosophy
- HI3950 Philosophy of Religion
- HI4305 Islam and the Quran
- HI4306 Golden Age of Islam
- HI4313 Islamic Philosophy & Mysticism
- HI4420 Women and Witchcraft
- EL4312 Greek Mythology

Ideas, Ideology and Culture

- AS3482 History of Love and Sexuality
- AS4215 Critical Ideas in American History
- HI3002 Rise of Reason—The Classical Origins of Western Culture
- HI3030 From God to the Machine: Europe from the Sixteenth to the Eighteenth Centuries
- HI3040 Analysis of Cultures
- HI3200 Contemporary Religious Experience
- HI4308 Islam in the Modern World
- HI4420 Women and Witchcraft

PE4580 Origins of the Capitalist Economy
PE4620 Political & Social Thought
SY4530 Sociological Theory I
SY4520 Global Sociology

6. Senior Research Project. A capping requirement for Philosophy and Religion majors involving a substantial research project that can be fulfilled in one of the following ways:

1. The student may enroll in HI5910 at the same time as another upper-division Philosophy and Religion course and do the research project in conjunction with the course;

2. The student may enroll in HI5910 and do the research project as a "stand-alone" undertaking in consultation with an adviser.

Senior standing and permission of the course instructor (for Option 1) or project adviser (for Option 2) required.

3. The student may enroll in HI5900 and fulfill the requirements for that course, consulting with an advisor, as necessary, on a topic appropriate to the major.

C. General Electives

In consultation with Academic Advisor

INDUSTRIAL AND LABOR RELATIONS

(POLITICS, ECONOMICS AND LAW DEPARTMENT)

Assistant Professor: Thomas J. Lilly, Jr., *Coordinator*

The Bachelor of Arts and Bachelor of Science degrees in Industrial and Labor Relations are multidisciplinary majors within the Politics, Economics and Law Department. Through the vantage point of worker/employer relations, they explore the history, contributions, and problems of working people and their institutions in contemporary society, as well as the theory and practice of various management methods and models, from scientific management to modern human resource management. Foundation courses introduce students to the analytical tools of political science and economics that are useful in the specialized study of labor-management issues.

Core courses emphasize current labor-management and labor-government issues, including collective bargaining, grievance procedures, arbitration, labor and employment law, public policy, and labor economics. Electives allow students the opportunity to further explore labor-management issues from the perspectives of management, unions, history, economics, sociology, politics, law, and public health.

The curriculum recognizes that globalization of labor markets and production is rapidly changing the labor-management environment. Multinational enterprises, with their enormous size and ability to relocate production and other facilities, have upset the post-World War II balance of power with unions. Thus, courses emphasize the dynamic nature of current labor-management relations.

Careers and Graduate Education

With their multidisciplinary curricula, combined with their emphasis on critical thinking and communication skills (written and oral), the Industrial and Labor Relations majors provide students with a solid foundation for immediate careers and for graduate study. Students are well prepared for careers in ILR, human resource management, business, unions, advocacy, and government agencies (e.g., Department of Labor). Students also pursue graduate studies in law, ILR, management, public administration, and similar fields. Our graduates currently are in leadership and high staff positions in HR departments, labor unions, and government agencies.

The Long Island chapter of the Labor and Employment Relations Association (LERA) offers a scholarship each year to an Old Westbury ILR major, and it welcomes students to attend its meetings.

Internships

To assist students in exploring career opportunities, the ILR faculty actively pursues internships for academic credit. The model consists of a mentor – in a human resources department, a labor union, or a government agency – acquainting the student as to various responsibilities and activities. The internships are one semester long. Contact the Coordinator of ILR well before the semester begins to apply for an internship.

Transfer Students

Students may earn no grade lower than a C- in courses for the ILR degrees. A maximum of five courses may be transferred from another institution toward the B.A. in ILR, and a maximum of six courses may be transferred to-

ward the B.S. in ILR. A transferred two course sequence offering two credits for each course is equivalent to one course in the major.

Evening Students

Students majoring in ILR can fulfill requirements for graduation by attending evening classes.

Life Long Learners (LLL)

Adult students who wish to continue their education by taking credit courses, without pursuing a degree, may elect to attend the college under a non-matriculated status. Many students, particularly members of labor unions, enroll in ILR courses as Life Long Learners (LLL). The Office of Enrollment Services will assist such students.

Requirements for a Bachelor of Arts (B.A.) Degree in Industrial and Labor Relations

(120 credits, 90 credits in liberal arts)

The Bachelor of Arts (B.A.) and Bachelor of Science (B.S.) degrees in Industrial and Labor Relations are multidisciplinary programs of study, drawing on courses offered in several departments at the College.

A. Liberal Education Curriculum

Refer to the *Liberal Education Curriculum Bulletin* for specific requirements.

B. ILR degrees (refer to the following)

Bachelor of Arts (B.A.) Degree in Industrial and Labor Relations (52 credits or 13 courses)

(Students may take a maximum of 20 credits in BU-designated courses.)

Foundation Courses (16 credits or 4 courses required)

PE2300	Introduction to Law
PE2420	Principles of Microeconomics
PE2430	Principles of Macroeconomics
PE2650	Introduction to U.S. Politics
PE3410	Contemporary Political Economy

Core Courses (20 credits or 5 courses required)

IR2210	Unions and Management: An Introduction
IR3140	Unions and Public Policy
IR3300	Collective Bargaining and Grievance Procedures
IR3415	Labor Economics
IR4320	Labor and Employment Law

Electives (16 credits or 4 courses required)

BU4110	Organizational Behavior and Management
BU5125	Management and Society
BU5171	Human Resource Management
IR3120	History of American Labor Relations
IR3260	Comparative Labor Relations
IR3330	Women, Minorities and the Workplace
IR3500	Arbitration and Mediation
IR3860	Development of the Modern Corporation
IR4200	Strategic Research for labor Relations
IR4600	Topics in Labor Studies
IR5900	Senior Project/Internship in Industrial and Labor Relations
PE4430	Health Economics
PH4770	Occupational Health

Bachelor of Science (B.S.) Degree in Industrial and Labor Relations (56 credits or 14 courses)

(Students may take a maximum of 20 credits in BU-designated courses.)

Foundation Courses (16 credits or 4 courses required)

C = Compulsory

PE2420	Principles of Microeconomics
PE2430	Principles of Macroeconomics
PE2650	Introduction to U.S. Politics
PE3410	Contemporary Political Economy
PE3200	Statistics (C)

Core Courses (28 credits or 7 courses required)

C = Compulsory

IR2210	Unions and Management: An Introduction (C)
IR3120	History of American Labor Relations
IR3140	Unions and Public Policy (C)
IR3260	Comparative labor Relations
IR3300	Collective Bargaining and Grievance Procedures (C)
IR3330	Women, Minorities and the Workplace
IR3415	Labor Economics
IR3500	Arbitration and Mediation

IR4200 Strategic Research for Labor Relations
IR4320 Labor and Employment Law (C)

BU5171 Human Resource Management
IR3860 Development of the Modern Corporation
IR4600 Topics in Labor Studies
IR5900 Senior Project/Internship in Industrial and Labor Relations
PE4430 Health Economics
PH4770 Occupational Health

Electives (12 credits or 3 courses required)

May include Core Courses.

BU4110 Organizational Behavior and Management
BU5125 Management and Society

Competency Requirement in the Major

In order to graduate with a B.A. or B.S. degree in Industrial and Labor Relations, a student may receive no grade lower than a C- in courses applied toward the major.

The Minor in Industrial and Labor Relations

Requirements for the minor are listed on page 135.

MATHEMATICS, COMPUTER & INFORMATION SCIENCE DEPARTMENT

Professor: Naresh N. Gupta, Lan Zhao

Associate Professors: Maureen Dolan, Lili Hai, Myong-hi Nina Kim, Frank Sanacory, Geta Techanie, *Chair*

Assistant Professors: Yogesh More, David Ralston, Ashok Basawapatna, Jennie D'Ambroise, Nicholas Werner

Lecturer & Computer Lab Manager: Tong Yi

Visiting Instructor: Glenn Dodd

Director, Mathematics Learning Center: Meryl Altabet

Coordinator, Mathematics Redesign: Betty Berbari

The Department of Mathematics and Computer & Information Science (Math/CIS) came into being in 2003 when the respective departments of Mathematics and Computer & Information Science merged administratively. The purpose of the merger was twofold: to realize the inherent synergies between the two disciplines and to more effectively serve our students.

Mathematics is the universal logic of science and engineering. It is fundamental to exploring the nature of space and time, and is used to describe, analyze and solve problems in the world around us. For some, a passion for mathematics may lead to a life-time of research or teaching. For others, an interest in applied mathematics may lead to a career in business, government or industry across a broad area of operations research or computational mathematics. Some specific areas of math-related employment include mathematical finance, risk management, actuarial science, quality assurance, data analytic, health care administration, energy and transportation systems, and modeling for climate change and sustainability.

The analysis and design of efficient algorithms—that is, sets of rules used for computation—is fundamental to problem solving in both mathematics and computer science. As a computer scientist, one needs to develop and deliver working systems comprised of hardware and software that represent the solution to clients' real-life problems; therefore, programming is the central activity in systems development. Creating software entails abstraction, encapsulation and modularization, which aid in conceptualization and design of complex systems.

Presently, the Math/CIS department offers three degrees:

- (1) Bachelor of Science in Mathematics
- (2) Bachelor of Science in Computer & Information Science
- (3) Bachelor of Science in Management Information Systems

All three degree programs provide students with a firm foundation in the fundamentals and endeavor to prepare them as life-long self-learners. Mathematics majors may choose to specialize in either **pure mathematics** or **applied mathematics** by appropriate selection of electives in consultation with their advisors. The department also offers minors in Mathematics, Applied Mathematics, and CIS.

Academic Requirements

Students begin the Mathematics, CIS, or MIS major at a level appropriate to their preparedness. Some students will need to fulfill prerequisite courses before taking the core requirements for Mathematics, CIS, or MIS. Faculty will aid students in devising a plan of study that will reflect each student's talent and career ambitions.

To graduate with a Mathematics, CIS, or MIS degree, students must earn a grade of C or better in all Math, CIS, and MIS courses applied to the degree.

Students should bring intellectual curiosity, determination, and motivation to the Mathematics, CIS, and MIS majors; faculty will help to open the doors to academic and professional success.

Transfer Students

The department has articulation agreements with several community colleges. Transfer students who have followed a mathematics or computer science curriculum at a two-year college are expected to be able to complete their respective degrees in two years. Upon approval from the chairperson, transfer students may use equivalent courses taken elsewhere in fulfillment of major requirements. They are advised to consult with the chairperson regarding transfer of credits from other institutions. Transfer students must complete a minimum of **28 credits** in major required courses at or above the 3000 level at Old Westbury.

Evening Students

Although the majority of the CIS and MIS courses are offered in the evening on a regular basis, students who plan to earn a degree in CIS or MIS by attending only evening classes should note that completion of the degree may take longer than normal due to scheduling constraints. Mathematics majors can fulfill some of the requirements for graduation by attending evening classes. However, the majority of the mathematics courses are offered only during the day.

COMPUTER & INFORMATION SCIENCE (CIS)

The Computer and Information Science degree at SUNY Old Westbury is a course of study that is both academically rigorous and practically sound. The distinction is important in light of the large gap that exists between most colleges' curriculum in this field and the needs of the computer industry. Driven by exploding demand for computer and information science graduates in various fields, our curriculum is updated based on the state-of-the-art technology required in current computer science and computing industry.

The CIS degree is unique in its strong emphasis on the areas of data management, Web technologies, computer networks and applied software development. Therefore, all of our majors are required to take the following courses: Software Engineering, Database Management, Internet and Web Technology, Systems Design and Implementation, and Technical Communications. CIS majors may choose to emphasize system software or information systems or computer and network security. The languages of instruction are Java and C++ . Students may learn other languages or software platforms based on the high level courses need.

The total enrollment in each course is limited to maximize the interaction between faculty and students. The material is presented in a closely coordinated series of lectures. Concepts taught in the classroom are reinforced and tested through programming assignments. Students design, implement, and test components of their computer projects in the department's computing laboratory. To encourage hand-on experiences, the department assigns credits to senior students who obtain internship opportunities.

The CIS department was established in 1979. Its graduates hold positions as application programmers and system analysts, and are employed in the installation and operations of computer networks in various enterprises, including manufacturing, government, and business. Some CIS graduates are also pursuing graduate studies in computer science and/or management information systems.

The internet and web technologies have completely changed the way we conduct our daily lives and have created numerous opportunities for businesses to manage operations more efficiently and serve their customers more effectively. This has created tremendous opportunities for innovations in hardware/software and for tap-

ping the enormous unrealized potential of information technologies for the benefit of society. Our graduates are prepared to participate in these innovative opportunities.

Requirements for the Bachelor of Science (B.S.) Degree in Computer & Information Science

The Computer & Information Science (CIS) degree program focuses on the subjects of computers, their organization, and the programs that run them. Emphasis is placed on software rather than hardware. CIS majors may choose to specialize in either **system software** or **information systems** or **computer and network security** by appropriate selection of CIS electives. See sample programs at end of section.

A. CIS Major Requirements: 68 credits (17 courses)

1. Required Courses: 40 credits (10 courses)

CS2510	Computer Programming I	4
CS2511	Computer Programming II	4
CS3620	Computer Architecture I	4
CS3810	Data Structures and Algorithms	4
CS3910	Java and Object-Oriented Programming	4
or		
CS3911	C++ and Object-Oriented Programming	4
CS4100	Technical Communications	4
CS4501	Software Engineering	4
CS4550	Database Management Systems	4
CS4720	Internet and Web Technologies	4
CS5910	System Design & Implementation	4

2. Required Elective courses: 12 credits (3 courses)

Take any three of the following courses:

CS4400	Artificial Intelligence	4
CS4705	Computer Security	4
CS4710	Applied Cryptography	4
CS5610	Operating Systems	4
CS5710	Computer Networks	4
CS5720	Advanced Java Programming and Applications	4
CS5730	Computer Network Security	4
CS5810	Data Mining	4
Any 4000 or 5000 level CS course		4

3. Required Mathematics Courses: 16 credits (4 courses)

MA2310	Calculus and Analytic Geometry I	4
MA3030	Discrete Mathematics	4
MA3210	Introduction to Probability & Statistics	4
MA3160	Linear Algebra	4
or		
MA4100	Number Theory	4

B. Liberal Education Curriculum Courses

Refer to the Liberal Education Curriculum Bulletin for requirements.

C. General Electives

In consultation with academic advisor, for a total of 120 credits.

D. Other Requirements

- A grade of C or higher is needed in all required computer science and mathematics courses.
- Transfer students must complete a minimum of 28 credits (7 courses) of the required major courses at or above the 3000 level at Old Westbury.

E. College Wide Requirements

- 120 credits overall (40 credits at Old Westbury, may transfer a maximum of 80 credits)
- 45 Upper Division credits (3000, 4000, or 5000 level courses)
- 60 Liberal Arts credits
- Cumulative Grade Point Average of **2.0**

MANAGEMENT INFORMATION SYSTEMS (MIS)

Management information systems (MIS) is a general term used to describe the computer-based information systems that provide operational information to an enterprise. The SABRE System is an example of a computer-based information system. Originally used only by American Airlines for passenger reservations, it is today a system connecting more than 40,000 travel agents and millions of consumers with more than 400 airlines, 50 car-rental companies, thousands of hotels, railways, tour companies, ferries and cruise lines. The MIS term is often used to describe the roles who work as varies management and data analysis work in these computer-based information systems.

The MIS degree program prepares students as technical managers who can rise to serve in various capacities in an enterprise, starting as System Analysts in MIS departments. The goal of the MIS program is to give students both a firm grounding in information processing as well as in business fundamentals. Therefore, MIS majors take a broad range of required courses both in CIS and business. The MIS curriculum includes courses in database management, software engineering, Internet and Web Technology, system design & implementation, and technical communications. These courses provide MIS majors with an extensive background in technical and organizational areas which serves as a solid foundation for understanding how new technological advances enhance the use of information resources for operations and strategic decision-making.

Requirements for the Bachelor of Science (B.S.) Degree in Management Information Systems

A. Major Course Requirements: 66 credits (17 courses)

1. Computer Science Courses: 36 credits (9 courses)

CS2510	Computer Programming I	4
CS2511	Computer Programming II	4
CS3611	Advanced Visual Basic and Database Application Programming	4
CS4100	Technical Communications	4
CS4501	Software Engineering	4
CS4550	Database Management Systems	4
CS5551	MIS Topics	4
CS4720	Internet and Web Technologies	4
CS5710	Computer Networks	4
CS5910	System Design & Implementation	4

2. Business & Economics Courses: 22 credits (6 courses)

PE2420	Principles of Microeconomics	4
PE2430	Principles of Macroeconomics	4
BU3502	Principles of Accounting I	3
BU3511	Principles of Accounting II	3
BU3800	Marketing: Principles and Concepts	4
BU4110	Organizational Behavior & Management	4

3. Mathematics Courses: 8 Credits (2 courses)

3a. One of the following:		
MA2300	Calculus for Business & Economics	4
MA2310	Calculus & Analytic Geometry I	4

MA3030	Discrete Mathematics	4
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3b. One of the following:

MA2000	Applied Statistics	4
MA3210	Intro. to Probability and Statistics	4

B. Liberal Education Curriculum Courses

Refer to the Liberal Education Curriculum Bulletin for requirements.

C. General Elective Courses

In consultation with academic advisor, for a total of 120 credits.

D. Other Requirements

- A grade of C or higher is needed in all required computer science, business, economics, and mathematics courses.
- Transfer students must complete a minimum of 28 credits (7 courses) of the required major courses at or above the 3000 level at Old Westbury.

E. College Wide Requirement

- 120 credits overall (40 credits at Old Westbury, may transfer a maximum of 80 credits)
- 45 Upper Division credits (3000, 4000, or 5000 level courses)
- 60 Liberal Arts credits
- Cumulative Grade Point Average of 2.0

MATHEMATICS

Mathematics encompasses logic and reasoning skills that provide the tools for making decisions, interpreting observations, explaining natural phenomena, and solving problems. The Department aims to instill in students an appreciation of mathematics, and to equip students with the skills needed to achieve academic and career goals within a complex technological society. In addition to serving mathematics majors, the Department offers for business, science and liberal arts majors a number of courses that concentrate on problem solving.

Career Opportunities

The study of undergraduate Mathematics provides essential preparation for a variety of professional careers. Throughout government and industry, mathematical modeling and quantitative methods lie at the heart of research, analysis and problem solving. Old Westbury's Mathematics graduates have pursued graduate studies and successful careers in fields such as actuarial science, management science, finance, industrial engineering, operations research, and statistics.

Mathematics Learning Center

The Mathematics Learning Center (MLC) provides academic support for students taking mathematics courses

and encourages students to develop a deeper appreciation and interest in mathematics. Staffed by professional educators and peer tutors, the MLC welcomes all students. The telephone number is 516-628-5622 Specific hours are announced each semester.

Requirements for a Bachelor of Science (B.S.) Degree in Mathematics

A. Mathematics Major Requirements: 56 Credits (14 courses)

1. Required Core Courses: 44 credits (11 courses)

MA2310	Calculus and Analytic Geometry I	4
MA2320	Calculus and Analytic Geometry II	4
MA3030	Discrete Mathematics	4
MA3160	Linear Algebra	4
MA3210	Intro. To Probability & Statistics	4
MA3330	Calculus and Analytic Geometry III	4
MA3520	Transition to Advanced Mathematics	4
MA4360	Differential Equations	4
MA5120	Abstract Algebra I	4
MA5320	Advanced Calculus I	4
CS2510	Computer Programming I	4

2. Required Elective Courses: 12 Credits (3 Courses)

MA4100	Number Theory	4
MA4200	Probability	4
MA4510	Geometry	4
MA4910	Operations Research I	4
MA4920	Operations Research II	4
MA5230	Mathematical Statistics	4

MA5380	Complex Analysis	4
MA5510	Topology	4
CS2511	Computer Programming II	4
CS3810	Data Structures & Algorithms	4
Any 4000 or 5000 level Mathematics Course		4

B. Liberal Education Curriculum Courses

Refer to the Liberal Education Curriculum Bulletin for requirements.

C. General Electives

In consultation with academic advisor, for a total of 120 credits.

D. Other Requirements

- A grade of **C** or higher is needed in all required mathematics and computer science courses.
- Transfer students must complete a minimum of 28 credits (7 courses) of the required major courses at or above the 3000 level at Old Westbury.

E. College Wide Requirement

- 120 credits overall (40 credits at Old Westbury, may transfer a maximum of 80 credits)
- 45 Upper Division credits (3000, 4000, or 5000 level courses)
- 60 Liberal Arts credits
- Cumulative Grade Point Average of 2.0

Sample Course Sequence By Major

Mathematics Minor

Term	Mathematics Major	Computer and Information Science Major	Management Information Systems Major
1	MA2090	MA2090	PE2420 MA2080
2	MA2310 MA3030 CS2510	CS2510 MA3030	PE2430 CS2510
3	MA2320 MA3160 MA3210	CS2511 CS3620 MA2310	BU3502 MA3030 OR MA2300 CS2511
4	MA3330 MA3520	CS3810 CS3911 MA3210	BU3511 CS3611 MA2000 OR MA3210
5	MA5120 MA4360	CS4501 CS4550 MA3160 OR MA4100	BU3800 CS4501 CS4550
6	MA5320	CS4100 Elective	CS4100 CS4720
7	Elective	CS4720 Elective	BU4100 CS5551
8	Elective	CS5910 Elective	CS5910

Refer to page 137 for information on the minor in Mathematics.

MEDIA AND COMMUNICATIONS

(AMERICAN STUDIES DEPARTMENT)

Distinguished Service Professor: Laura Anker

Professors: Aubrey Bonnett, *Emeritus*; Amanda Frisken, Karl Grossman

Associate Professors: Jermaine Archer, John Friedman, Carol Quirke, Sujani Reddy, Denton Watson

Assistant Professors: Llana Barber, Laura Chipley, Jasmine Mitchell, Samara Smith

Instructors: Andrew Mattson, *Chair*

Lecturer: Joseph Manfredi

The major in Media and Communications provides students with a broad-based education emphasizing theoretical, historical and experiential learning in an interdisciplinary context.

The Media and Communications major is located within the American Studies Department and its curriculum is designed to give students a grounding in the economic, political, social, and intellectual history of the U.S. A wide variety of courses is offered both on theoretical and practical levels, in communications and all varieties of media including radio and TV, newspapers, and inter-active media. Students will develop strong writing, reporting and other communications skills. The goal is to assist students in developing a critical view of the role and dynamics of media in contemporary society.

Students gain practical experience through internships in a variety of fields. They intern in media organizations ranging from television and radio stations to newspapers and magazines - throughout Long Island and the New York Metropolitan Area. This major is appropriate for students interested in careers in media. It also serves as a foundation for students who want to do graduate work in media studies, journalism and communications.

Evening Students

A limited selection of Media and Communications courses are available in the evening. Completion of a major in Media and Communications requires daytime course attendance.

Transfer Students

A Media and Communications major can be completed in a two year period with appropriate planning. With an advisor's approval, a maximum of five courses will be accepted in transfer toward the 14 courses required for the major. Transfer students should note that AS2112-AS2122, The American People I-II, AS2802 Introduction to Media and Communications, and AS3800 Writing for Media are prerequisites for enrollment in 5000-level American Studies courses, as well as for a number of other courses in the major. It is essential that American People I-II, Introduction to Journalism and Media, and Writing for Media are taken in a transfer student's first year at Old Westbury if the expectation of completing the program in two years is to be met. These courses must be taken prior to the senior year.

Requirements for a Bachelor of Arts (B.A.) Degree in Media and Communications

(120 credits, 90 credits in liberal arts)

A. Liberal Education Curriculum

Refer to the Liberal Education Curriculum Bulletin for specific requirements.

B. Major Requirements

There are fourteen courses totaling 56 credits which include:

1. Knowledge of American Society (8 credits)

AS2112-AS2122 The American People I and II. Students may substitute one of the following courses for AS2112 or AS2122; AS2252 U.S. Social Movements, AS2262 African American History I; AS2263 African American History II; AS2300 Problems in U.S. Environmental History; AS2640

Intro to U.S. Latina/o History; AS3222 Urban History; AS3270 Africa In the Americas; AS3462 History of Women in the U.S.

Note: These courses should be taken as early as possible and, in no case, later than the junior year.

2. Media Studies Courses (12 credits)

Three of the following:

AS2020 New Media CE
AS2652 Media Studies
AS2700 The Engaged Eye
AS3310 From Citizen to Consumer
AS3632 History of U.S. Film
AS3712 American Film Genres

AS3722 History of Mass Media
 AS3732 Politics of Media
 AS3735 Documentary Media Studies
 AS3742 Myths and Images in Film
 AS3745 Feminine and Masculine in Film
 AS3810 Music and Media
 AS3830 Public Relations and Society
 AS3842 African-Americans and the Mass Media
 AS3852 Women and the Media
 AS4160 Special Topics in Media Studies
 AS4280 Global Media
 AS4722 Film: Ideas and Aesthetics
 AS4725 The Photograph and American Culture
 AS4732 Political Film
 AS4850 Digital Revolution
 SY4651 Sociology of Communications and Media

3. Writing, Analysis and Research (12 credits)

AS2802 Introduction to Journalism and Media
 AS3800 Writing for Media
 AS4802 Investigative Reporting

4. Media Production Courses (12 credits)

Three of the following:

AS2020 New Media CE
 AS3247 Intro. to Video and TV
 AS3820 Radio Production and Editing
 AS3822 TV and Radio Journalism
 AS4150 Radio on the Air
 AS4260 New Media Newsroom
 AS4442 Feature Writing
 AS4812 Editing for Publication
 AS4822 Advanced Reporting and News Writing
 AS4825 Making A Newspaper
 AS4852 Advanced Video: Documentary
 AS4870 Advanced TV: Studio Production
 AS4882 Radio Reporting
 AS4935 TV in Action
 AS4940 Journalism in Action
 AS4945 Radio in Action
 AS4955 New Media in Action
 AS4965 Video In Action
 VA2320 Graphic Design I
 VA2400 Intro. to Photography
 VA3380 Digital Video
 VA3400 Digital Imaging
 VA4260 Interactive Web Design
 VA4265 3-D Digital Design
 VA4320 Graphic Design II
 VA4360 Advanced Electronic Media Production
 VA4460 Digital Animation

5. Internship (4 credits)

Students may take up to twelve credits in internships, but only four credits count toward the major. Students may take an internship off campus, but may also take an internship on campus at OWWR (Old Westbury Radio Station), The Catalyst (college newspaper) OWTV (Old Westbury TV), or the Collaborative Media Center.

AS4832 Internship in Journalism and Media

6. Capping Courses (8 credits)

Two of the following (Senior Level):

AS5000 Topics in US History in Global Perspective
 AS5112 American Voices
 AS5200 Environmental Journalism
 AS5212 Narrative and History
 AS5312 History of US Culture
 AS5350 History of the Slave Narrative
 AS5412 Protest and Change
 AS5420 Propaganda & Mass Persuasion
 AS5712 Mass Media and Popular Culture
 AS5725 Senior Media Portfolio
 AS5800 Research in American History and Culture
 AS5862 The Journalist as Creative Writer

7. Portfolio Recommended

All Media and Communications majors should assemble a portfolio for recognition of college work and for employment. The portfolio should contain samples of work done in courses and the Internship in Journalism. The portfolio should contain examples of written work, both published and submitted as class assignments, and selected graphics, radio programs and videos.

Program Policies:

1. All Media and Communications majors should see an adviser at least once a semester.
2. Only one grade of D+, D or D- will be accepted toward the major. Students must request this inclusion from the chair of American Studies.
3. A minimum GPA of 2.0 must be achieved in the major.
4. Only two 1000 or 2000 level courses will be counted towards the major beyond AS2802 and all "Knowledge of American Society" courses AS2112, 2122, 2252, 2262, 2263, 2300, 2640.
5. In order to qualify for independent study, students must have sophomore standing and a B (3.0) average. Only four credits of independent study will be counted toward the major.
6. Only four credits of internship can be applied toward the major. Students can take up to twelve credits which will be counted toward graduation, but only four will be applied toward the major. Students must see an adviser to plan their internship.
7. Only five courses can be transferred from another college or university and accepted for credit toward the major.
8. In general, 4000 and 5000 level courses will NOT be taught during the summer sessions.
9. All students in their junior year should make an appointment with the Chair to make sure that they are on track for graduation.

MODERN LANGUAGES DEPARTMENT

Professor: Ruben Gonzalez, *Chair*

Associate Professors: Sonia Assa, Fernando Guerrero,
Zenaida Madurka, Kathleen O'Connor-Bater

Assistant Professors: Carolina Bustamante, Angel Lara

The Modern Languages Department offers a course of study leading to a Bachelor of Arts degree (B.A.) in Spanish Language, Hispanic Literature and Culture. In addition, Modern Languages has established close ties with the School of Education to prepare students for careers as foreign language (Spanish) teachers. Students may earn initial certification in the teaching of Spanish (Grades 7-12). It is also possible to obtain a non-teaching certificate and a minor in Spanish. Both of these options offer effective marketable skills that are in high demand in teaching and business careers, particularly in today's multilingual and global economies. The Modern Languages Department is designed to serve the following groups:

- Students who are interested in acquiring communication skills in Spanish, French, Italian, Chinese, Arabic and American Sign Language
- Students who wish to major in Spanish Language, Hispanic Literature and Culture
- Modern Languages majors seeking to obtain initial certification to teach Spanish at the middle and senior high school levels
- Transfer students with an associate degree who wish to achieve a higher level of proficiency in Spanish and gain communication skills in the other languages offered by the Department.

Departmental Objectives

Interrelated objectives of the department are to:

- Assist students in mastering communication skills in all the aforementioned foreign languages and, concurrently, in developing an understanding of the cultural roots of those languages.
- Help students interested in pursuing graduate studies develop a sound knowledge of the language, literature and culture of Spain, Latin America and the Spanish-speaking Caribbean.

Careers and Graduate Education

The major equips students to pursue graduate programs in Spanish Language and Literature, and Latin American and Caribbean Studies, while the Spanish Certificate serves as evidence of language skills that are in high demand in teaching and business in today's multilingual society.

The Spanish Club

The Spanish Club serves as a common ground for students in the major as well as other students interested in Hispanic and Latino cultures. The club is run by the students themselves with a faculty member as advisor.

Sigma Delta Pi

Sigma Delta Pi is a national honor society in Spanish. It honors those who seek to attain excellence in the study of Spanish and the literature and culture of Spanish-speaking peoples. To be eligible for active membership, a student must be enrolled in junior-level courses in Hispanic literature or Hispanic Culture and Civilization. Students enrolled in these courses are eligible for membership if their instructors certify that their work is B quality or better. They must have completed at least three semesters of college work, be in good standing, be genuinely interested in Hispanic culture, have a minimum grade point average of 3.00 in Spanish, and rank in the upper 35 percent of their class or have a minimum cumulative grade point average of 3.00. For more information, access the SDP website at www.sigmadeltapi.org.

The Hispanic/Latino Cultural Center

Founded in 2003 by the faculty of the College's Humanities & Languages Department, the Hispanic/Latino Cultural Center at SUNY Old Westbury celebrates the entire Spanish-speaking world including its Hispanic, Amerindian and African heritages. The Center serves the metropolitan New York area by presenting theatrical events, art exhibits, concerts, and educational forums geared towards improving the overall understanding, among people from all walks of life, of the contributions to world culture made by the men and women of Hispanic/Latino heritage.

Internships and Study Abroad

To help students explore career possibilities, the department has made arrangements for its students to assume internships for academic credit. Recent examples of internship sponsors include the Hispanic/Latino Cultural Center, community service agencies, the Nassau County Department of Assessment, and the Women's Sport Foundation. Contact the Chairperson well before the semester begins to apply for a Modern Languages Department internship. Study Abroad programs in Spain, China, Cuba and Puerto Rico are available, along with scholarship assistance.

Evening Students

While several upper level courses are offered during the evening, at this time it is not possible to earn the B.A. degree in Spanish Language, Hispanic Literature and Culture by attending classes exclusively in the evening.

Transfer Students

Transfer students may be able to substitute courses taken elsewhere for the Department's required courses.

Up to three course substitutions may be possible for the degree in Spanish Language, Hispanic Literature and Culture. Consult the "Transfer of Credit Matrix" or "Articulation Agreement" for specific course equivalents for local community colleges.

Transfer students who wish to obtain a B.A. degree in Spanish language, Hispanic Literature and Culture must complete the 24-28 credits of upper-division coursework at SUNY Old Westbury.

Upon entry, students should present their transcripts to the department for evaluation.

Requirements for Certificate in Spanish

All students who wish to receive a non-teaching certificate in Spanish must complete 20 Modern Languages credits with a grade point average of 2.30 (C+). The 20 credits must consist of five courses taught in Spanish. Candidates for the non-teaching certificate must obtain a Modern Languages faculty advisor. At the end of ML 3100 (or any ML 3000 level grammar course) students with a 2.3 (C+) GPA will be required to take the OPI exam and to pass it with a minimum of "Low Intermediate." By the end of ML 3100 (or any ML 3000 level grammar course) students with a GPA lower than 2.3 will not be allowed to continue in the program.

Requirements for a Bachelor of Arts Degree in Spanish Language, Hispanic Literature and Culture

Majors must complete 44 credits in Spanish Language, Hispanic Literature and Culture. Students may choose between two options. Option I is for students interested in language acquisition and Hispanic culture and civilization. Option II is for students interested in Hispanic literature, culture and civilization. Spanish Language, Hispanic Literature and Culture majors must maintain a minimum grade point average within the major of 2.70 (B-). Only courses with grades of C+ or better count towards the credits required for the major.

At the end of ML 3100 (or any ML 3000 level grammar course) students with a 2.3 (C+) GPA will be required to take the OPI exam and to pass it with a minimum of "Low Intermediate." By the end of ML 3100 (or any ML 3000 level grammar course) students with a GPA lower than 2.3 will not be allowed to continue in the Spanish Language, Literature and Culture major.

Option I: Language and Culture

A. Liberal Education Curriculum:

Refer to the Liberal Education Curriculum Bulletin for specific requirements

B. Core Requirements: 20 Credits

ML2100 Intermediate Spanish Conversation I 4

ML2110 Intermediate Spanish Conversation II 4

OR

ML2500 Spanish Language and Culture 4

ML3100 Advanced Spanish Conversation and Composition 4

ML3362 Advanced Spanish Grammar and Composition 4

C. ONE of the following by advisement:

ML3200 Translation Workshop 4

ML3250 Spanish Linguistics 4

ML3260 Spanish Linguistics: Universals of Grammar 4

D. Major Requirements: 24 Credits

I. ML3600 Introduction to the Study of Hispanic Literature 4

ML3500 Critical Writing and Textual Analysis 4

AND

ML4540 Latin American Culture & Literature: From the European Conquest to Independence 4

OR

ML4545 Civilization & Culture of Latin America 4

And one of the following by advisement:

ML4100 The Spanish Golden Age 4

ML4500 Culture and Literature of Spain from the Middle Ages to the 18th century 4

ML4510 Civilization and Culture of Spain 4

2. Two of the following courses by advisement:

ML3300	Artistic Expressions of Spain	4
ML3310	Topics in Hispanic Cultural Studies	4
ML3410	Latino/a Writers in the US	4
**ML3650	Latin American Cinema	4
**ML3880	Masterpieces of Hispanic Literature	4
ML4325	Contemporary Theatre of the Hispanic World	4
ML4350	Recurrent Themes in Latin American Painting and Literature	4
ML4450	Hispanic Women Writers	4
ML4515	Recent Narrative from Spain	4
ML4520	Culture and Literature of the Spanish Caribbean	4
**ML/EL4630	Latin American Literature	4

Option II: Literature and Culture

A. Liberal Education Curriculum:

Refer to the Liberal Education Curriculum Bulletin for specific requirements

B. Core Requirements: 24 Credits

1. Both Courses:
 - ML3362 Advanced Spanish Grammar and Composition 4
 - ML3600 Introduction to the Study of Hispanic Literature 4
2. ONE of the following:
 - ML3200 Translation Workshop 4
 - ML3250 Fundamentals of Spanish Linguistics 4
 - ML3260 Spanish Linguistics: Universals of Grammar 4
3. ONE of the following:
 - ML3500 Critical Writing and Textual Analysis 4
 - ML3510 Creative Writing 4

One of the options under Major Requirements (listed below under "C")

AND

4. ONE of the following:
 - ML4540 Latin American Culture & Literature: From the European Conquest to Early 20th Century 4
 - *ML4545 Civilization and Culture of Latin America
5. ONE of the following:
 - ML4100 The Spanish Golden Age 4
 - ML4500 Culture and Literature of Spain from the Middle Ages to the 18th Century 4
 - *ML4510 Civilization and Culture of Spain 4

C. Major Requirements: 20 credits

1. Three of the following by advisement:
 - ML3300 Artistic Expressions of Spain 4
 - ML3310 Topics in Hispanic Cultural Studies 4
 - **ML3410 Latino/a Writers in the United States 4
 - **ML3880 Masterpieces of Hispanic Literature 4
 - ML4325 Contemporary Theater of the Hispanic World 4
 - ML4350 Recurrent Themes in Latin American

ML4700	Studies in Spanish Literature of the Nineteenth and Twentieth Centuries	4
ML4725	The Novel and the City	4
ML4750	Fiction into Film: the Spanish and Latin American Cinema	4
ML4800	Modernisms and Modernity: The Latin American Experience	4
ML5400	Contemporary Literary Theory and its Applications	4
ML5450	Major Trends in Latin American Thought	4
ML5650	Contemporary Latin American Narrative	4

E. General Electives

In consultation with Academic Advisor

TOTAL CREDITS REQUIRED 120

	Painting and Literature	4
ML4450	Hispanic Women Writers	4
ML4515	Recent Narrative from Spain	4
ML4520	Culture and Literature of the Spanish Caribbean	4
**ML/EL4630	Latin American Literature	4
ML4700	Studies in Spanish Literature of the Nineteenth and Twentieth Centuries	4
ML4725	The Novel and the City	4
ML4750	Fiction Into Film: the Spanish and Latin American Cinema	4
ML4800	Modernism and Modernity: The Latin American Experience.	4
2. One of the following 5000-level courses:		
ML5400	Contemporary Literary Theory and Its Applications	4
ML5450	Major Trends in Latin American Thought	4
ML5650	Contemporary Latin American Narrative	4
3. ML5900	Senior Seminar***	4

Note:

*Majors can only take ONE course in this category.
 **These courses are taught in English. Majors can only take ONE course in this category.
 ***Majors may take an additional 4000 or 5000-level course instead of completing a senior seminar (upon advertisement). Majors must apply to receive the approval of a Modern Languages faculty advisor one semester in advance of registering for the Senior Seminar

D. General Electives

In consultation with Academic Advisor

TOTAL CREDITS REQUIRED 120

POLITICS, ECONOMICS AND LAW DEPARTMENT

Distinguished Service Professor: Sachi G. Dastidar

Associate Professors: Carolyn Cocca, Thomas DelGiudice,
Laurence Krause, Kevin Ozgercin, *Chair*

Assistant Professors: Niev J. Duffy, Thomas Lilly, *Coordinator, Industrial
and Labor Relations*; Edislav Manetovic, Rose Muzio

Visiting Assistant Professors: Maureen Keefe

Politics, Economics and Law (PEL), formerly Politics, Economics, and Society, is an interdisciplinary department in the social sciences with a national and international focus. Students majoring in PEL earn a Bachelor of Arts (B.A.) degree. Bachelor of Arts (B.A.) and Bachelor of Science (B.S.) degrees in Industrial and Labor Relations are also offered by the PEL department. (See page 79). PEL has upper division concentrations in politics and law, economics, political economy, public policy and global studies.

The PEL department provides a rigorous and integrated preparation in the social sciences for students who intend to enter graduate or law school; for students who plan to seek employment in government, business, social services, and human rights and political organizations.

The PEL curriculum has various objectives: to introduce students to the disciplines of political science, political economy and economics and to examine how these different areas intersect to shape U.S. and international law, institutions, and policies. Such a course of study provides the student with a strong background in the historical development of corporations, social welfare policies, labor organizations, and civil liberties and civil rights movements.

PEL also provides students with an opportunity to develop an international perspective in the study of politics and economics - a vantage point vital in the new global marketplace. The department takes a comparative approach to the study of different societies and to the relations among them, with particular emphasis on the developing nations and globalization. The global component focuses on issues such as international trade, foreign debt, economic inequality, transnational political and social movements, environmental concerns and international institutions.

Internships

PEL students are encouraged to gain practical experience by undertaking an internship as part of their course of study. Among the internships students have successfully completed are:

- Washington Semester Internship
- New York State Senate and Assembly
- Office of the County District Attorney
- New York City Summer Internship
- County Legislature
- Political Campaigns – U.S. Senate to County Legislature
- New York Public Interest Research Group
- Private Law and Financial Firms
- Nonprofit Organizations

Pre Law Center

The Pre Law Center offers information and resources on law schools, the law school admission process, and law-related careers. Specifically, The Pre Law Center has:

- 1) timetables describing what one needs to do, when, and how, to apply to law schools
- 2) materials on preparing for the LSAT and free practice LSATs, usually once per semester
- 3) admission, financial aid, and other information on every law school in the U.S.
- 4) tips for, and editing of, your personal statement and information on financial aid for law schools
- 5) an advisor to keep you on track in the application process
- 6) informational and networking events with those in the legal profession, and with other prelaw students
- 7) internships, some in conjunction with CSTEP
- 8) guidance on career opportunities in law

Careers

PEL graduates have pursued graduate studies in the social sciences and applied social sciences such as public administration, social work, urban studies, public policy and international relations. They have gone on to have careers in law, diplomacy, education, business, finance and public service in community agencies as well as county and state government.

Transfer Students

A maximum of five courses may be transferred from an accredited institution toward the PEL major, and a maximum may count as upper division courses. A transferred two-course sequence offering two credits per course is equivalent to one course in the major.

Evening Students

The PEL department offers required and elective courses on a rotating basis from 4:40 p.m. to 10:00 p.m. to accommodate evening students. However, evening majors should note that completion of their degrees may take longer than normal.

Bachelor of Arts (B.A.) Degree in Politics, Economics & Law

The core of the curriculum in this major consists of a sequence of required courses designed to provide students with the analytical, conceptual, theoretical and methodological tools for studying contemporary national and international problems.

Requirements for a B.A. Degree in Politics, Economics & Law

A student wishing to graduate with a major in PEL must complete 120 credits overall including a minimum of 90 liberal arts credits, fulfillment of the Liberal Education Curriculum requirement (Refer to the Liberal Education Curriculum Bulletin for specific requirements.) and 52 credits, or 13 courses, as listed below.

1-3. Three of the following four courses:

PE2300	Introduction to Law	4
PE2420	Principles of Microeconomics	4
PE2430	Principles of Macroeconomics	4
PE2650	Introduction to U.S. Politics	4

4. An additional course from the four courses listed above

OR one of the following:

IR2210	Unions and Management: An Introduction	4
PE2220	Introduction to Urban Issues	4
PE2400	Introduction to Political Economy	4

5. One of the following:

HI3600	Global Geography: People, Places and Environments	4
PE3100	International Relations	4

6. PE3400 Political Economy of the Global South 4

7. PE3410 U.S. Political Economy 4

8. One of the following:

PE4320	Jurisprudence: Legal Thought	
PE4470	History of Economic Thought	4
PE4620	Political and Social Thought	4

9. One of the following:

PE4580	Origins of the Capitalist Economy	4
PE4590	Global Economy in the 20th Century	4

10-13. Four additional upper-division PEL courses (3000-level and above), at least two of which must be at the 4000-level

Competency requirement in the major

In order to graduate with a B.A. degree in Politics, Economics and Law, a student may receive no grade lower than a C- in courses applied toward the major.

Upper Division Electives

Students are expected to work closely with their faculty advisor in choosing their upper division electives in the major. The objective is to select courses that are related to each student's area of interest. Courses not chosen to fill requirements 5, 8 and 9 may be applied toward the four additional upper division PEL courses (10-13).

Minors

The PEL department co-sponsors three minors with other departments in the School of Arts and Sciences. Also, it offers a minor in Industrial and Labor Relations. The specific minors offered by the PEL department are:

- Global Studies
- Industrial and Labor Relations
- Pre-Law
- Public Policy

For specific requirements, please refer to pages 129-145

Global Studies Minor

The Global Studies minor offers a transnational perspective that has become critical for college students regardless of their major and career goals. It contains two options. The first option brings together international and regional courses offered in English, History, and Philosophy and Politics, Economics and Law. History and Philosophy contributes courses in history, literature and culture (a cross-cultural course from Sociology is also included), and Politics, Economics and Law in politics, international relations, economics, political economy and economic history. The second option incorporates foreign language courses from Modern Languages. School of Education candidates for New York State secondary school certification will find this minor helpful.

Industrial and Labor Relations Minor

The Industrial and Labor Relations minor aims to assist students in advancing careers in this area, whether in the private or public sector. Its required courses include Unions and Management, Unions and Public Policy, and Collective Bargaining. There is a wide range of elective courses on topics such as arbitration and mediation; the history of American labor relations; women, minorities and work; and labor and employment law.

Model United Nations

As a component part of PEL's objective to prepare students to become thoughtful and engaged global citizens, the department offers the Model United Nations course. This non-traditional course prepares students for a week-long Model United Nations conference where students simulate the role of diplomats from an assigned country. During the course and at the conference, students learn about current issues on the global agenda of the United Nations; become specialists on domestic and foreign policies of their assigned country; practice the science and art of diplomacy by engaging in negotiations with students from around the world; obtain an unparalleled experience in conducting primary research; and practice public speaking in front of a global audience.

Pre-Law Minor

The Pre-Law minor is open to all academic majors who are interested in applying to law school. Since only one course in a student's major can be used to satisfy the requirements of a minor, American Studies, History and Philosophy, Politics, Economics and Law and Sociology majors opting for the pre-law minor must choose courses offered by departments other than their own. Majors in all other academic departments have a free choice of courses within various categories.

Public Policy Minor

The Public Policy minor is useful to students in all academic majors as well as to those who wish to pursue graduate studies in fields such as public affairs, public administration, urban and suburban planning, and policy analysis. The minor is particularly valuable to students in the School of Education who are interested in pursuing New York State secondary school certification in social studies:

PSYCHOLOGY DEPARTMENT

Distinguished Service Professor: Minna Barrett

Professors: John Ehrenreich, Fred Millán, B. Runi Mukherji

Associate Professors: F. Michler Bishop, Kathleen P. Greenberg, William Knack, Chair;
Laurette Morris, Lisa Whitten

Assistant Professors: Seojung Jung, Ashlee Lien, Lorenz Neuwirth, Lillian Park

The Psychology Department provides students with a background in the major areas of expertise within the modern discipline of psychology. A major in psychology leads to the Bachelor of Arts (B.A.) degree. Completion of requirements for a Bachelor's degree in Psychology ensures that students have been given an extensive background in research methods and have been introduced to the basic areas of specialization within psychology. To this end, the curriculum is designed around a set of required courses called **The Core** which includes Introduction to Psychology, a sequence of three Research Methods courses; Field Research, and a Senior Seminar in a specialized area of interest. In addition to these core courses, students choose five electives: One Group A Platform course in the areas of physiological or cognitive psychology; one Group B Platform course in the areas of clinical, developmental, or social psychology; one Group C Platform course in the areas of diversity and social justice, and two additional electives, at least one of which is at the 4000 level. In selecting courses beyond the required core, students enrich the scope of their knowledge, and are able to prepare for employment or advancement in a way that matches their particular interests, abilities, and occupational goals. While some students begin employment with a Bachelor's degree, in order to advance professionally, many students go on to pursue graduate degrees in psychology or social work. The program provides majors with a strong background for entering graduate studies in many related fields of human service.

Requirements for a Bachelor of Arts (B.A.) Degree in Psychology

A. Liberal Education Curriculum

Refer to the Liberal Education Curriculum Bulletin for specific requirements.

B. Core Requirements

44 credits

1. PY2010 Introduction to Psychology
2. PY3110 Research Methods I: (Orientation)
3. PY3120 Research Methods II: (Statistics)
4. PY4100 Research Methods III (Advanced Research Skills)
5. PY4130 Field Experience and Research
6. One 5000 level Senior

Seminar (Note: All 5000

level courses meet this requirement);

C. Five Electives

1. Group A Platform Elective
2. Group B Platform Elective
3. Group C Platform Elective
4. 3000/4000 Level Elective
5. 4000 Level Elective

D. Minimum Psychology GPA

A grade of C or better in each of the following courses: Introductory Psychology, Research Methods I, II, and III; Field Experience & Research; Senior Seminar; and one platform course each from Groups A, B, and C

OR

A cumulative grade point average of 2.5 in all 11 courses required for major.

Requirements for a Bachelor of Science (B.S.) Degree in Psychology

Students who want to receive a Bachelor of Science degree must have their program approved by a Psychology advisor no later than the end of the first half of their junior year.

In order to receive a Bachelor of Science degree (B.S.), a student must fulfill all the requirements for the B.A. and, in addition, must complete the following:

a. Math at the pre-calculus level or higher (currently MA2090); and

b. Two years (i.e., 4 semesters) of science courses (Biology, Chemistry, and Physics) with laboratory, (e.g. Biology I & II with lab and Chemistry I & II with lab).

OVERVIEW OF COURSE REQUIREMENTS AND LIST OF COURSES

SIX CORE COURSES

Introduction to Psychology
Research Methods I
Research Methods II – Statistics
Research Methods III
Field Experience & Research

FIVE ELECTIVES

Group A Platform Elective
Group B Platform Elective
Group C Platform Elective
3000-/4000-level Elective
(from Group A, B, and C Electives)
4000-level Elective (from Group A, B, and C Electives)

Introduction to Psychology (PY2010)

A survey course that exposes students to the major subfields in the discipline

[MINIMUM GRADE OF C REQUIRED]

Research Methods I (PY3110)

An orientation to research methods and report writing in psychology.

[MINIMUM GRADE OF C REQUIRED]

Research Methods II-Statistics

(PY3120)

A course in research statistics for psychology majors.

[MINIMUM GRADE OF C REQUIRED]

Research Methods III (PY4100)

An advanced research methods course.

[MINIMUM GRADE OF C REQUIRED]

Field Experience

& Research (PY4130)

Includes an internship in which students engage in supervised field work in consultation with a faculty member.

Senior Seminar

A 5000-level course in a specific area of psychology. Course offerings vary each semester, and include the following:

- PY5210 Advanced Perspectives in Developmental Psychology
- PY5310 Approaches to Psychotherapy
- PY5320 Advanced Issues in Clinical Psychology
- PY5330 Topics in Personality Theory
- PY5410 The Psychology of Language
- PY5510 Advanced Issues in Social Psychology
- PY5520 Families & Public Policy
- PY5610 Research Perspectives in Neuropsychology
- PY5770 Cross-Cultural Psychology

PLATFORM ELECTIVES

Group A -Cognitive & Physiological

- PY3410 Cognitive Psychology
- PY3420 Learning & Motivation
- PY3610 Brain & Behavior
- PY3620 Drugs and Behavior
- PY4401 Developmental Neuropathology
- PY4402 Neuropsychopharmacology

Group B - Clinical, Developmental, & Social

- PY3215 Foundations of Child Development
- PY3310 Abnormal Human Behavior
- PY3311 Theories of Personality
- PY3510 Social Psychology

Group C - Diversity & Social Justice

- PY2340 Community Psychology
- PY2530 Psychology of Prejudice
- PY2720 Psychology of Gender
- PY3710 Psychology & Social Justice

GROUP A ELECTIVES

Cognitive

- PY3410 Cognitive Psychology
- PY3420 Learning & Motivation
- PY3430 Psychology of Decision-Making and Judgment
- PY3610 Brain & Behavior
- PY3620 Drugs and Behavior
- PY4230 The Psychobiology of Aging
- PY4403 Cognitive Neuroscience
- PY4410 Educational Psychology
- PY4610 Clinical Neuropsychology
- PY5404 Environmental Neuroplasticity

GROUP B ELECTIVES

Clinical & Personality

- PY3020 Health Psychology
- PY3310 Abnormal Human Behavior
- PY3311 Theories of Personality
- PY3320 Peer Counseling
- PY3330 Psychology of Addictions
- PY3530 Forensic Psychology

PY4320 Counseling Psychology

PY4330 Behavior Modification

PY4340 Clinical & Educational Assessment

PY4520 Family Dynamics

PY4560 Psychological Traumatization

Developmental

PY3215 Foundations of Child Development

PY3230 Adulthood & Aging

PY3500 Personal & Professional Decision Making

PY4210 The Exceptional Child

PY4420 Adolescent Development

PY4450 Infants & Toddlers

Social

PY3500 Personal & Professional Decision Making

PY3510 Social Psychology

PY3520 Group Process

PY3540 Environmental Psychology

PY3550 Social Psychology of Work

PY3565 Organizational Psychology

PY4010 History of Psychology

PY4140 Internship in Applied Psychology

PY4350 Psychology of Violence

GROUP C ELECTIVES

Diversity & Social Justice

PY2340 Community Psychology

PY2530 Psychology of Prejudice

PY2720 Psychology of Gender

PY2730 Psychology of Peoples of African Descent in the US

PY3710 Psychology & Social Justice

PY3740 Psychology of Latinos

PY3750 Psychology of Asian Americans

PY4720 Psychology of Women

PY4730 African-American Family Dynamics

Declaring a Major

1. Students must make an appointment with a Psychology advisor.
2. Students must bring a transcript of all courses taken at **Old Westbury and elsewhere**.
3. Students with fewer than 57 credits must have received a C or better in PY2010 Introduction to Psychology to declare a major.
4. Students with 57 credits or more who have not taken PY2010 Introduction to Psychology or have not received a C or better will be allowed to declare but their continuation will be contingent on taking or retaking the course and receiving a C or better.

Evening Students

The Psychology program offers the core required courses and electives in the evening on a rotating basis. However, completion of the major typically takes longer for evening students.

Transfer Students

General Guidelines

1. The transfer student must complete 44 credits in psychology, including approved and applicable transfer credits and Old Westbury credits, to complete the major (students should check with their advisor for details of actual requirements). Twenty-four (24) of the credits required for the major must be taken at Old Westbury.
2. A maximum of 20 credits can be credited toward the major from other accredited college experience. Additional psychology credits can count toward the baccalaureate degree but not toward the major requirement.
3. Courses will be transferred based upon the number of credits earned at the previous institution, even though a similar course at Old Westbury earns fewer or more credits.
4. Research Methods II: Statistics (PY3120) is a requirement for all majors. It may be met by transfer if the course taken was an introductory course in Psychological Statistics having an equivalent curriculum. If the course was taken in another discipline (Math, Business, etc.), students may take a placement examination. Upon passing, the requirement will be waived (consult with the instructor of statistics). Students who completed Psychological Statistics more than seven years ago and/or whose background is weak, must consult an advisor about repeating the course.

Specific Procedures

Transfer students who wish to receive transfer credit in the major for psychology courses completed at other institutions must submit, to a psychology faculty member, a catalogue course description and a transcript of all psychology courses for which transfer credit is being sought.

PUBLIC HEALTH DEPARTMENT

Professor: Martha Livingston, *Chair*

Assistant Professors: Fetsum Rahwa Haile, Christopher Hartmann, Shijian Li, Sarah Smith

Consistent with the College's core social-justice mission, Public Health has been taught since the College's inception with a strong emphasis on the social determinants of health.

Public Health is an increasingly well-known and important field of study. Many colleges have created public health departments in recent years. Old Westbury students, however, have the benefit of a program that has been teaching undergraduates the core principles and disciplines of public health for many years.

In Public Health, students learn how the social, political and economic environment shape our ability to lead decent, healthy, productive lives. Students learn about health professions, careers and the institutions of the U.S. health care system; study the foundational public health principles of epidemiology, biostatistics and research methods; conduct internships and research in community-based health-care settings, developing contacts and real-world experience; and study a wide range of health-related topics from health care administration to public health ethics, from health education to women's health, from aging to health law and health policy, nutrition, human sexuality, substance use and numerous other areas of special interest.

COURSE OF STUDY

The course of study offered in Public Health prepares students for post-graduation employment in public health departments, public health education and promotion, health-care administration, social work, counseling, and numerous other health-related fields, as well as providing a solid foundation for graduate-level study in public health, counseling and social work, and numerous varied allied-health fields.

Students are required to take Biology: either BS 2100, Biology for Non-Majors (1 semester), BS 2300-2310, Anatomy and Physiology (2 semesters), or BS 2400-2410, Biology for Majors (2 semesters), depending on their career goals. In addition, students must take two introductory courses, PH 3600, Introduction to the Social Determinants of Health, and PH 3610, Introduction to the U.S. Health Care System; PH 4670, Biostatistics; PH 4800, Epidemiology; PH 4900, Field Placement; PH 5900, Research Methods; PH 5920, Senior Seminar; and 3 PH elective courses.

Requirements for a Bachelor of Science (B.S.) Degree in Health and Society

In addition to College-wide requirements including Liberal Education Curriculum, students who plan to pursue a degree in Health and Society must take a minimum of 11 courses to fulfill degree requirements. The basic requirements for the degree are:

1. Seven core courses in Public Health Department (28 credits):

- PH 3600 Introduction to the Social Determinants of Health
- PH 3610 Introduction to the U.S. Health Care System
- PH 4670 Biostatistics
- PH 4800 Epidemiology
- PH 4900 Field Placement
- PH 5900 Research Methods
- PH 5920 Senior Seminar

2. Three Public Health Department electives (12 credits).

3. One semester of Biological Sciences (4 credits):

- BS 2100 Biology for Non-Majors
- OR**
- BS 2300 Anatomy and Physiology I
- OR**
- BS 2310 Anatomy and Physiology II
- OR**
- BS 2400 Basic Biological Sciences I
- OR**

BS 2410 Basic Biological Sciences II.

All courses in the major must be completed with a grade of C or better.

Public Health Department Electives 12 Credits

Students may choose any three of these courses to satisfy the requirement for the major.

- PH3200 Nutrition and Society
- PH4450 Human Sexuality
- PH4600 Health Program Planning and Evaluation
- PH4610 Women's Health
- PH4631 Mental Health
- PH4650 Substance Use and Abuse
- PH4661 Health Education
- PH4680 Environmental Health
- PH4700 Medical Anthropology
- PH4750 Aging and Social Policy
- PH4760 Health Administration
- PH4770 Occupational Health
- PH4790 Health Policy
- PH4810 Ethics in Public Health
- PH4820 Health Law

PH4850 Global Health
PH4890 Environmental Policy and Politics
PH4920 Special Topics in Public Health
PH4930 Immigrant and Refugee Health
PE4430 Health Economics
PY3020 Health Psychology
SY3750 Medical Psychology

Field Placement

All Public Health students must complete a 90-hour internship. Depending on their interests, students work in a wide variety of health settings. The fieldwork experience is an integral part of the Public Health program.

SOCIOLOGY DEPARTMENT

Professor: Gilda Zwerman

Associate Professors: Lee Blackstone, *Chair*; Jacob Heller, Eileen Landy (on leave),
Diana Papademas, Ryoko Yamamoto

Assistant Professors: Jillian Crocker, Peter Ikeler, Laura Limonic, Dana Prewitt, Amanda Shighihara

Visiting Instructors: Rachel Kalish, Keisha Goode

MISSION STATEMENT

The Sociology Department provides students with a liberal arts education based on a sociological understanding of human behavior, culture, and society through scientific inquiry. Our majors in Sociology and Criminology provide a foundation for intellectual development, civic responsibility, global awareness, and the pursuance of social justice in a diverse society. The Department empowers students with an opportunity to conduct original research and encourages them to assess social issues critically. The Sociology Department's faculty are committed to preparing students from every background for graduate degree programs, as well as for careers in teaching, social work, law, research-oriented positions, and a variety of other professional endeavors.

The Department of Sociology offers two majors in Sociology, which lead to either a Bachelor of Arts (B.A.) or a Bachelor of Science (B.S.) Degree, and a major in Criminology, which leads to a Bachelor of Science (B.S.) Degree.

The Department serves all students interested in acquiring sociological knowledge. Most courses are open to both majors and non-majors. The sociological perspective offers students an opportunity to develop and refine their 'sociological imagination', through which the dynamics, principles, and patterns that govern human interaction and social structure are critically understood. At Old Westbury, students will learn the substantive knowledge, theories and methods of the discipline. Students exposed to sociology or criminology in this way will be enabled to analyze and interpret complex patterns in quantitative and qualitative data, thereby increasing and clarifying their understanding of social life.

THE SOCIOLOGY MAJOR

The Sociology Major has five components.

- Basic courses provide students who have no training in sociology with a general introduction to the discipline.
- Foundation courses provide necessary grounding in sociological theory, analysis and methods.
- Cross-cultural component courses which will enhance sociological analysis in a global perspective.
- Elective courses chosen by majors allow students to delve more deeply in specific areas. (These courses are open to non-majors as well.)
- The senior seminar capstone course requires all majors to conduct an original primary research project and complete a senior thesis.

Evening Students

The Department offers a full-time major for day and evening students. Students who plan to earn a B.A. or B.S. degree in Sociology by attending only evening classes should expect to spend three or more additional years.

Graduate School Preparation

The major in sociology prepares students for a wide variety of graduate and professional programs, including

Social Work, Social Policy and Law as well as graduate study leading to the Ph.D. Students intending to pursue graduate education should consult a faculty advisor.

Course Recommendations

The Department of Sociology recognizes that students will benefit from taking a broad range of liberal arts classes outside the major – from courses in the fine arts or literature to biological sciences or mathematics. Specifically, the Department recommends students consider courses in psychology, economics, philosophy, political science and history as a supplement to required courses.

Students interested in graduate school or future research occupations are encouraged to take courses in social statistics and the use of computers. The department strongly recommends that students who plan to pursue client-oriented professional work (e.g., social work, law, journalism) take courses to become proficient in Spanish, or another foreign language.

NOTE: None of these courses are prerequisites for sociology majors; they are courses that will give students a useful background for the major.

LEARNING OUTCOMES

Sociology majors will demonstrate:

- Knowledge of key theories, concepts, and perspectives in the discipline, and the ability to critically apply them when analyzing social issues
- Knowledge of research skills and techniques commonly utilized by social scientists, and the ability to apply them when examining social phenomena.

Requirements for a Bachelor of Arts (B.A.) Degree or Bachelor of Science (B.S.) Degree in Sociology

Total credits required: 120 (90 credits of liberal arts are required for the B.A. degree; 60 credits of liberal arts are required for the B.S. degree.) A minimum grade of C- or higher is required for all courses counted toward the major.

A. Liberal Education Curriculum

Refer to the Liberal Education Curriculum Bulletin for specific requirements.

B. Major Requirements: **40 credits**

In addition to college-wide requirements, students majoring in sociology must pass a minimum of ten courses, each with a grade of C- or better, and maintain a minimum 2.0 GPA in the major. The specific course requirements for the major are:

1. SY1500 Introductory Sociology **4 credits**
2. Three elective courses from the following list. At least two of these three elective courses must be at the 4000-level. Freshmen and Sophomores are encouraged to take electives at the 2000 and 3000 level. **12 credits**
 - SY2400 Sociology Through the Arts
 - SY2550 Social Problems
 - SY2600 Social Deviance
 - SY2800 Race, Class, Gender and Sexuality
 - SY3160 Sociology of Culture
 - SY3280 Social Inequality
 - SY3630 Political Sociology
 - SY3700 Family and Society
 - SY3750 Medical Sociology
 - SY3800 Race and Ethnicity
 - SY3900 Social Movements
 - SY3910 Sociology of Work
 - SY4260 Social Work: Theory and Practice

- SY4270 Internship in Social Work, Sociology and Criminology
- SY4400 Social Psychology
- SY4500 Global Sociology
- SY4600 Social Programs, Planning and Policy
- SY4651 Sociology of Communications and Media
- SY4810 Law and Justice
- SY4830 Gender and Society
- SY4850 Urban and Suburban Sociology
- SY4950 Sociology of Music
- SY4999 Issues in Sociology
- CR2090 Juvenile Delinquency
- CR3092 Victimology
- CR3093 Criminal Justice Administration
- CR3094 Drugs and Society
- CR3117 Sex, Violence and Social Control
- CR3200 Crime, Media and Culture
- CR4000 Gender, Crime and Justice
- CR4091 Punishment and Corrections
- CR4099 Sociology of Violence
- CR4999 Issues in Criminology

3. Four Sociological Foundation courses: **16 credits**

- SY4520 Research Methods I
- SY4530 Sociological Theory I
- SY4540 Sociological Theory II
- SY4570 Research Methods II

NOTE: SY4530 Sociological Theory I must be

successfully completed before enrolling in SY4540 Sociological Theory II. SY4520 Research Methods I must be successfully completed before enrolling in SY4570 Research Methods II.

4. Cross Cultural Component 4 credits

One course chosen from among the following list:

- CR3094 Drugs and Society
- CR3200 Crime, Media and Culture
- SY3160 Sociology of Culture
- SY3700 Family and Society

- SY4500 Global Sociology
- SY4651 Sociology of Communications and Media
- SY4950 Sociology of Music

5. SY5990 Senior Seminar

6. Students may repeat any Sociology/ Criminology course used to fulfill their major requirements, only once.

C. General Electives

In consultation with an academic advisor

Transfer Students

The Sociology Department permits the application of transfer credits toward the major with these limitations:

1. Introductory Sociology may be transferred.
2. Up to two additional courses may be transferred toward the requirements of the major, one of which may be a foundation course if passed with a grade of C- or better at an accredited four-year college or university.
 - a. they may be drawn from the courses approved in articulation agreements with other colleges;
 - b. they may be drawn from courses taken at other colleges, provided they have been reviewed and approved by a Sociology faculty member.

Requests for exceptions will be considered in accordance with established department policies and procedures.

Special Requirements

Senior standing in sociology requires a student to have:

1. Completed 100 credits (including transfer credits);
2. Satisfied the College-wide requirements of mastery in English and computational skills;
3. Passed all foundation courses (SY4520, SY4530, SY4540, SY4570) and at least one 4000-level elective, all with a "C-" or better.

To enroll in the Senior Seminar (SY5990), students must have attained senior standing as majors in sociology, and have successfully completed SY4520 Research Methods I, SY4530 Sociological Theory I, SY4540 Sociological Theory II, and SY4570 Research Methods II.

THE CRIMINOLOGY MAJOR

The Criminology major is offered by the Sociology Department, and therefore it draws extensively from the sociological discipline to prepare students for understanding crime and delinquency. The major in criminology leads to the Bachelor of Science (B.S.) degree. The Sociology Department provides students with the tools to critically evaluate the structural, cultural and institutional social forces which affect the processes of making laws, breaking laws, and the societal reactions towards deviance and the breaking of laws. The major is highly relevant to those seeking to advance in the fields of law enforcement, corrections, and legal professions.

The Criminology Major has four components:

1. Basic courses provide students who have no training in sociology with a general introduction to the discipline.
2. Foundation courses provide necessary grounding in sociological and criminological theory, analysis, and methods.
3. Elective courses chosen by majors allow students to delve more deeply in specific areas pertaining to both criminological and sociological study. (These courses are open to non-majors as well.)
4. The Senior Seminar Capstone course requires all majors to conduct an original primary research project and complete a senior thesis.

LEARNING OUTCOMES

Criminology majors will demonstrate:

- Knowledge of key theories, concepts, and perspectives in the discipline, and the ability to critically apply them when analyzing social issues;

- Knowledge of research skills and techniques commonly utilized by social scientists, and the ability to apply them to issues surrounding crime, deviance, and legal institutions.

Requirements for a Bachelor of Science (B.S.) Degree in Criminology

A total of 120 credits is required for the B.S. degree, including a minimum of 60 credits of liberal arts. A minimum grade of C- or higher is required for all courses counted toward the major. A minimum 2.0 GPA is required in the major.

A. Liberal Education Curriculum

Refer to the Liberal Education Curriculum Bulletin for specific requirements.

B. Major Requirements:

	40 credits		
1. Introductory Courses (2 courses)	8 credits	SY4810 Law and Justice	
SY1500 Introductory Sociology		3. Foundation Courses (4 courses)	16 credits
CR1500 Introduction to Criminology		SY4520 Research Methods I	
2. Elective Courses (3 courses)	12 credits	SY4530 Sociological Theory I	
CR2090 Juvenile Delinquency		SY4570 Research Methods II	
CR3092 Victimology		CR4550 Theories of Crime	
CR3093 Criminal Justice Administration		NOTE: SY4520 Research Methods I must be	
CR3094 Drugs and Society		successfully completed before enrolling in SY4570	
CR3117 Sex, Violence and Social Control		Research Methods II.	
CR3200 Crime, Media and Culture		4. The Capstone Course	4 credits
CR4000 Gender, Crime and Justice		SY5990 Senior Seminar	
CR4091 Punishment and Corrections		5. Students may repeat any Sociology/Criminology	
CR4099 Sociology of Violence		course used to fulfill their major requirements only	
CR4999 Issues in Criminology		once.	
SY2600 Social Deviance		C. General Electives	
SY4270 Internship in Social Work, Sociology and			
Criminology			

Evening Students

While some courses may be offered in the evening, the full array of courses will only be available during the day. The major cannot, at this time, be completed in the evening.

Transfer Students

The Sociology Department permits the application of credits for up to three courses toward the major in Criminology with these limitations: Introductory Sociology and/or Introduction to Criminology may be transferred from colleges with which we have articulation agreements that include such an equivalent course. One additional course may be transferred to apply to the major electives, provided that it has been reviewed and deemed equivalent by a Sociology Department Faculty Advisor or students may use one transfer course to substitute for a foundation course if passed with a grade of C- or better at an accredited four-year college or university. Exceptions to these rules will be considered in accordance with established department policies and procedures.

Special Requirements:

Senior Standing in Criminology requires a student to have:

1. Completed 100 credits (including transfer credits);
2. Satisfied the College-wide requirements of mastery in English and computational skills;
3. Passed all foundation courses (SY4520, SY4530, SY4570, and CR4550) and at least one 4000-level elective, all with a "C-" or better.

To enroll in the Senior Seminar (SY5990), students must have attained senior standing as majors in criminology, and have successfully completed SY 4520, Research Methods I, SY 4530 Sociological Theory I, CR 4550 Theories of Crime, and SY 4570 Research Methods II.

Social Work Minor

The interdisciplinary minor in Social Work is designed to provide a concentration for students in all academic majors who have an interest in Social Work. The minor is particularly useful to students planning a career in Social Work. The minor offers students an opportunity to study selected areas of social work. The minor requires five courses (20 credits) distributed in five clusters. A minimum of 16 credits must be taken outside the student's major. No more than one course may be transferred from another institution. Refer to Catalog section entitled "Minors" for specific requirements.

VISUAL ARTS DEPARTMENT

Distinguished Teaching Professor: Mac Adams

Associate Professors: Catherine Bernard, Christine Griffin, Patricia McLaughlin

Assistant Professors: Patricia Harris, *Chair*;

Director, Amelie A. Wallace Gallery: Hyewon Yi

Students may earn a Bachelor of Arts degree (B.A.) in Visual Arts, a Bachelor of Science degree (B.S.) in Visual Arts: Electronic Media or a Bachelor of Fine Arts degree (B.F.A) with two concentrations: Studio Arts and Electronic Media, by completing requirements in the Visual Arts program.

The Visual Arts Program focuses on a problem and project oriented course of study. Skills are developed as students need them; thus students feel free to use and even invent media related to expressive needs. Students do not have to postpone creation until they have mastered a whole set of techniques. Students are urged to blend technical education with creative projects.

The aim of the department is to develop students' awareness of creative processes as well as their understanding of the relationships between art and society. The program of study for majors includes the study of art history and an introduction to the practical problems associated with the pursuit of careers in art. Faculty emphasize the appropriate selection of elective courses in non-art areas. Specific courses in economics, anthropology, sociology, basic sciences, psychology and business are recommended.

The department's course of study is divided into three levels. First, the foundation level allows students to differentiate between authentic personal decisions and those dictated by social and cultural conditions. Second, a tutorial level allows students to focus on creative problems connected with their personal decisions and to understand their relation to the decisions of others. Third, a final critical level enables students to develop a quality control for the formal solutions of the projects and to relate them to the larger professional world.

As the student's work develops, their main area of interest will inform their choice of internship as well as their decision whether to pursue a B.A., B.S., or B.F.A. degree. B.A. and B.S. students will take part in a group exhibition in the Amelie A. Wallace Gallery. BFA students will have a one-person exhibition in this same gallery.

Professionally, Visual Arts graduates have chosen either to continue their education by pursuing a Master of Arts degree, or to enter directly into the work world. A sampling of careers that graduates have entered include: advertising, graphic and corporate design, interior design, typography, photography, gallery management, art therapy, publishing, television and teaching.

Liberal Education Curriculum Notes

Students who are not Visual Arts majors are encouraged to take courses in art to broaden their education and strengthen their skills. Non-majors may select from the following list of Visual Arts courses in fulfilling their Liberal Education Curriculum requirement.

VA2000	Introduction to the Arts		Photography	VA3100	Visual Culture -Warhol
VA2010	Introduction to Creative Thinking	VA2460	Painting I		to the Present
		VA2500	Art History I:	VA3350	Topics in
VA2020	Basic Design		19th Century Art		Contemporary Art
VA2030	Drawing	VA2510	Art History II:	VA3380	Digital Video
VA2045	Introduction to Color		Modern Art: 1900-1945	VA3400	Digital Imaging
VA2320	Graphic Design I	VA2520	History of Photography	VA3440	Intro to African Arts
VA2400	Introduction to	VA2750	Sculpture I	VA4460	Digital Animation

Evening Students

At this time it is not possible for a student to earn a degree in Visual Arts by attending courses exclusively in the evening.

Transfer Students

Transfer credits are evaluated for satisfaction of program requirements.

Art Majors

In order to start the Tutorial Sequence and complete it, Visual Arts majors need to maintain a 3.0 average in all Visual Arts courses.

Requirements for a Bachelor of Arts (B.A.) Degree in Visual Arts (minimum 48 credits in Visual Arts)

To earn a B.A. Degree in Visual Arts, students must complete the Liberal Education Curriculum requirements and 48 credits in required courses in the Visual Arts department. A total of 120 credits is required for the degree. Credits for experiential learning are considered in satisfying departmental requirements.

A. Liberal Education Curriculum

Refer to the Liberal Education Curriculum Bulletin for specific requirements.

B. Major Requirements

1st Level Foundation Courses – 20 cr. (This level must be completed before starting Tutorials.)

VA2010	Introduction to Creative Thinking	4 cr.
VA2020	Basic Design	4 cr.
VA2030	Drawing	4 cr.
*VA2045	Introduction to Color	4 cr.
VA2500 or VA2510	Art History I: 19th Century Art or Art History II: Modern Art:1900-1945	4 cr.

* (or Introduction to Art-taken before Fall 2008)

2nd Level Courses – 20 cr. (1st Level Courses Prerequisite)

In order to take Tutorials I, an average of 3.0 or better is needed in the first level Foundation Courses. This aver-

age has to be maintained in all Visual Arts courses in order to continue with Art Tutorials II and Art Tutorials III.

VA3100	Visual Culture – Warhol to Present	4 cr.
VA3200	Art Tutorials I	4 cr.
VA3400	Digital Imaging	4 cr.
VA4200	Art Tutorials II	4 cr.
VA5200	Art Tutorials III	4 cr.

Required Art Electives - 8 cr.

Art Elective	4 cr.
Art Elective	4 cr.

Group Exhibition

At the end of Tutorials III, B.A. candidates will be able to participate in a group show and exhibit their work at the Amelie A. Wallace Gallery.

Requirements for a Bachelor of Science (B.S.) Degree in Electronic Media (minimum 64 credits in Visual Arts and Electronic Media)

To earn a B.S. Degree in Visual Arts: Electronic Media, students must complete the Liberal Education Curriculum requirements, 48 credits in required Visual Arts courses and 16 credits in Electronic Media courses, for a total of 64 credits in the major. A total of 120 credits is required for the degree. Credits for experiential learning are considered in satisfying departmental requirements.

A. Liberal Education Curriculum

Refer to the Liberal Education Curriculum Bulletin for specific requirements.

B. Major Requirements

1st Level Foundation Courses – 20 cr. (This level must be completed before starting Tutorials.)

VA2010	Intro. to Creative Thinking	4 cr.
VA2020	Basic Design	4 cr.
VA2030	Drawing	4 cr.
*VA2045	Introduction to Color	4 cr.
VA2500 or VA2510	Art History I: 19th Century Art	

or Art History II: Modern Art:1900-1945 4 cr.
*(or Introduction to Art-taken before Fall 2008)

2nd Level Courses – 20 cr. (1st Level Courses Prerequisite)

In order to take Tutorials I, an average of 3.0 or better is needed in the first level Foundation Courses. This average has to be maintained in all Visual Arts courses in order to continue with Art Tutorials II and Art Tutorials III.

VA3100	Visual Culture – Warhol to Present	4 cr.
VA3200	Art Tutorials I	4 cr.

VA3400	Digital Imaging	4 cr.	Required Art Electives - 8 cr.	
VA4200	Art Tutorials II	4 cr.	VA 4900 Internship	4 cr.
VA5200	Art Tutorials III	4 cr.	Art Elective	4 cr.
			Art Elective	4 cr.

Required Electronic Media courses -16 cr.

Choose 4 courses from the following:			VA4265	3D Digital Design	4 cr.
VA2320	Graphic Design I	4 cr.	VA4360	Advanced Electronic and Animation	4 cr.
VA3380	Digital Video	4 cr.	Group Exhibition: At the end of Tutorial III, B.S. candidates will be able to participate in a group show and exhibit their work at the Amelie A. Wallace Gallery.		
VA4260	Interactive Web Design	4 cr.			
VA4320	Graphic Design II	4 cr.			
VA4460	Digital Animation	4 cr.			

Requirements for a Bachelor of Fine Arts degree in Studio Arts or Electronic Media (Minimum 72 credits in Visual Arts)

To earn a B.F.A. degree (Studio Arts or Electronic Media), students must complete the Liberal Education Curriculum requirements and 72 credits in required Visual Arts courses. A total of 120 credits is required for the degree. Credits for experiential learning are considered in satisfying departmental requirements.

A. Liberal Education Curriculum

Refer to the Liberal Education Curriculum bulletin for specific requirements.

B. Major Requirements

1st Level Foundation courses – 20cr. (This level must be completed before starting Tutorials).

VA2010	Intro to Creative Thinking	4 cr.
VA2020	Basic Design	4 cr.
VA2030	Drawing	4 cr.
VA2510	Art History Survey I or II	4 cr.
*VA2045	Introduction to Color	4 cr.

*(or Intro. to Art-taken before Fall 2008)

2nd Level courses – 20cr. (1st Level Courses Prerequisite)

VA3100	Visual Culture – Warhol to Present	4 cr.
VA3200	Art Tutorials I	4 cr.
VA3400	Digital Imaging	4 cr.
VA4200	Art Tutorials II (BA Studio Art majors)	4 cr.
VA5200	Art Tutorials III	4 cr.

Required VA courses: (12 cr.)

VA4900	Internship	4 cr.
VA5900	Senior Project (solo exhibition)	4 cr.
A Third	Art History Course	4 cr.

Required VA courses: Select 5 - (20 cr.)

VA2320	Graphic Design I (formerly 4242 Print Design)	4 cr.
VA2400	Intro to Photo	4 cr.
VA2460	Painting I	4 cr.
VA2750	Sculpture I	4 cr.
VA3380	Digital Video	4 cr.
VA4260	Interactive Web Design	4 cr.
VA4460	Digital Animation	4 cr.
VA4265	Advanced 3D Digital Design and Animation	4 cr.
VA4320	Graphic Design II	4 cr.
VA4360	Advanced 3D Design and Animation	4 cr.
VA 3460	Painting II	4 cr.
VA4750	Sculpture II	4 cr.
VA Elective		4 cr.

At the end of Senior Projects, B.F.A. candidates will participate in a one-person exhibition in the Amelie A. Wallace Gallery.

WOMEN AND GENDER STUDIES PROGRAM

Director: Linda Camarasana, English

The Women and Gender Studies Program offers a minor (see Minors) as well as independent studies and internships. It is also affiliated with the Women's Center (see below).

Women and Gender Studies is a multidisciplinary field that examines the creation, reconstruction, and perpetuation of asymmetrical sex and gender systems, as well as their connections to other systems of power and inequality. It explores the ways in which gender intersects with women's and men's personal identities, health and well-being, social and cultural arrangements, economic and political systems, and our ways of knowing and understanding the world.

The minor examines how ideologies of sex and gender have influenced and been influenced by culture and society; literature and the arts; law and public policy; and health, science, and technology. It closes gaps in traditional higher education resulting from the exclusion of women and other marginalized groups from many fields of study.

This program of study empowers students through a feminist critique of social, cultural, and institutional structures that enables them to think more critically about their own lives and that inspires them to work as active citizens for social justice. The knowledge and skills attained from the Women and Gender Studies minor are valuable in such fields as education, social work, art, literature, business and human resources, scientific research and the health professions, law and public policy, media production, nonprofit advocacy, psychology, and information technology.

Women and Gender Studies Affiliated Faculty: Laura Anker, AS, FYE; Llana Barber, AS; Laura Chipley, AS; Amanda Frisken, AS; Jasmine Mitchell, AS; Carol Quirke, AS; Sujani Reddy, AS; Samara Smith, AS; Rita Colon Urban, BS; Judy Lloyd, CP; Linda Camarasana, EL; Jacqueline Emery, EL; Amara Graf, EL; Nicholas Powers, EL; Nicole Sieben, EL and SoE; Margaret Torrell, EL; Jessica Williams, EL; Edward Bever, HP; Maureen Feder-Marcus, HP; Sylvie Kande, HP; Caroline Sawyer, HP; Jing-yi Song, HP; Judy Walsh, HP; Sonia Assa, ML; Zenaida Madurka, ML; Kathleen O'Connor-Bater, ML; Carolyn Cocca, PEL; Tom Delgiudice, PEL; Fetsum-Rahwa Haile, PH; Shijian Li, PH; Martha Livingston, PH; Sarah Smith, PH; Minna Barrett, PY; Marty Cooper, PY; Ashlee Lien, PY; Laurette Morris, PY; Myeshia Price, PY; Lee Blackstone, SY; Jacob Heller, Rachel Kalizh, SY; Laura Limonic, SY; SY; Diana Papademas, SY; Dana Prewitt, SY; Amada Shigihara, SY; Ryoko Yamamoto, SY; Gilda Zwerman, SY; Patricia Harris, VA; Tricia McLaughlin, VA; Chirtina Notaro, SoA&S; Barbara Olsen, SoB.

WOMEN'S CENTER

The Women's Center is a resource center and safe space for the students, staff, faculty, and administration of the College at Old Westbury. It has three main goals:

- To educate and empower women and men about issues of gender and sexuality, health and well-being, and achievement
- To raise awareness of and to reduce gender and sexual discrimination and violence
- To champion diversity, to advocate for equity, to build community, and to promote social justice

The Center sponsors presentations, workshops, and film series as well as housing a small lending library on such topics as sexual harassment, sexual assault, dating and domestic violence, stalking, equal pay, equal job opportunities, equal sports opportunities, general women's health and wellness, sexual health, stereotypes of gender and sexuality, LGBT issues, eating disorders, poverty, pregnancy, contraception and abortion, parenting, etc. It offers opportunities for student internships, service learning, volunteering and work study, and also provides resources and referrals on all of the above issues.

The Women's Center also works closely with Student Affairs, Counseling and Career Services, Student Health Services, the First Year Experience Program, Residential Life, University Police, and the Nassau County Coalition Against Domestic Violence, to promote health and well being, to raise awareness of domestic and dating violence, sexual assault, and stalking and to prevent and reduce these crimes on campus.

SCHOOL OF BUSINESS

Administration of the School of Business:

Interim Dean of School of Business: Jishan Zhu

Assistant Dean of School of Business: Joel Feiner

Director of Graduate Programs: Cary Lange

Director of Career Services, External Relations & Administration: Lorraine Todisco

Department of Accounting, Taxation and Business Law: Peter Lucido, *Chair*

Department of Management, Marketing & Finance:, Albert Murphy, *Chair*

Mission:

The mission of the School of Business at State University of New York at Old Westbury, is to consistently provide a high quality business education to a diverse student population in a collaborative and supportive learning environment that emphasizes the application of knowledge, and stresses the ethical and professional responsibilities in a globally competitive business environment, while encouraging and promoting relevant research by faculty.

Vision:

The School of Business at State University of New York at Old Westbury, strives to be a notable business school in the region, comprising high quality undergraduate and graduate programs, distinguished faculty committed to teaching excellence and relevant research, and a highly diverse student population.

Our vision is to be a premier public school of business in the New York metropolitan area, recognized for the qual

The School of Business is committed to providing high quality business education to its students through its curriculum, its teaching, its academic support services, and its placement and internship program. The curriculum is continually updated to reflect the impact of information technology on the globalization of markets, production methods, and job qualifications. All business faculty place a high emphasis on teaching effectiveness and student accessibility. Faculty are encouraged to experiment with a diversity of approaches in transmitting information and ensuring that the classroom is a participatory learning environment. The School of Business realizes the importance of academic advisement as a key component in a student's college education. Academic support services are intended to complement the curriculum and teaching aspect of a student's business education. Students are encouraged to speak with faculty advisors and develop their own plan for success.

The School of Business comprises two departments: Accounting, Taxation and Business Law and Management, Marketing and Finance.

The School of Business offers the following undergraduate degrees: a Bachelor of Science degree in Accounting; a combined Bachelor of Science / Master of Science in Accounting, a combined Bachelor of Science / Master of Science in Taxation and a Bachelor of Science in Business Administration. The School of Business also offers two graduate degrees, the Master of Science in Accounting, and a Master of Science in Taxation, which are described in a different catalog.

Evening Students

The School of Business offers required and elective courses on a rotating basis from 5:30 p.m. to 10:20 p.m. to accommodate evening students. However, evening majors should note that not all courses are offered every semester in the evening; therefore, completion of their degrees may take longer than normal.

ADMISSION TO THE SCHOOL OF BUSINESS

Admission to either of the academic departments within the School of Business is a separate process from that of admission to the College. The College admission process is conducted through the Office of Enrollment Services and requires that official copies of all prior transcripts be sent directly to the Office of Enrollment Services.

Students may seek admission to the School of Business through the Office of the Undergraduate Programs once they have completed at least 32 undergraduate credits. Admission to the degree program in Business Administration, Marketing or Finance is granted to students who have earned a combined cumulative grade-point average (GPA) of 2.70 or above. Admission to the Accounting program requires a cumulative GPA of 3.00 or above. First time to college students who are admitted to the College's Honors College may be admitted directly into the School of Business without needing to satisfy the previous requirements. Unofficial or student copies of transcripts of all previous study must be submitted before an admission decision can be made. Students who do not have the minimum entry GPA may apply directly to the Office of Enrollment Services for an application for Special Consideration admission to the School of Business.

All students who are granted admission to the School of Business will have an entry interview with the Assistant Dean to discuss the following:

- Determine which degree program within the School would be most appropriate to achieve their educational and career goals
- Analyze previous academic transcripts to establish course equivalencies and waivers for departmental and college Liberal Education Curriculum requirements
- Delineate all departmental and college course and credit requirements for the degree selected and provide students with a comprehensive advisement guide that will enable them to fulfill course prerequisites and degree requirements in an orderly manner
- As part of our on-going advisement system students will be assigned a faculty advisor in their chosen discipline who will mentor and assist them in the interpretation of College, School of Business and departmental regulations, graduation requirements and the selection of an appropriate sequence of courses.

NON-MATRICULATED STUDENTS

Students who wish to continue their education by taking credit courses, without pursuing a degree, may elect to attend the college under a non-matriculated status. This option may be used by students who currently hold a bachelor's degree in a field of business and wish to take undergraduate courses needed to either enter the graduate program or to complete the courses that are required by the State Education Department to sit for the CPA examination. Such students should meet with the Assistant Dean to have their previous academic records evaluated and to determine what course/credit requirements need to be satisfied.

School of Business General Requirements

1. A minimum of 120 credits for the B.S. in Business Administration and 126 credits for the B.S. in Accounting
2. Sixty (60) credits in liberal arts
3. A minimum residence of 40 credits (BS in Business Administration) and 46 credits (BS in Accounting) at the College at Old Westbury, with at least 50% of the major curriculum courses completed at Old Westbury.
4. To graduate with a B.S. degree from the School of Business, a student must achieve both a 2.50 cumulative GPA in Old Westbury business curriculum courses and a cumulative GPA of 2.50 for all Old Westbury course work.

ACADEMIC STANDING

All students in the School of Business are expected to maintain a minimum 2.50 cumulative grade point average (GPA) in BOTH their business curriculum and in overall OW residence courses in order to continue in any major within the School of Business. If a student's overall GPA falls below this level, he/she is placed on academic probation within the School of Business. Two (2) successive semesters with a GPA below 2.50 may lead to dismissal from the School of Business. Appeals of such dismissals must be made directly to the School of Business Academic Review Committee.

SCHOOL OF BUSINESS INTERNSHIP PROGRAM

The Internship Program in the School of Business is designed to help students gain practical experience and explore career possibilities. The School of Business offers an optional Internship Program for academic credit to those students who meet the eligibility requirements. Recent examples of internship sponsors include a national accounting firm, a national car rental company, a nationwide insurance company, a national brokerage firm, a national shopping mall operator, a major entertainment venue, and several small and mid-size local accounting firms. Interested students should contact the chairs of their departments early in the semester prior to the semester during which they wish to participate in the School of Business Internship Program.

ACCOUNTING, TAXATION AND BUSINESS LAW

Professors: James Fornaro

Associate Professors: Rita Buttermilch, David Glodstein, Cary Lange,
Peter Lucido, *Chair*; Kenneth Winkelman

Assistant Professors: Anthony Barbera, Wen-Wen (Erica) Chien, Jeffrey D'Amico, Joseph Foy,
Linval Frazer, Lingxiang Li, Roger Mayer

The objective of this course of study is to provide students with the analytical skills and knowledge to enter any area of the accounting profession. Although the program is designed to prepare the student for entry into public accountancy, graduates are well prepared to meet the accountings needs of all types of enterprises.

While the College offers a B.S. degree in Accounting, a student who wishes to be licensed as a Certified Public Accountant (CPA) in New York State must now meet a more extensive education requirement. This generally requires completion of a 150-credit hour program of study.

Students who complete both their B.S. degree in Accounting and either their M.S. degree in Accounting or M.S. degree in Taxation at SUNY Old Westbury will satisfy this requirement.

Students who have completed their undergraduate course of study at another educational institution may enter the M.S. program to satisfy the 150-credit hour program of study required to obtain a New York State CPA license. The College offers M.S. programs both for students who have an undergraduate degree in Accounting and for those students who obtained an undergraduate degree in another area.

The College offers combined B.S./M.S. programs in Accounting and Taxation. The prestigious combined B.S. /M.S. programs offer a directed approach to students who wish to obtain a CPA license. Students in the programs are required to take six fewer credits than those students who independently obtain the degrees, yet they receive all of the educational and professional benefits of obtaining the B.S. and M.S. degrees. Students enrolled in the programs have the advantage of being notified of acceptance into the graduate portion of the program prior to their senior year. In addition, students applying for admission into the combined B.S. /M.S. programs who attain the required undergraduate GPA do not need to take the GMAT exam to be admitted to the graduate school.

Each of the combined B.S./M.S. programs has been registered with the State of New York and will fully satisfy the education requirements needed to obtain a New York State CPA license.

Requirements for the Bachelor of Science (B.S.) Degree in Accounting

A. Liberal Education Curriculum and Freshman Seminar

B. Courses in Accounting and Business

Accounting Courses Required:

BU3502	Principles of Accounting I	(3 cr.)
BU3511	Principles of Accounting II	(3 cr.)
BU4500	Intermediate Accounting I	
BU4510	Intermediate Accounting II	
BU4570	Federal Income Tax I	
BU4590	Cost Accounting	
BU5505	Essentials Government Non/Profit (2 cr.)	
BU5525	International Accounting (2 cr.)	
BU5540	Advanced Accounting	
BU5550	Auditing	

Accounting elective(s) (minimum 2 credits):

BU5520	Financial Accounting Research (2 cr.)
BU5555	Accounting Information Systems (2 cr.)
BU5560	Financial Statement Analysis (2 cr.)

Total Accounting Credits **36 cr.**

Business Courses Required:

MA2000	Applied Statistics
BU3600	Principles of Business Law (2 cr.)
BU3605	Intermediate Business Law (2 cr.)
BU3610	Advanced Business Law (2 cr.)
BU3800	Marketing Principles
BU4110	Organizational Behavior & Management
BU4762	Financial Management
BU5115	Operations Management
BU5190	Business Strategy & Policy

Total Accounting/Business Credits **66 cr.**

C. Liberal Arts Requirement: **18 cr.**

PE2420	Principles of Microeconomics (GE)
PE2430	Principles of Macroeconomics
BU3010	Information Systems for Managers
MA2300	Calculus for Business & Economics (GE)
BU3905	Business Communication (2 cr.)

D. Business or Liberal Arts Electives

TOTAL CREDITS REQUIRED **126 CR.**

COMBINED B.S./M.S. IN ACCOUNTING CURRICULUM**A. Liberal Education Curriculum****B. Courses in Accounting and Business****Accounting Courses Required:**

BU3502	Principles of Accounting I	(3 cr.)
BU3511	Principles of Accounting II	(3 cr.)
BU4500	Intermediate Accounting I	
BU4510	Intermediate Accounting II	
BU4570	Federal Income Tax I	
BU4590	Cost Accounting	
BU5505	Essentials Government Non/Profit (2 cr.)	
BU6540	Advanced Financial Accounting (3 cr.)	
BU6550	Auditing for Public Accounting (3 cr.)	

Total Accounting Credits 30 cr.**Business Courses Required:**

BU3600	Principles of Business Law (2 cr.)	
BU3605	Intermediate Business Law (2 cr.)	
BU3610	Advanced Business Law (2 cr.)	
BU3800	Marketing Principles	
BU4110	Organizational Behavior & Management (GE)	
BU4762	Financial Management	
BU5115	Operations Management	
BU5190	Business Strategy & Policy	
MA2000	Applied Statistics	

Total Business Credits 30 cr.**C. Liberal Arts Courses Required:**

PE2420	Principles of Microeconomics (GE)	
PE2430	Principles of Macroeconomics	
BU3010	Information Systems for Managers	
BU3905	Business Communication (2 cr.)	
MA2300	Calculus for Business & Economics (GE)	

Total Liberal Arts Credits 18 cr.**Graduate Courses in Accounting:**

BU7545	Financial Reporting & Analysis	
BU7547	International Accounting	
BU7555	Accounting Information Systems	
BU7556	Advanced Accounting & Assurances	
BU7560	Forensic Accounting	
BU7570	Tax for Corporate Taxation	
BU7590	Accounting Research	
BU7750	Money, Credit and Capital Markets	
BU7xxx	Accounting Taxation Elective	
BU7xxx	Accounting/Business Elective	

Total Graduate Credits in Accounting 30 cr**Total Credits Required Minimum 150 cr.****COMBINED BS/MS IN TAXATION CURRICULUM****A Liberal Education Curriculum****B. Courses in Accounting and Business****Accounting Courses Required:**

BU3502	Principles of Accounting I	(3 cr.)
BU3511	Principles of Accounting II	(3 cr.)
BU4500	Intermediate Accounting I	
BU4510	Intermediate Accounting II	
BU4570	Federal Income Tax I	
BU4590	Cost Accounting	
BU5505	Essentials Government Non/Profit (2 cr.)	
BU5525	International Accounting (2 cr.)	
BU6540	Advanced Financial Accounting	
BU6550	Auditing for Public Accounting	

Total Accounting Credits 32 cr.**Business Courses Required:**

BU3600	Principles of Business Law (2 cr.)	
BU3605	Intermediate Business Law (2 cr.)	
BU3610	Advanced Business Law (2 cr.)	
BU3800	Marketing Principles	
BU4110	Organizational Behavior & Management (GE)	
BU4762	Financial Management	
BU5115	Operations Management	
BU5190	Business Strategy & Policy	
MA2000	Applied Statistics	

Total Business Credits 30 cr.**C. Liberal Arts Courses Required:**

PE2420	Principles of Microeconomics (GE)	
PE2430	Principles of Macroeconomics	
BU3010	Information Systems for Managers	
BU3905	Business Communication (2 cr.)	
MA2300	Calculus for Business & Economics (GE)	

Total Liberal Arts Credits 18 cr.**Graduate Courses in Taxation:**

BU7570	Tax for Corporate Taxation	
BU7571	Tax Ethics, Practices & Procedures	
BU7572	Tax of S Corps, Partnerships & LLC	
BU7574	Estate & Gift Taxation	
BU7575	Taxation of Reorganizations & Liquidations	
BU7579	Tax & Accounting Research	
BU7xxx	Taxation Electives (two courses)	
BU7xxx	Accounting or Business Electives (two courses)	

Total Graduate Credits in Taxation 30 cr.**Total Credits Required Minimum 150 cr.**

MANAGEMENT, MARKETING AND FINANCE

Professors: Madeline Crocitto, Barbara Olsen

Associate Professors: Alireza Ebrahimi, Costas Hadjicharalambous, Albert Murphy, *Chair*; Zhihong Shi, Elena Smirnova, Lynn Walsh, Jishan Zhu

Assistant Professors: Yu Lei, Katarzyna Platt, Shalei Simms, Michael Onorato

The Department of Management, Marketing, and Finance offers Bachelor of Science degrees in Business Administration, Marketing and Finance. The Department is committed to providing a high quality business education to its students through its curriculum, teaching, academic support services, and placement and internship programs. The curriculum of each major is divided into two parts: a common core of business courses and courses in specialized areas of their disciplines.

The Business Administration degree focuses on the delivery of management knowledge and the practice of effective skills. Two areas of specialization are provided to accomplish the overall objective: Management and General Business. The purpose of the Management specialization is to present detailed and current information on the field while encouraging students to acquire the necessary knowledge and skills to function effectively in a variety of managerial activities. The General Business specialization's purpose is to provide students with a foundation in the functional areas of business and with the necessary theories and interpersonal skills to assume positions in a variety of industries, organizational types and/or functional areas.

The Marketing degree offers a path to exciting careers in our ever expanding marketplace with attention to ethically positioning goods and services for domestic and international markets. It explores marketing as a sustainable means of conceiving, pricing, distributing, acquiring and consuming goods and services in an increasingly competitive global economy. The emphasis is on managing and improving customer relationships by focusing on customer needs and developing products that satisfy these needs and provide superior value. The learning trajectory covers product development, branding and advertising, marketing research, logistics, and sales promotion using traditional and new media in campaigns coordinated around integrated marketing communications (IMC). Students are prepared for marketing careers and for graduate MBAs as they continue their education with the holistic foundation.

The Finance degree provides students with the mastery of skills needed to facilitate, organize, analyze, and evaluate financial transactions in domestic as well as global financial markets. The core courses convey the cognitive and analytic competencies that underlie the discipline of finance. The specialized courses emphasize and reinforce the conceptual and quantitative underpinnings of financial transactions. Students are prepared for gainful employment in financial institutions including: investment banks, finance companies, and financial intermediaries such as commercial banks, savings banks, and insurance companies. Students are also prepared for employment in: brokerage firms, investment advisory services, finance departments of non-financial corporations, nonprofit institutions, and governmental agencies.

Requirements for the Bachelor of Science (B.S.) Degree in Business Administration

A. Liberal Education Curriculum & Freshman Seminar

B. Business Core: 50 cr.

- PE2420 Principles of Microeconomics (GE)
- PE2430 Principles of Macroeconomics
- BU3010 Information Systems for Managers
- MA2000 Applied Statistics
- MA2300 Calculus for Business & Economics (GE)
- BU3502 Accounting I (3 cr.)
- BU3511 Accounting II (3 cr.)
- BU3600 Principles Business Law (2 cr.)
- BU3800 Marketing: Principles & Concepts
- BU3905 Business Communication (2 cr.)
- BU4110 Organizational Behavior & Management
- BU4762 Financial Management

BU5115 Operations Management

BU5190 Business Strategy & Policy

C. Students must choose one of the following degrees:

BS in Business Administration/Management: (5 courses with 16 credits min. OW)

BU4120 Global Business

BU5171 Human Resource Management

BU5196 Leadership

Select two of the following:

BU4035 Web Systems & Electronic Commerce

BU4130 Entrepreneurship

BU5125 Business Ethics

BU5195 Management Seminar

**BS in Business Admin. /General Business:
(5 courses w/16 credits min. OW)**

BU4120 Global Business
BU4774 Financial Markets & Institutions
BU4851 Consumer Behavior
BU5171 Human Resource Management

Select one of the following:

BU4035 Webs Systems & Electronic Commerce
BU4130 Entrepreneurship

BU5125 Business Ethics
BU5880 Brand Theory & Strategy

Departmental Requirements 70 cr.

D. General Electives

TOTAL CREDITS REQUIRED 120 Cr.

Requirements for the Bachelor of Science (B.S.) Degree in Marketing

A. Liberal Education Curriculum and Freshman Seminar

B. Business Core: 50 cr.

PE2420 Principles of Microeconomics (GE)
PE2430 Principles of Macroeconomics
BU3010 Information Systems for Managers
MA2000 Applied Statistics
MA2300 Calculus for Business & Economics (GE)
BU3502 Accounting I (3 cr.)
BU3511 Accounting II (3 cr.)
BU3600 Principles Business Law (2 cr.)
BU3800 Marketing: Principles & Concepts
BU3905 Business Communication (2 cr.)
BU4110 Organizational Behavior & Management

BU4762 Financial Management
BU5115 Operations Management
BU5190 Business Strategy & Policy

BS in Marketing: (5 courses with 16 credits min at OW)

BU4800 Marketing Research
BU4820 International Marketing
BU4851 Consumer Behavior
BU5841 Strategic Marketing
BU5880 Brand Theory & Strategy

Departmental Requirements 70 cr.

D. General Electives

TOTAL CREDITS REQUIRED 120 Cr.

Requirements for the Bachelor of Science (B.S.) Degree in Finance

A. Liberal Education Curriculum and Freshman Seminar

B. Business Core: 50 cr.

PE2420 Principles of Microeconomics (GE)
PE2430 Principles of Macroeconomics
BU3010 Information Systems for Managers
MA2000 Applied Statistics
MA2300 Calculus for Business & Economics (GE)
BU3502 Accounting I (3 cr.)
BU3511 Accounting II (3 cr.)
BU3600 Principles Business Law (2 cr.)
BU3800 Marketing: Principles & Concepts
BU3905 Business Communication (2 cr.)
BU4110 Organizational Behavior & Management
BU4762 Financial Management

BU5115 Operations Management
BU5190 Business Strategy & Policy

BS in Finance: (5 courses with 16 credits min. at OW)

BU4720 Global Financial Markets
BU4774 Financial Markets & Institutions
BU5710 Financial Modeling and Forecasting
BU5740 Investment Management & Security Analysis

Select of one of the following:

BU5760 Corporate Finance
BU5789 Futures & Options

Departmental Requirements 70 cr.

D. General Electives

TOTAL CREDITS REQUIRED 120 Cr.

SCHOOL OF EDUCATION

Administration of the School of Education:

Dean of the School of Education: Nancy Brown
Assistant Dean for Data Management and Assessment: Joshua Fyman
Director of Field Experiences: Vincent Juba
Director of Academic Support Services: Kenna Oleary
Technology Coordinator: Raul Zevallos
Childhood Education and Literacy Department: Amy Hsu, *Chair*
Exceptional Education and Learning Department: Sanja Cale, *Chair*
Adolescence Education Department: Xavier Marechaux, *Chair*

The School of Education at SUNY Old Westbury is proud to be among those institutions who have earned accreditation from the National Council for Accreditation of Teacher Education (NCATE), www.ncate.org, a specialized accrediting agency recognized by the U.S. Secretary of Education and the Council for Higher Education Accreditation. This accreditation covers initial teacher preparation programs and/or advanced educator preparation programs at Old Westbury. However, the accreditation does not include individual education courses that Old Westbury offers to P-12 educators for professional development, relicensure, or other purposes.

Graduates from an NCATE accredited teacher preparation program are in high demand because they are well-prepared for initial licensing and advanced board certification. Many states have reciprocity agreements based on graduation from NCATE accredited schools, so graduates of NCATE-accredited schools will generally find it easier to apply for a teaching license should they move out of state.

By achieving NCATE accreditation, the Old Westbury School of Education has illustrated that its teacher preparation program has met national standards set by the teaching profession and has undergone rigorous, external, impartial review by professionals, policy makers, and representatives of the public.

The mission of the School of Education is to prepare teacher candidates to be literate and progressive citizens who value human diversity and exemplify an appreciation for the interdisciplinary nature of knowledge and for learning as a lifelong process. The school seeks to develop teachers with the professional and personal characteristics and dispositions to facilitate the holistic development of all learners in the context of contemporary society.

Together with partners across the College and in the schools, faculty of the School of Education have developed a Conceptual Framework to implement the above mission and vision. The Conceptual Framework rests on three principles: a commitment to preparing teachers as professionals; a belief in the interdisciplinary nature of knowledge and practice; and an active engagement in promoting a just world. Teacher candidates explore these principles through course work and guided practice.

The School of Education comprises three departments: Childhood Education and Literacy, Exceptional Education and Learning and Adolescence Education. We offer programs leading to initial teacher certification in the following areas:

- Childhood Education – grades 1-6
- Childhood Education – grades 1-6 extended to Bilingual Education
- Special Education with Childhood Education – grades 1-6
- Special Education extended to Bilingual Education – grades 1-6
- Middle Childhood Education – grades 5-9 - in Biology or Chemistry or Mathematics or Spanish
- Adolescence Education – grades 7-12 - in Biology or Chemistry or Mathematics or Social Studies or Spanish

These programs provide professional courses and extensive field experience, including student teaching. Each course is planned to assist students in acquiring the knowledge and skills that will help them transmit the requisites of the New York State Learning Standards. All courses are designed so that students achieve competencies that have been identified by local school district personnel and prescribed by the New York State Education Department.

The School of Education has adopted a series of requirements for candidates at various transition points as they are admitted to and progress through the program. Further details about these requirements may be found in this catalog and in publications available from the School of Education.

School of Education Admission Requirements

	REQUIREMENTS
Admission to the SOE APPLICATION REQUIRED	<ul style="list-style-type: none"> • Completion of 48 credits • GPA \geq 3.0 • Content GPA \geq3.0 (Adolescence Education) • B or better in MA1020 or equivalent • B or better in EL1000, EL22XX • B or better in ED3950 (may only be repeated once.) <p>* Additional requirements will be furnished upon admission to the School of Education.</p> <p>* All School of Education requirements are contingent upon NYSED and SUNY graduation requirements and national accreditation requirements.</p>

Important notice: The New York State Education Department and the State University of New York periodically revise graduation and/or certification requirements for teachers. When changes occur, students are bound by the new requirements instead of those listed in this catalog.

* All students will be required to pay a mandatory data collection fee of \$133.00 upon your entry into the School of Education.

Evening Students

Every effort is made to offer some required courses in the evening. While students can expect to complete some of their required Education courses in the evening, it is important for all students to realize that some courses and all field experiences can only be offered during the day. Some courses will be taught completely off campus within school districts. Some students may find that they will need more than four years to complete all requirements.

Minimal Grade Requirements:

Grades of C- or lower are not accepted for any courses.

Credit/No Credit Option:

The Credit/No Credit option is not permitted for any Liberal Education Curriculum, concentration courses or program requirements.

Program Requirements:

All candidates must maintain a 3.0 in their overall GPA and Major. All candidates must complete a series of NYS mandated workshops for NYS certification and SUNY graduation. All candidates must complete an exit survey. Student teaching may not be repeated.

Advisement

- A full-time Director of Academic Support Services acts as advisor to all new and transfer students. Appointments may be made by contacting the School of Education secretary in Room 1046 or by calling (516) 876-3275/3216 or 334-3982.
- Education majors are assigned a faculty advisor after acceptance to the School of Education.
- Students must meet with their assigned advisor each semester.
- Adolescence Education majors obtain advisement from their disciplinary coordinators.
- Majors in Biology, Chemistry, Mathematics, Social Studies and Spanish also obtain formal advising within their respective content area department.

New York State Teacher Certification Examinations

Graduates requesting initial teacher certifications must pass the New York State Teacher Certification Examinations (NYSTCE). These are the Academic Literacy Skills Test (ALST), a test of the academic literacy skills necessary to teach in New York State public schools; the Educating All Students Test (EAS), a test of the professional and pedagogical knowledge and skills necessary to teach all students effectively in New York State public schools; the Multi-Subject Content Specialty Test (CST), a test of the content knowledge and skills necessary to teach effectively in New York State public schools, and the Teacher performance Assessment (edTPA). Special and Bilingual Education majors must also pass a CST in the area of specialization.

The most recent summary of NYSTCE results for all teacher education institutions in New York State - including SUNY Old Westbury - is available at the New York State Teacher Certification Examination (NYSTCE) website.

Liberal Education Curriculum Requirements

All students must fulfill the College's Liberal Education Curriculum requirements as stated in the *Liberal Education Curriculum Bulletin*. In addition, all Childhood and Exceptional Education majors must complete:

- An upper division literature course in English to satisfy the "Humanities" requirement
- Two natural science courses with lab
- Two mathematics courses, one of which must satisfy the College's mathematics proficiency requirement
- Two semesters of the same foreign language (American Sign Language is acceptable)
- Bilingual Education students must complete 2 courses in the Spanish language

Disciplinary Concentrations

All Childhood and Exceptional Education majors must complete a minimum of 8 courses in a disciplinary concentration in the liberal arts and sciences and must maintain a 3.0 GPA.

CHILDHOOD EDUCATION

Associate Professor: Kathleen Velsor, Amy Hsu, *Chair*
Assistant Professor: Anissa Lynch, Elizabeth Morphis, Stephanie Schneider, Blidi Stern

Requirements for the Majors

Bachelor of Science (B.S.) Degree in Childhood Education (Grades 1-6)

A. Liberal Education Curriculum-See requirements previously stated.

B. A 32 credit concentration in a liberal arts or science discipline.

Students may transfer a maximum of four of these courses from other institutions. The disciplinary concentrations are described later in this section of the catalog.

C. 36 credits in required Education courses:

- ED3700 Child Development for Teachers
- ED3820 Foundations of Special Education
- ED3950 Creating Schools for a Just Society*
- ED4050 Innovative Instructional Design and Assessment

- ED4121 Methods & Materials of Teaching Elementary Science Methods
- ED4122 Methods & Materials of Teaching Elementary Math Methods
- ED4200 Literacy for All Students
- ED4220 Language Arts in the Context of Childhood Education
- ED5925 Building a Classroom Community for All Learners

D. 12 credits in required field experiences:

- ED5940* Student Teaching & Seminar

* B or better required

Bachelor of Science (B.S.) Degree in Childhood Education with a Bilingual Extension/Spanish (Grades 1-6)

In addition to the admission requirements for the School of Education, students in the Bilingual Education Extension Program must demonstrate proficiency in oral and written Spanish by taking the OPIc and WPT exams.

A. General Education

See requirements previously stated.

B. A 32 credit concentration in a liberal arts or science discipline.

Students may transfer a maximum of four of these

courses from other institutions. The disciplinary concentrations are described later in this section of the catalog.

C. 50 credits in Education courses:

- ED/ML2600 Spanish & Methods of Teaching in the Content Areas for Bilingual Teachers
- ED3700 Child Development
- ED3820 Foundations of Special Education
- ED3950* Creating Schools for a Just Society

ED4050 Innovative Instructional Design and Assessment
 ED4121 Methods & Materials of Teaching Elementary Science
 ED4122 Methods & Materials of Teaching Elementary Mathematics
 ED4200 Literacy for All Students
 ED4220B Language Arts in the Context of Bilingual Childhood Education
 ED4250 Linguistics for Language Educators

ED4670 Methods & Materials of Teaching English as a Second Language
 ED5925 Building a Classroom Community for All Learners
 ED5926 Current Topics in Bilingual Education

D. 12 credits in required field experiences:

ED5940B Student Teaching in a Bilingual Classroom & Seminar

* B or better required

EXCEPTIONAL EDUCATION AND LEARNING

Professor: Hedva Lewittes

Associate Professor: Sanja Cale, *Chair*, Julio González Martínez, Diana Sukhram

Assistant Professor: Lauren Foxworth, Andrew Hershey,

Bachelor of Science (BS) Degree in Exceptional Education and Childhood Education (Grades 1 to 6) Dual Certification

A. General Education

See requirements previously stated.

B. A 32 Credit concentration on liberal arts or science discipline.

Students may transfer a maximum of four of these courses from other institutions. The disciplinary concentrations are described later in this section of the catalog.

C. 24 Credits in Childhood Education courses:

ED3700 - Child Development
 ED3950* -Creating Schools for a Just Society
 ED4121 -Methods and Materials for Teaching Elementary Science Majors
 ED4122 - Methods and Materials for Teaching Elementary Math Methods
 ED4200 - Literacy for All Students
 ED4220 - Language Arts in the Context of Childhood Education

D. 20 Credits in required Exceptional Education courses:

ED3820 - Foundations of Special Education
 ED4850 - Instructional Design & Delivery for Students with Disabilities
 ED4300 - Assessment and Evidence-based Decision Making in Special Education
 ED4810 - Positive Behavior Supports and Interventions for Students with Disabilities
 ED4890 - Effective Practices for Students with Low Incidence Disabilities

E. 16 credits in required field experiences:

ED5930* - Internship: Meeting the Needs of Diverse Learners
 ED5960* - Student Teaching and Seminar

* B or better required

Bachelor of Science (B.S.) Degree in Exceptional Education with a Bilingual Extension/Spanish

In addition to admission requirements for the School of Education, Exceptional Education candidates in the Bilingual Extension Program must demonstrate proficiency in oral and written Spanish by taking the OPIc and WPT exams.

A. General Education

See requirements previously stated.

B. 32 credit concentration in a liberal arts or science discipline.

Students may transfer a maximum of four of these courses from other institutions. The disciplinary concentrations are described later in this section of the catalog.

C. 38 credits in required Education courses:

ED/ML2600 Spanish & Methods of Teaching in the Content Areas for Bilingual Teachers
 ED3700 Child Development
 ED3820 Foundations of Special Education
 ED3950* Creating Schools for a Just Society

* B or better required

- ED4121 Methods & Materials of Teaching Elementary Science
- ED4122 Methods & Materials of Teaching Elementary Mathematics
- ED4200 Literacy for All Students
- ED4220B Language Arts in the Context of Bilingual Childhood Education
- ED4250 Linguistics for Language Educators
- ED4670 Methods & Materials of Teaching English as a Second Language
- ED5926 Current Topics in Bilingual Education

D. 20 credits in required Exceptional Education courses:

- ED3820 Foundations of Special Education

- ED4300 Assessment and Evidence-based Decision Making in Special Education
- ED4810 Positive Behavior Supports for Interventions for Students with Disabilities
- ED4850 Instructional Design & Delivery for Students with Disabilities
- ED4890 Effective Practices for Students with Low Incidence Disabilities

E. 16 credits in required field experiences:

- ED5930 Internship: Meeting the Needs of Diverse Learners
- ED5960B* Student Teaching and Seminar or of Science (B.S.)

* B or better required

Disciplinary Concentrations for Childhood, Bilingual, and Exceptional Education Majors Only - 32 credits in each concentration

American Studies Concentration

- AS2112 The American People I
- AS2122 The American People II
- AND**
- Two American Studies courses at the 4000-level
- Two American Studies courses at the 5000-level
- AND**
- Two American Studies elective courses
- Only one 1000 or 2000-level course may be counted among these courses.

Biology Concentration

- BS2400 Basic Biological Science I with Lab
- BS2410 Basic Biological Science II with Lab
- CP2120/2121 Principles of Chemistry I with Lab
- CP2130/2131 Principles of Chemistry II with Lab
- One course in Physics with Lab
- Three upper division biology courses (one course from each of the following areas: Cellular and Molecular, Organismic and Population:

Cellular-Molecular Area:

- BS4400 Cell Biology
- BS4460 Genetics

Organismic Area:

- BS3400 Vertebrate Physiology
- BS3520 Comparative Anatomy

Population Area:

- BS4440 Evolution
- BS4470 Ecology

Chemistry Concentration (33 credits)

- CP2120/2121 Principles of Chemistry I with Lab
- CP2130/2131 Principles of Chemistry II with Lab
- CP3300/3302 Organic Chemistry I with Lab
- CP3400 Chemical Analysis
- CP2220/2221 Structure of Physics I with Lab
- CP2230/2231 Structure of Physics II with Lab

- MA2090 Precalculus

Select one of these courses:

- CP2210 Physical Science
- CP2300 Weather Studies
- CP2400 Ocean Studies
- CP2500 Climate Studies

English Concentration (32 credits)

Distribution Requirements:

- (a) At least 2 courses primarily in literature written before 1800 (for the U.S., 1900)
- (b) At least 1 course in each of: British Literature; U.S. Literature; and World Literature. Either EL3500 or 3510 may be used to satisfy the British or U.S. Literature requirement, but not both.

1. Linguistic Foundations:

- EL3010 Structure and Grammar of English

2. Literary Analysis (choose two):

- EL3500 Literature Across Cultures I: Analysis and Interpretation
- EL3510 Literature Across Cultures II: Theory
- EL4400 Critical Theory

3. Literary Traditions (select one from Group A, one from Group B, and one from Group A, B, or C)

A. British and U.S. Literature:

- EL3600 U.S. Literature I: Colonial Period to Civil War
- EL3610 U.S. Literature II: Civil War to Present
- EL3800 English Literature I: Beowulf to 18th Century, inclusive of Shakespeare
- EL3810 English Literature II: Romantics to Present

B. World Literature:

- EL3560 Literatures of Europe Part I
- EL3561 Literatures of Europe Part II
- EL3700 Survey of World Literature

C. Genres and Traditions, Multicultural and World Literature:

- EL4200 Biblical-Classical Foundations of Multicultural Literature
- EL4300 20th-Century Literature: Colonialism and Postcolonialism
- EL4311 Greek Drama
- EL4312 Greek Mythology
- EL4325 Shakespeare: Selected Plays
- EL4380 The Novel
- EL4402 Sin and Sexuality in Literature
- EL4500 Topics in British/US Literature
- EL4510 Modern Drama and Theater
- EL4540 Epic: East and West

4. Perspectives: Choose Multicultural U.S.-British Literature OR World Literature Specialization Multicultural U.S.-British Literature Specialization:

a. Electives. Choose ONE course from any of these groups:

British/U.S. Literature

- EL4030 Women and Narrative
- EL4050 Lesbian and Gay Literature
- EL4060 Literature of Class and Class Consciousness
- EL4080 Extraordinary Bodies: Disability in Literature

U.S. Literature

- ML3410 Latino Writers in the US
- EL3811 Survey of African American Literature
- EL4000 Native American Literature
- EL4010 Harlem Renaissance
- EL4015 Multi-Ethnic Literatures of the United States
- EL4020 Asian American Literature
- EL4040 Black Women Writers
- EL4070 Topics in African American Literature
- EL4090 African American Novel
- EL4091 African American Poetry and Plays
- EL4405 Caribbean Literature

British Literature

- EL4550 Modern English Literature 1890-1960
- EL4560 Multicultural British Literature Since 1960

b. Required for all students in the specialization:

- EL4800 Major Authors

World Literature Specialization:

Note: Non-English Literatures are read in translation.

a. Surveys—Choose one:

- EL3865 Literature of Asia
- EL3870 Literatures of Africa
- EL3880/ML348 Masterpieces of Hispanic Literature

b. Electives—Choose one:

- EL4405 Caribbean Literature
- EL4600 Literature of India
- EL4630 Latin American Literature
- EL4640 French Literature
- EL4650 Literature of Russia and Eastern Europe

History Concentration 32 credits [8 courses]

[no more than 2 courses at the 2000 level; at least 4 courses at the 4000 level]

Core: 4 required courses distributed as described below: 16 credits

1. One course (4 credits) on European History:

- HI2681 Introduction to European History
- HI2521 World History II: Western Civilization
- HI3002 Rise of Reason
- HI3011 Foundations of the Judeo-Christian Tradition
- HI3021 Europe in the Middle Ages
- HI3030 From God to Machine
- HI3102 Hispanic Heritage
- HI3455 Modern European Revolutions
- HI3558 Classical Greco-Roman History
- HI4415 Europe of the Dictators
- HI4420 Women and Witchcraft
- HI4557 Renaissance and Reformation Europe

2. One course (4 credits) on American History

- AS2112 American People I
- AS2122 American People II
- AS2262 African American History I
- AS2263 African American History II
- AS2640 U.S. Latina/o History
- AS3412 African-American Women's History
- AS3462 History of Women in the U.S.
- HI3700 Historical Geography of Latin America
- AS4212 Early America
- AS4215 Critical Ideas in American History
- AS4218 Civil War and Reconstruction
- AS4222 The Emergence of Modern America
- AS4252 Immigration History
- AS4282 America in War and Peace, 1898 to 1975
- AS4283 America between the World Wars
- AS4285 Vietnam and After
- AS4290 Youth in America: A History
- AS4292 America Since World War II: 1945-1989
- AS4402 History of the Family in the U.S.
- AS4420 History of New York City and State
- AS4432 History of the Women's Movement

3. One course (4 credits) on the History of Africa, East Asia, South Asia, the Middle East, and Latin America

- HI2511 World History I: the Non-Western World
- HI3080 Asian Cultures

Africa

- HI3091 African Cultures
- HI3640 African History

East Asia

- HI4900 Modern China [study abroad]
- HI4905 Chinese Civilization

South Asia

- HI4800 History of India

Middle East

- HI3835 Islamic Cultures
- HI4306 Golden Age of Islam
- HI4308 History in the Modern Middle East

Latin America

- HI3110 Latin American Culture
- HI3700 Historical Geography of Latin America

4. One course (4 credits) on Global Perspectives, Trans-regional Connections, Historiography or Geography:

Global Perspectives

- HI4001 Nineteenth Century
- HI4011 Twentieth Century

Trans-regional Connections

- HI3610 America's African Heritage
- HI3840 Crescent and Cross
- HI4650 History of African Enslavement;
- HI4850 Domesticity 19th and Early 20th Centuries
- HI4910 Chinese Diaspora Across the Pacific

Historiography:

- HI4062 Making History

Geography:

- HI2810 Geography, Earth and People
- HI3600 Global Geography
- HI4600 World Regional Geography

Electives: 16 credits

Any 4 courses listed above. Guidelines as to levels must be followed.

Mathematics Concentration

The mathematics concentration requires a minimum of 8 mathematics courses (32 credits). Students may transfer a maximum of four of these courses (16 credits) from other institutions. Completion in this concentration requires a grade of C or higher in all mathematics courses.

Students must complete 32 credits as follows:

A. Required Mathematics Courses: All of the following seven courses (28 credits)

- MA2010 Foundations of Mathematics I 4
- MA3020 Foundations of Mathematics II 4
- MA2310 Calculus & Analytic Geometry I 4
- MA2320 Calculus & Analytic Geometry II 4
- MA3030 Discrete Mathematics 4
- MA3160 Linear Algebra 4
- MA3210 Introduction to Probability & Statistics 4

B. Required Elective: One Upper Division Mathematics Course (4 Credits)

Take any one 3000 or 4000 level mathematics course: MA3xxx OR MA4xxx.

Politics, Economics and Law Concentration

- PE2400 Introduction to Political Economy 4 cr.
- PE2650 Introduction to U.S. Politics 4 cr.
- PE3400 Political Economy of the Third World 4 cr.
- PE3410 U.S. Political Economy 4 cr.
- PE4470 History of Economic Thought 4 cr.

OR

- PE4620 Political and Social Thought 4 cr.
- PE4580 Origins of the Capitalist Economy 4 cr.

OR

- PE4590 Global Economy in the 20th Century 4 cr.

AND

- Two upper-division electives in PES 8 cr.

Spanish Language, Hispanic Literature and Culture Concentration (32 credits)

This concentration consists of 8 courses above the basic levels and allows student to explore a range of topics including grammar, writing, linguistics, translation, culture, art, film and literature. Students who select this concentration are expected to participate in the Spanish club and events sponsored by the Hispanic/Latino Cultural Center.

The selection of the first course in the concentration will be based on Advanced Placement or CLEP scores, previous coursework from other institutions, or advisement by a Modern Languages faculty member.

Required courses:

4000 level course focused on Spain

4000 level course focused on Latin America

For those pursuing the bilingual extension the following course is also required:

ED/ML 2600. This course should be taken at the end of the program of study after completing the majority of the methods courses. Prerequisites: ED 4000, ED 4050, ED 4200, ED 4220B. Allowable co-requisites: ED 4121, ED 4122.

Visual Arts Concentration

Foundation Courses 12 cr.

- VA2010 Introduction to Creative Thinking
- VA2020 Basic Design
- VA2500 Art History Survey I

OR

- VA2510 Art History Survey II

Art Tutorials with Faculty Mentor 12 cr.

- VA3200 Art Tutorials I
- VA4200 Art Tutorials II
- VA5200 Art Tutorials III

Advanced Requirements 8 cr.

- VA4900 Internship
- Advanced Course (elective at the 3000 or 4000 level)

World Cultures Concentration

Students may take no more than 2 of the following courses at the 1000 or 2000 level. At least 4 courses must be at the 4000 or 5000 level.

The core: 3 required courses distributed as follows from the courses listed below: 12 cr.

The Heritage of the West (choose one)

- HI1010 World Religions - West
- HI2681 Introduction to Europe History
1350-present
- HI3002 Rise of Reason—The Classical Origins
of Western Culture
- HI3011 Foundations of Judeo-Christian Tradition
- HI3021 Europe in the Middle Ages
- HI3030 God to Machine 16th-18th Century
- HI3102 Hispanic Heritage
- HI4557 Renaissance and Reformation in Europe

The Heritage of Asia, Africa, The Middle East and Latin America (choose one)

- HI1020 World Religions - East
- HI3080 Asian Cultures
- HI3091 African Cultures
- HI3110 Latin American Culture
- HI3835 Islamic Cultures
- HI3700 Historical Geography of Latin America
- HI4800 History of India
- HI4905 Chinese Civilization

Methodological or Global

(choose one from EITHER group below)

Methodological (Interdisciplinary, disciplinary, cross-cultural)

- HI2200 Science in Western Civilization
- HI2720 Introduction to Philosophy
- HI2810 Geography, Earth, and People
- HI3040 Analysis of Culture
- HI3600 Global Geography
- HI4062 Making History

Global

- HI4001 Nineteenth Century
- HI4011 Twentieth Century
- HI4600 World Regional Geography

Electives**20 cr.**5 courses selected **from any of the courses listed above and/or from any of the course listed below.**

Guidelines as to levels must be followed

- HI3200 Contemporary Religious Experiences
- HI3323 Buddhism
- HI3455 Modern European Revolutions
- HI3525 Ancient Greek Philosophy
- HI3558 Classical Greco-Roman History
- HI3703 Modern Philosophy
- HI3704 African Regions and Philosophy
- HI3710 Contemporary Philosophical Issues
- HI3752 Ethics
- HI3840 Crescent and the Cross
- HI4051 Logic and Scientific Reasoning
- HI4305 Islam and the Quran
- HI4306 Golden age of Islam
- HI4308 History of the Modern Middle East
- HI4395 Philosophy from the 20th to the 21st
Century
- HI4650 History of African Enslavement;
- HI4850 Domesticity 19th and Early 20th Centuries
- HI4900 Modern China - A Study Abroad course
- HI4910 Chinese Diaspora Across the Pacific

ADOLESCENCE EDUCATION

COMBINED BACHELOR'S-MASTER OF ARTS IN TEACHING DEGREE PROGRAMS

The School of Education is currently developing combined degree programs in five areas: Chemistry, English, Mathematics, Social Studies and Spanish. The programs are designed so that students who follow the courses of study can finish their respective bachelor's degrees in 3.5 years and their respective master's degree in 1.5 additional years. Students accepted to the combined- degree program will have the benefit of taking specified graduate course during the last semester of their bachelor's program and pay for the graduate courses at the undergraduate tuition rate. These graduate courses will count toward both degrees. For more information refer to the School of Education section in the graduate catalog. These programs are scheduled to be offered as of Spring 2017.

ADOLESCENCE EDUCATION – SCIENCE

Coordinator: Professor, Fernando Espinoza**Bachelor of Science (B.S.) Degree in Adolescence Education - Biology - Grades 7-12**

Students in these programs earn a degree in both Biological Sciences and Adolescence Education. Candidates successfully completing this program of study are recommended by Old Westbury to New York State for initial certification as Adolescence Education (grades 7-12) teachers. The School of Education Science Education coordinator is responsible for advising and approving students as they progress through the School of Education program. Students should also have a Biological Sciences advisor.

See below for specific requirements.

A. Biology Content Requirements

Candidates must complete all requirements for the BS degree in Biological Sciences. The BA degree is no longer accepted.

B. Liberal Education Curriculum Courses

Students must complete all requirements of the Old Westbury Liberal Education Curriculum.

C. Education Core Courses

CP2050 The Nature and Development of Science
ED3742 Middle Childhood & Adolescence
ED3820 Foundations of Special Education
ED3950* Creating Schools for a Just Society

ED4085 Methods and Materials of Teaching Science in Secondary School
ED4230 Reading Across the Curriculum
ED4231 Reading Practicum
ED5890 Pre-teaching Practicum & Seminar
ED5900* Student Teaching & Seminar in Adolescence Education (grades 7-12)

D. Other Requirements

Candidates must earn a grade of C or higher in all required courses for the degree, whether taken at Old Westbury or elsewhere. Students must earn grades no lower than C in all biology courses.

* B or better required

Bachelor of Science (B.S.) Degree in Middle Childhood Education - Biology - Grades 5-9

Students in this program earn a degree in both Biological Sciences and Middle Childhood Education. Candidates successfully completing this program of study are recommended by Old Westbury to New York State for initial certification as Middle Childhood Education (grades 5-9) teachers. The School of Education Science Education coordinator is responsible for advising and approving students as they progress through the School of Education program. Students should also have a Biological Sciences advisor.

See below for specific requirements.

A. Biology Content Requirements

Candidates must complete all requirements for the BS degree in Biological Sciences. The BA degree is no longer accepted.

B. Liberal Education Curriculum Courses

Students must complete all requirements of the Old Westbury Liberal Education Curriculum.

C. Education Core Courses

CP2050 The Nature and Development of Science
ED3742 Middle Childhood & Adolescence
ED3950* Creating Schools for a Just Society
ED3820 Foundations of Special Education
ED4085 Methods and Materials of Teaching Science in Secondary School

ED4230 Reading Across the Curriculum
ED4231 Reading Practicum
ED4050 Interdisciplinary Instructional Strategies
ED5890 Pre-teaching Practicum & Seminar
ED5910* Student Teaching & Seminar in Middle Childhood Education (grades 5-9)

D. Other Requirements

Candidates must earn a grade of C or higher in all required courses for the degree, whether taken at Old Westbury or elsewhere. Students must earn grades no lower than C in all biology courses.

* B or better required

Bachelor of Science (B.S.) or Bachelor of Arts (B.A.) Degree in Adolescence Education - Chemistry - Grades 7-12

Students in these programs earn a degree in both Chemistry and Adolescence Education. Candidates successfully completing this program of study are recommended by Old Westbury to New York State for initial certification as Adolescence Education (grades 7-12) teachers. The School of Education Science Education coordinator is responsible for advising and approving students as they progress through the School of Education program. Students should also have an advisor from the Chemistry/Physics Department. See below for specific requirements.

A. Chemistry Content Requirements

Candidates must complete all requirements for either the BA or BS degree in Chemistry. See pages 68-69 of this catalog for details.

B. Liberal Education Curriculum Courses

Students must complete all requirements of the Old Westbury Liberal Education Curriculum.

C. Education Core Courses

CP2050 The Nature and Development of Science
ED3742 Middle Childhood & Adolescence
ED3820 Foundations of Special Education
ED3950* Creating Schools for a Just Society
ED4085 Methods and Materials of Teaching Science in Secondary School
ED4230 Reading Across the Curriculum
ED4231 Reading Practicum

ED5890* Pre-teaching Practicum & Seminar
ED5900* Student Teaching & Seminar in
Adolescence Education (grades 7-12)

D. Other Requirements

Candidates must earn a grade of C or higher in all

required courses for the degree, whether taken at
Old Westbury or elsewhere.

* B or better required

Bachelor of Science (B.S.) Degree in Middle Childhood Education - Chemistry - Grades 5-9

Students in this program earn a degree in both Chemistry and Middle Childhood Education. Candidates successfully completing this program of study are recommended by Old Westbury to New York State for initial certification as Middle Childhood Education (grades 5-9) teachers. The School of Education Science Education coordinator is responsible for advising and approving students as they progress through the School of Education program. Students should also have an advisor in the Chemistry/Physics Department. See below for specific requirements.

A. Chemistry Content Requirements

Candidates must complete all requirements for either the BA or BS degree in Chemistry. See pages 68-69 of this catalog for details.

B. Liberal Education Curriculum Courses

Students must complete all requirements of the Old Westbury Liberal Education Curriculum.

C. Education Core Courses

CP2050 The Nature and Development of Science
21st Century
HI4650 History of African Enslavement
HI4850 Domesticity in the 19th and Early 20th
Centuries
HI4900 Modern China—a Study Abroad Course
HI4910 Chinese Diaspora across the Pacific
ED4305 Foundations of Special Education

ED4085 Methods and Materials of Teaching
Science in Secondary School
ED4230 Reading Across the Curriculum
ED4231 Reading Practicum
ED4050 Innovative Instructional Design
& Assessment
ED3742 Middle Childhood & Adolescence
ED3950* Creating Schools for a Just Society
ED5890 Pre-teaching Practicum & Seminar
ED5910* Student Teaching & Seminar in Middle
Childhood Education (grades 5-9)

D. Other Requirements

Candidates must earn a grade of C or higher in all required courses for the degree, whether taken at Old Westbury or elsewhere.

* B or better required

ADOLESCENCE EDUCATION – MATHEMATICS

Coordinator: Assistant Professor, Jeanne Shimizu

Bachelor of Science (B.S.) Degree in Adolescence Education Mathematics - Grades 7-12

Candidates successfully completing this program of study are recommended by Old Westbury to New York State for initial certification as Adolescence Education (grades 7-12) teachers. The School of Education Mathematics Education coordinator is responsible for advising and approving students as they progress through the School of Education program. Students should also have an advisor from the Mathematics Department. See below for specific requirements.

A. Mathematics Content Requirements

MA2310 Calculus & Analytical Geometry I
MA2320 Calculus & Analytical Geometry II
MA2500 History of Mathematics
MA3030 Discrete Mathematics
MA3160 Linear Algebra
MA3180 Foundations of Secondary School
Mathematics
MA3210 Probability & Statistics

MA3330 Calculus & Analytical Geometry III
MA3520 Transition to Advanced Mathematics
MA4510 Geometry
MA5120 Abstract Algebra I
MA5320 Advanced Calculus I

B. Liberal Education Curriculum Courses

Students must complete all requirements of the Old Westbury Liberal Education Curriculum.

C. Education Core Courses

- ED3742 Middle Childhood & Adolescence
- ED3820 Foundations of Special Education
- ED3950* Creating Schools for a Just Society
- ED4230 Reading Across the Curriculum
- ED4231 Reading Practicum
- ED4082 Methods and Materials of Teaching Math in Secondary School
- ED5890 Pre-teaching Practicum & Seminar
- ED5900* Student Teaching & Seminar in Adolescence Education (grades 7-12)

D. Other Requirements

Candidates must earn a grade of C or higher in all required courses for the degree, whether taken at Old Westbury or elsewhere.

E. Second Major in Mathematics

Candidates who desire a second major in mathematics must take: MA4360, CS2510, and one Math elective at 4000 or 5000 level. In addition to MA4510, MA5120, MA5320.

* B or better required

Bachelor of Science (B.S.) Degree in Middle Childhood Education Mathematics - Grades 5-9

Candidates successfully completing this program of study are recommended by Old Westbury to New York State for initial certification as Middle Childhood Education (grades 5-9) teachers. The School of Education Mathematics Education coordinator is responsible for advising and approving students as they progress through the School of Education program. Students should also have an advisor from the Mathematics Department. See below for specific requirements.

A. Mathematics Content Requirements

- MA2310 Calculus & Analytical Geometry I
- MA2320 Calculus & Analytical Geometry II
- MA2500 History of Mathematics
- MA3030 Discrete Mathematics
- MA3160 Linear Algebra
- MA3180 Foundations of Secondary School Mathematics
- MA3210 Probability & Statistics
- MA3330 Calculus & Analytical Geometry III
- MA3520 Transition to Advanced Mathematics
- MA4510 Geometry
- MA5120 Abstract Algebra I
- MA5320 Advance Calculus I

B. Liberal Education Curriculum Courses

Students must complete all requirements of the Old Westbury Liberal Education Curriculum.

C. Education Core Courses

- ED3742 Middle Childhood & Adolescence
- ED3820 Foundations of Special Education
- ED3950* Creating Schools for a Just Society
- ED4230 Reading Across the Curriculum

ED4231 Reading Practicum

ED4050 Innovative Instructional Design & Assessment

ED4082 Methods and Materials of Teaching Math in Secondary School

ED5890 Pre-teaching Practicum & Seminar

ED5910* Student Teaching & Seminar in Middle Childhood Education (grades 5-9)

D. Other Requirements

Candidates must earn a grade of C or higher in all required courses for the degree, whether taken at Old Westbury or elsewhere.

E. Second Major in Mathematics

Candidates who desire a second major in mathematics must take: MA4360, CS2510, and one Math elective at 4000 or 5000 level. In addition to MA4510, MA5120, MA5320.

* B or better required

ADOLESCENCE EDUCATION – SOCIAL STUDIES

Coordinator: Associate Professor, Xavier Maréchaux

Bachelor of Arts (B.A.) Degree in Adolescence Education Social Studies - Grades 7-12

Students in this program earn a degree in both History (Social Studies track) and Adolescence Education. Candidates successfully completing this program of study are recommended by Old Westbury to New York State for initial certification as Adolescent Education (grades 7-12) teachers. The Social Studies coordinator, who holds a joint appointment in the School of Education and the History and Philosophy Department, is responsible for advising and approving students as they progress through the program.

A. Social Studies Content Requirements

Candidates must complete all requirements for one the options of the BA degree in History, Track II (Social Studies).
See page 76 of this catalog for details.

ED4231 Reading Practicum
ED4086 Methods and Materials of Teaching Social Studies in Secondary School
ED5890 Pre-teaching Practicum & Seminar
ED5900* Student Teaching & Seminar in Adolescence Education (grades 7-12)

B. Liberal Education Curriculum Courses

Students must complete requirements of the Old Westbury Liberal Education Curriculum.

C. Education Core Courses

ED3742 Middle Childhood & Adolescence
ED3820 Foundations of Special Education
ED3950* Creating School's for a Just Society
ED4230 Reading Across the Curriculum

D. Special Requirements

Except where the requirement is higher, candidates must earn a minimum grade of C in all required courses for the degree, whether taken at Old Westbury or elsewhere.

* B or better required

ADOLESCENCE EDUCATION - SPANISH

Coordinator: Assistant Professor, M. Carolina Bustamonte

Bachelor of Arts (B.A.) Degree in Adolescence Education Spanish - Grades 7-12

Students in this program earn a degree in both Spanish Language, Hispanic Literature and Culture, and Adolescence Education. Candidates successfully completing this program of study are recommended by Old Westbury to New York State for initial certification as Adolescent Education (grades 7-12) teachers. The School of Education Spanish Education coordinator is responsible for advising and approving students as they progress through the School of Education program. Students should also have an advisor from the Modern Languages Department. See below for specific requirements.

A. Spanish Content Requirements

Candidates must complete all requirements for one of the options of the BA degree in Spanish Language, Hispanic Literature and Culture. See pages 89-90 of this catalog for details.

ED4050 Innovative Instructional Design & Assessment
ED4083 Methods and Materials of Teaching Spanish in Secondary School
ED5890 Pre-teaching Practicum & Seminar
ED5900* Student Teaching & Seminar in Adolescence Education (grades 7-12)

B. Liberal Education Curriculum Courses

Students must complete requirements of the Old Westbury Liberal Education Curriculum.

C. Education Core Courses

ED3742 Middle Childhood & Adolescence
ED3820 Foundations of Special Education
ED3950* Creating Schools for a Just Society
ED4230 Reading Across the Curriculum
ED4231 Reading Practicum

D. Special Requirements

Candidates must earn a grade of C or higher in all required courses for the degree, whether taken at Old Westbury or elsewhere.

* B or better required

Candidates must complete the Oral Proficiency Interview exam prior to completing the program. See the Spanish Education Coordinator for further details.

Bachelor of Science (B.S.) Degree in Middle Childhood Education Spanish - Grades 5-9

Students in this program earn a degree in both Spanish Language, Hispanic Literature and Culture and Middle Childhood Education. Candidates successfully completing this program of study are recommended by Old Westbury to New York State for initial certification as Middle Childhood Education (grades 5-9) teachers. The School of Education Spanish Education coordinator is responsible for advising and approving students as they progress through the School of Education program. Students should also have an advisor from the Modern Languages Department. See below for specific requirements.

A. Spanish Content Requirements

Candidates must complete all requirements for one of the options of the BA degree in Spanish Language, Hispanic Literature and Culture. See pages 76-78 of this catalog for details.

B. Liberal Education Curriculum Courses

Students must complete requirements of the Old Westbury Liberal Education Curriculum.

C. Education Core Courses

- ED3742 Middle Childhood & Adolescence
- ED3820 Foundations of Special Education
- ED3950* Creating Schools for a Just Society
- ED4230 Reading Across the Curriculum
- ED4231 Reading Practicum
- ED4050 Innovative Instructional Design & Assessment

ED4083 Methods and Materials of Teaching Spanish in Secondary School

ED5890 Pre-teaching Practicum & Seminar

ED5910* Student Teaching & Seminar in Middle Childhood Education (grades 5-9)

D. Special Requirements

Candidates must earn a grade of C or higher in all required courses for the degree, whether taken at Old Westbury or elsewhere.

Candidates must complete the Oral Proficiency Interview exam prior to completing the program. See the Spanish Education Coordinator for further details.

* B or better required

SCHOOL OF PROFESSIONAL STUDIES

Director of the School of Professional Studies: Edward Bever

The School of Professional Studies offers a variety of programs oriented toward developing skills and knowledge needed for specific occupational areas. The School offers high quality, flexible courses of study attuned to the needs of the current workplace that prepare students to compete successfully in the global marketplace. Its programs include two baccalaureate degrees, a Bachelor of Professional Studies in Business and Management and a Bachelor of Science in Liberal Arts and General Studies, and a Minor in Entertainment and Sports Management.

Mission

The mission of SUNY Old Westbury's School of Professional Studies is to support the College's core academic programs by offering quality, affordable career-oriented training and skills enhancement consistent with the College's mission.

Admissions and Enrollment

Non-matriculated students can enroll in courses offered by the School of Professional Studies up to Old Westbury's limit of 32 credits.

Matriculated students can enroll in credit courses offered by the School of Professional Studies as part of their regular course load through the normal registration process.

Matriculated students gain admission to the School of Professional Studies when they declare as their major one of its degree programs. Students intending to major in one of the School's degree programs should apply to the College through its normal enrollment process.

Transfer Students

Students can apply up to 80 credits earned at other accredited institutions of higher learning toward their Old Westbury degree. Transfer credits will be applied to degrees offered by the School of Professional Studies based on their appropriateness as determined by the Director, the policies of the College specified in the "Transfer Credit" section of the College catalog, and existing equivalencies and articulation agreements.

Credit for Prior Learning

Old Westbury offers a number of ways for incoming students' to get credit for their prior learning: credit by Examination, credit for Military Training, and credit awarded for experiential learning (the College's Accreditation Program for Experiential Learning, or APEL). The School for Professional Studies will advise students on how they can take advantage of these opportunities to gain credit for their prior learning and advance as quickly as possible to their degree. Information about the various programs is given under "Academic Policies and Procedures." (Note that Credit for Prior Learning is included in the 80 credit limit mentioned in the "Transfer Students" section above; students must take at least 40 of the 120 credits required for their bachelor's degree at Old Westbury.)

Evening and Weekend Students

Courses offered by the School for Professional Studies will be offered on weekends, in the evening, and online. Courses offered by other schools in the College utilized by programs in the School for Professional Studies may not be available at these times, but Liberal Education Curriculum can be completed through classes offered online and in the evening. Most majors offer some courses online and at night, but selection is limited. Students therefore should plan individualized courses of study and electives carefully. Advising is available from the School of Professional Studies appropriate course substitutions can be made with the approval of the Director.

Degree Programs

The School of Professional Studies offers two degree programs.

- Bachelor of Professional Studies (B.P.S.) in Business and Management
- Bachelor of Science (B.S.) in Liberal Arts and General Studies

Both of these programs are characterized by the flexibility of their major components.

- The Major in the B.S. in Liberal Arts and General Studies is created individually by a student in consultation with an advisor.
- The Major in the B.P.S. in Business and Management includes a core of basic business courses and an elective component.

Minors

Part of the flexibility of the School for Professional Studies' programs comes from the fact that students are encouraged to pursue Minors as well as their Major in order to gain focused skills and readily-identifiable credentials in specific vocationally oriented areas. The School of Professional Studies currently offers a Minor in Entertainment and Sports Management, and students can also take minors offered by Old Westbury's other departments.

The B.P.S. in Business and Management

Note that the B.P.S. in Business and Management is separate from the School of Business, and its courses do not count toward School of Business requirements.

The Bachelor of Professional Studies in Business and Management requires a total of 120 credits, at least 30 of which must be in the Liberal Arts, 40 taken at Old Westbury, and 45 at the upper-division level. These are divided into three sets of courses:

A. Liberal Education Curriculum

Refer to the Liberal Education Curriculum Bulletin for specific requirements.

B. Major Requirements (40 credits)

1. The Major Core: 36 credits

PS 2225 Applied Statistics for Management

OR

MA 2000 Applied Statistics

PS 2325 Business Economics

PS 3125 Accounting for Managers

PS 3225 Communications for Business

PS 3275 Information Systems for Business

PS 3325 Principles of Management

PS 3425 Fundamentals of Marketing

PS 4225 Business Law

PS 4325 Fundamentals of Financial Markets

2. Elective Course: 4 credits

Students will take one additional course consistent with their interests and career plans as part of the

major. The course may be within or outside the BPS in Business and Management program, but if outside it must be approved by the student's advisor.

Elective courses within the BPS in Business and Management program include:

PS 3995 Career Internship

PS 4420 Entertainment and Sports Management

PS 4430 Entertainment and Sports Marketing

PS 4440 Entertainment and Sports Media

PS 5425 Entertainment and Sports Law

PS 5435 Entertainment and Sports Finance

C. College Electives

Students will take additional courses to bring their total credits to 120.

D. Grades of D

A maximum of 2 courses with a grade of D, D+, or D- can be counted toward the major.

The B.S. in Liberal Arts and General Studies

The Bachelor of Science in Liberal Arts and General Studies requires a total of 120 credits, at least 60 of which must be in the Liberal Arts, 40 taken at Old Westbury, and 45 at the upper-division level. These are divided into three sets of courses:

A. Liberal Education Curriculum

Refer to the Liberal Education Curriculum Bulletin for specific requirements.

B. Major Requirements (40 credits)

1. Students will design an individualized "Major Core" course of study in consultation with an advisor that is consistent with their professional development, career aspirations, and life goals. A curriculum contract will be established which

will constitute the curriculum requirements for graduation.

2. At least 24 of the 40 credits in the Major Core must be at the upper-division level.

3. The Major Core can be completed in one of two broad categories:

- i) Academic Divisions of Knowledge: Students will take courses in each of the major Academic Divisions of Knowledge: the Natural Sciences, the Social Sciences, and the Humanities.

ii) Interdisciplinary Themes: Course selection for this category will include courses in a minimum of two disciplines from one or more of the major academic divisions.

D. Grades of D

A maximum of 2 courses with a grade of D, D+, or D- can be counted toward the major.

C. College Electives

Students will take additional courses to bring their total credits to 120.

Entertainment and Sports Management Minor

New York is a hub of the entertainment industry and the home of a wide variety of professional, semi-professional, and organized amateur sports organizations. The School of Professional Studies offers a 5 course, 20 credit minor in Entertainment and Sports Management designed to give students knowledge and skills to help them enter and succeed in the business activities of these enterprises. For details on requirements, see the "Minors" section of this catalog.

OTHER ACADEMIC OFFERINGS

Premedical and Pre-Health Professions Studies

(Premedical, Predental, Preosteopathy, Prepodiatry, Preoptometry, etc.)

SUNY Old Westbury offers all of the courses required for admission into medical school and other schools in the health professions (dentistry, podiatry, optometry, osteopathic medicine, etc.). While there is no degree program (major) in premedical studies, the college offers a system of advisement in which students intending to pursue a career in the health professions are guided to prepare them academically and holistically to be competitive for admission into health professional schools. Guidance is also provided in the professional school application process. Premedical students may generally major in any field including, but not limited to, the natural sciences. Regardless of the major all premedical students must complete the minimum requirements for admission, which generally are college level chemistry with laboratory (2 years), college level biology with laboratory (1 year), college level physics with laboratory (1 year), English composition (1 year) and mathematics through calculus I. Individual health professional schools may have additional requirements. Listed below are specific courses that meet the minimum requirements as well some strongly recommended courses that add strength to the premedical student's application.

As of fall 2008, the College has a joint-degree program that allows students to earn a B.S. degree in Biological Sciences and a D.O. degree (Doctor of Osteopathic Medicine) at the New York Institute of Technology of Osteopathic Medicine (NY Institute of Technology) in 7 years of study, 3 at Old Westbury and 4 at NYITCOM. Students typically must apply to the program when they apply to the College, since the curriculum is structured and accelerated. For more information, contact Enrollment Services at (516)876-3073 or the Biological Sciences Department at (516)876-2750.

SUNY Old Westbury has established a solid record of successfully preparing students for admission into some of the nation's best medical and health professional schools, and many of the college's graduates are now practicing physicians, dentists and other health professionals. Students interested in premedical and pre-health professional studies are strongly urged to consult one of the pre-health professions advisors as soon as a decision is reached to pursue a health career. For information call one of the science department offices: Chemistry and Physics (516) 876-2743 or Biological Sciences (516) 876-2750.

I. Minimum Requirements	Cr.	II. Strongly Recommended	Cr.
CP2120 Principles of Chemistry I	3	BS2300 Anatomy and Physiology	3
CP2121 Principles of Chemistry Lab I	1	BS2301 Anatomy and Physiology	1
CP2130 Principles of Chemistry II	3	BS2310 Anatomy and Physiology	3
CP2131 Principles of Chemistry Lab II	1	BS2311 Anatomy and Physiology	1
BS2400 Basic Bio Sciences I	4	BS3000 Level Courses	
BS2401 Basic Bio Sciences I Lab	4	BS4000 Level Courses	
BS2410 Basic Bio Sciences II	4	CP3000 Level Courses	
BS2411 Basic Bio Sciences II Lab		CP4000 Level Courses	
CP3300 Organic Chemistry I	3	CP4510 Biochemistry I	3
CP3302 Organic Chemistry Lab I	2	CP4520 Biochemistry Lab	2
CP3310 Organic Chemistry II	3	PY2010 Introduction to Psychology	4
CP3312 Organic Chemistry Lab II	2	SY1500 Introductory Sociology	4
CP2220 or 2240 Physics I*	3		
CP2221 or 2241 Physics I Lab	1		
CP2230 or 2250 Physics II*	3		
CP2231 or 2251 Physics II Lab	1		
MA2310 Calc. & Anal. Geometry I	4		

*Consult a Science advisor.

A minimum grade of C must be earned in all required courses.

MINORS

General Information

A minor is a cluster of related courses that the student completes in addition to his/her major. Successful completion of the minor will be noted on the student's transcript. Minors are sponsored either by a single department or by a group of departments contributing courses to the minor. Students interested in discussing a minor with an advisor should consult with faculty in the department(s) listed as sponsors of the minor. Declaration details may be requested at DECMAJR@oldwestbury.edu.

All minors require a minimum of five courses and 18 credits. A minimum of 16 credits in the minor must be taken outside the student's major. Up to two courses in a minor may be transferred from another institution.

Completion of a minor requires a 2.0 cumulative grade point average in courses applied to the minor. No D grades may be applied toward a minor.

Following is a list of available minors, with descriptions and specific requirements for each:

Accounting	Hispanic Cultural Studies	Pre-Law Studies
African American Studies	Industrial and Labor Relations	Psychology
Computer and Information Sciences	Islamic Studies	Public Policy
Environmental Studies	Marketing	Social Work
French Studies	Mathematics	Spanish
General Business	Media and Communications	Visual Arts
Global Studies	Media Design	Women's Studies
	Multicultural US/British Literature	

ACCOUNTING MINOR

Sponsoring department: Accounting

After graduation every student will interact with a multitude of organizations over his or her lifetime. Every organization, whether business, government or nonprofit, utilizes accounting ("The Language of Business") to communicate its actions to both internal and external parties. Accordingly, a basic understanding of accounting is essential for developing a clear comprehension of developments in our increasingly complex society.

A minor in Accounting affords students an opportunity to obtain a basic understanding of the language organizations use to communicate. It also provides supplemental business skills which the student can offer in the marketplace and broadens career opportunities, as well as provides a foundation for students planning to earn graduate business degrees.

Requirements:

All students are required to complete a minimum of 26 credits. A minimum of 20 credits must be taken outside the student's major. Up to two courses in the minor may be transferred from another institution. The choice within the elective courses affords a student the opportunity to select an area of emphasis within accounting in which he or she has greater interest, if so desired.

Please Note: Most accounting courses must be taken in a pre-assigned sequence. Therefore, students interested in earning an Accounting minor should see the School of Business advisor as early as possible so as to allow for timely enrollment in prerequisite courses.

A. Core Courses: five courses

BU3502	Principles of Accounting I
BU3511	Principles of Accounting II
BU4500	Intermediate Accounting I
BU4510	Intermediate Accounting II
BU4570	Federal Income Tax I

B. Elective Courses: select one of the following options and take 8 credits in that option

Option I – Internal Reporting Emphasis

BU4590	Cost Accounting
BU5505	Essentials of Government and Nonprofit Accounting (2 cr.)
BU5555	Foundations of Accounting Information Systems (2 cr.)

Option II – Public Company Emphasis

BU5525	Fundamentals of International Accounting (2 cr.)
BU5540	Advanced Accounting
BU5550	Auditing
BU5555	Foundations of Accounting Information Systems (2 cr.)

Option III – General Accounting Emphasis

Choose any 8 credits from Options I or II.

AFRICAN AMERICAN STUDIES MINOR

Sponsoring Departments: American Studies, English, History and Philosophy, Psychology and Sociology

The minor in African American Studies critically engages students in the historical, cultural and political aspects of African American life in the United States, as well as examines the African American community in terms of Blacks in the Diaspora, and their origins in Africa-their historical homeland. The interdisciplinary minor exposes students to the literature, philosophy, culture, media, and history of African Americans in the United States and Africa. A primary purpose of this minor is to prepare students for graduate and professional careers in community service, education, government, law and private industry, as well as raise consciousness and broaden horizons about achievement and oppression.

The minor requires a total of five courses (20 credits), four of which must be taken outside the student's major courses. Two courses may be transferred from another college. Only two 2000 – level courses or below are accepted toward the minor. No D grades will be counted toward the minor.

A foundation course will provide students with the pivotal underpinnings in this multi-disciplinary area of study. Additional courses will be taken from the following areas:

- A. History
- B. Culture/Social Institutions
- C. Literature

Requirements:

The minor requires a total of five courses (20 credits) distributed as follows:

A. Foundation Course (4 credits)

AS1282 Introduction to African-American Studies

B. Elective Courses (16 credits) At least one from each area:

1. History

AS2262 African American History I
AS2263 African American History II
AS3270 Africa in the Americas
AS3412 African American Women's History
HI3640 African History
HI4650 The History of African Enslavement

2. Cultural/Social Institutions

AS3812 African Americans and the Mass Media
AS4715 African American Thought and Culture
HI3091 African Cultures

HI3610 America's African Heritage
HI3704 African Philosophy and Religion
HI3907 African Film
PY4730 African American Family Dynamics
SY3900 Social Movements

3. Literature

EL3870 Literatures of Africa
EL4010 The Harlem Renaissance
EL4040 Black Women Writers
EL4070 Topics in African American Literature
EL4090 Afro-American Novel
EL4091 Afro-American Poetry and Plays
EL4405 Caribbean Literature

COMPUTER & INFORMATION SCIENCE MINOR

Sponsoring department: Mathematics/CIS

- The Computer & Information Science minor requires a minimum of five courses (20 credits).
- A minimum of 16 credits must be taken outside the student's major requirement.
- Up to two courses may be transferred from other institutions.
- Completion of the CIS minor requires a grade of C or higher in all required courses for the minor.

Students must complete 20 credits as follows:

All of the following four Courses (16 Credits)

CS2510	Computer Programming I	4
CS2511	Computer Programming II	4
CS3810	Data Structures & Algorithms	4
CS4501	Software Engineering	4

Elective: One Upper Division Computer Science Course (4 Credits)

Take one 4000 or 5000 level computer science course (excluding CS4100 Technical Communications): CS4xxx Or CS5xxx. Please note that the above CS courses require mathematics prerequisites, including MA2090 and MA3030. Also note that where MA2090 is listed as a prerequisite, MA2080 is allowed as a substitute. Where MA2310 is listed as a prerequisite, MA2300 can be substituted.

DIGITAL DESIGN MARKETING MINOR

Sponsoring departments: Visual Arts Department and the Department of Management, Marketing and Finance

The Digital Design Marketing minor is an interdisciplinary offering that empowers students from all disciplines with the knowledge they need to attain employment in today's highly competitive, digitally-driven business environments. The goal of the curriculum is to provide the technological skills of interactive web and digital media with the marketing acumen to competently deliver optimal provider outcomes with cutting edge expertise and elegance. Students will learn how to develop successful marketing plans and design effective visual communications that engage the conception, pricing, distribution and promotion of well-conceived brands with unique identities. In conjunction with an academic foundation in marketing skills and graphic design, students learn to use Adobe Creative Suite software: InDesign, Photoshop, Illustrator, Dreamweaver, Flash and ePub, applied to designing page layout, logos, and typography for packaging, poster, book, e-book, environmental designs and mobile applications. The overall objective is to provide experiential know-how for the graduate to compete as an entrepreneur, marketer or employee empowered with today's latest skills and abilities.

Requirements:

The minor requires a total of five courses and a minimum of 18 credits distributed as follows:

A. Foundation Courses: two courses - required

School of Business

BU 3800 – Marketing Principles

Visual Arts

VA 2320 – Graphic Design I

B. Electives: choose the remaining 3 courses from the following course list.

BU 4800 – Marketing Research

BU 4851 – Consumer Behavior

BU 5880 – Brand Theory & Strategy

VA 3400 – Digital Imaging

VA 4260 – Interactive Web Design

VA 4320 – Graphic Design II

All students must have at least 2 courses in Marketing and 2 in Visual Arts except for Marketing or Visual Arts majors who must satisfy all minor electives in the alternate discipline.

ENTERTAINMENT AND SPORTS MANAGEMENT MINOR

Sponsoring department: Professional Studies

New York is a hub of the Entertainment Industry and the home of a wide variety of professional, semi-professional, and organized amateur Sports organizations. The minor in Entertainment and Sports Management is designed to give students knowledge and skills to help them enter and succeed in the business activities of these enterprises.

Requirements

Students are required to take 20 credits by completing the five following courses.

A. Foundational Courses (12 credits)

PS 4420 Entertainment and Sports Management

PS 4430 Entertainment and Sports Marketing

PS 4440 Entertainment and Sports Media

B. Advanced Courses (8 credits)

PS 5425 Entertainment and Sports Law

PS 5435 Entertainment and Sports Finance

ENVIRONMENTAL STUDIES MINOR

Sponsoring departments: American Studies; Biological Sciences; Chemistry/Physics; Politics, Economics and Law; Psychology and Sociology

Students interested in environmental issues may enhance their knowledge of the interaction of humans with their environment by minoring in Environmental Studies. This interdisciplinary course of studies exposes the student to both environmental sciences as practiced in biology and chemistry, as well as policy issues, which are explored from a social science perspective. Students who are majoring in the natural sciences may wish to pursue this minor in preparation for a career in environmental research. Students in the Social Sciences and Humanities may want to broaden their knowledge of environmental issues in preparation for a career involving environmental policy or law. Direct participation in environmental agencies and organizations on Long Island or independent laboratory research on an environmental problem is an important aspect of this minor.

Requirements

Students minoring in Environmental Studies are required to complete five courses (20 credits), distributed as follows:

A. Required Courses (8 credits)

1. BS2490 Environmental Science or BS4470 Ecology
2. BS4680 Environmental Health

B. An independent study taken under the auspices of one of the following (4 credits)

- AS4832 Internship in Journalism
- BS5591 Environmental Research
- CP5900 Research
- PH4900 Health and Society Field Placement
- PE5999 Internship
- PY5510 Advanced Issues in Social Psychology
- SY5990 Senior Seminar (requires approval from the Sociology Department)

C. Elective Courses: at least two additional courses chosen from the following list (8 credits)

- AS4200 Environmental Journalism
- BS2490 Environmental Science
- BS3450 Plant Biology

- BS3530 Comparative Genomics Lecture
- BS3531 Comparative Genomics Lab
- BS3710 Environmental Physiology
- BS4470 Ecology
- BS4472 Microbial Ecology
- BS4491 Human Ecology
- BS4651 Toxicology
- CP2000/2001 Chemistry for Non-Majors with Lab
- CP2300/2301 Weather Studies with Lab
- CP2400/2401 Ocean Studies with Lab
- CP2500/2501 Climate Studies with Lab
- CP2600 Environmental Analysis of Long Island
- HS4800 Epidemiology
- HS4890 Environmental Policy and Politics
- PE3720 Long Island Economy, Environment and Society
- PY3520 Environmental Psychology

FRENCH STUDIES MINOR

Sponsoring departments: Modern Languages

The French Minor consists of 20 credits. Up to two courses might be transferred from another institution. Students must take (a) a sequence of three French language courses; (b) one French Culture course offered by the ML Department in English; and (c) and a fifth course, either (1) a further French language course, or (2) a course in English in either Literature or Film. The objectives of this minor are to help students acquire a solid foundation in the language, to strengthen their communication skills, and to offer them a broad introduction to French and Francophone culture.

Requirements:

Students minoring in French Studies are required to complete five courses (20 credits) as follows:

A. Three Conversation and Grammar Courses (12 credits):

- ML1000 Basic French I
- ML1010 Basic French II
- ML2000 Intermediate French I
- AND -

B. One Survey Course in English (4 credits):

- ML3800 Modern French Culture: France and the Francophone World
- AND -

C. One additional course, either:

1) One additional French Language course (4 credits)

- ML2010 Intermediate French II
- OR -

2) One Literature or Film course in English (4 credits).

- HI3907 African Film
- ML4645/EL4640 French Literature
- EL4405 Caribbean Literature

GENERAL BUSINESS MINOR

Sponsoring department: Management, Marketing and Finance

All students find themselves working in or interfacing with profit and not-for-profit organizations throughout their lives. It is important for students to understand the basics of how such organizations function in order to better navigate both their careers and daily living. This minor provides students with an understanding of the fundamentals of business.

A minor in General Business provides students with a basic understanding of the four functions of management, the principles of marketing, basic accounting, financial standards, and the role of business in society. It provides business skills that will help students in any major in their careers as well as provide a foundation to go on to advanced studies.

Requirements

All students are required to complete five (5) courses with a minimum of 18 credits. Four (4) of the five (5) courses are required and the fifth can be chosen from a selection of four (4) courses which represent the various business disciplines.

A. Required Courses: four courses:

BU3010	Information Systems for Managers
BU3502	Principles of Accounting I
BU3800	Principles of Marketing
BU4110	Organizational Behavior & Management

B. Elective Course: one of the following:

BU4035	Web Systems and Electronic Commerce
BU5125	Business Ethics
BU4851	Consumer Behavior

GLOBAL STUDIES MINOR

Sponsoring departments: English, History and Philosophy, Modern Languages, Politics, Economics & Law and Sociology

The Global Studies minor offers a transnational perspective that has become critical for college students regardless of their major and career goals. It contains two options. The first option brings together the international and regional courses offered in English (EL), History and Philosophy (HI) and Politics, Economics and Law (PEL). History and Philosophy contributes courses in history and culture (a cross-cultural course from Sociology is also included), English contributes the literature courses, and Politics, Economics and Law the courses in politics, international relations, economics, political economy, and economic history. The second option incorporates foreign language courses from Modern Languages (ML). Teacher Education candidates for New York State secondary school certification will find this minor helpful.

Requirements

Students minoring in Global Studies are required to complete five courses (20 credits), distributed as follows:

Option 1:

A. Foundation Courses: one course (4 credits)

HI4001	Nineteenth Century
HI4011	Twentieth Century
PE3100	International Relations
PE4580	Origins of the Capitalist Economy

B. Elective Courses: four courses (16 credits) - at least one must be taken in each category:

1. International Courses (at least one)

HI3040	Analysis of Culture
HI3600	Global Geography: People, Places and Environments
HI4600	World Cultural Geography
PE3100	International Relations
PE3240	Inter-American Relations and Immigration
PE3400	Political Economy of the Third World
PE3440	International Economics
PE3450	Women from a Global Perspective
PE3600	Global Geography: People, Places and Environments

PE4100	International Organizations in the Global Economy
PE4150	Terrorism and Politics
PE4590	Global Economy in the 20 th Century
PE4665	Human Rights
SY4500	Global Sociology

2. Regional Courses (at least one)

EL3700	Survey of World Literature
EL3865	Literatures of Asia and the Middle East
EL3870	Literatures of Africa
EL3880	Masterpieces of Hispanic Literature
EL4405	Caribbean Literature
EL4600	Literature of India
EL4630	Latin American Literature
EL4640	French Literature
EL4650	Literature of Russia and Eastern Europe
HI3080	Asian Cultures
HI3091	African Cultures
HI3102	Hispanic Heritage
HI3110	Latin American Culture

HI3640	African History
HI3692	Modern Asian History
HI3700	Historical Geography of Latin America
HI3704	African Religions and Philosophy
HI3835	Islamic Cultures
HI4308	Islam and the Modern World
HI4632	Japanese History Through Literature
HI4800	History of India
HI4905	Chinese Civilization
PE4660	Politics of South Asia
PE4690	Politics of Latin America and the Caribbean

Option 2:

A. Prerequisite: two courses in a foreign language (Liberal Education Curriculum)

B. Two additional foreign language courses (8 credits)

C. Three courses from the curriculum in Option 1 (12 credits):

- one foundation course
- one international course
- one regional course (conforming to the foreign language studied)

Recommendations

Foreign language: It is highly recommended that students choosing Option 1 complete the foreign language domain in their Liberal Education Curriculum program if they currently have no knowledge of a foreign language.

Economics: Students who are not already taking courses in principles of economics for their major should consider taking PE2420 Principles of Microeconomics and PE2430 Principles of Macroeconomics as general electives.

HISPANIC CULTURAL STUDIES MINOR

In the Hispanic Cultural Studies Minor, students will be exposed to a diversity of topics related to Spanish and Latin American cultures. Students will be able to complete the program in Spanish or in English. Students in both options will be required to take a platform course on theory of Hispanism and Hispanic Cultural Studies to be offered in English and a language course. Students can opt to complete the Minor with courses offered in Latin America or in Spain. This Minor is an excellent option for students completing majors in education, sociology, psychology, business, as they are likely to interact with Hispanic communities in the U.S. and abroad. Students will be allowed to take up to 2 courses from other departments, with permission from a Modern Languages faculty member. Only one course in either Option can be applied towards the student's major. 20 Credits.

Minor in Hispanic and Latin American Studies. 20 Credits

Platform course: ML2550: Introduction to Hispanism and Hispanic Culture. Includes an internship in a community based Hispanic organization. Required for Both Options. Offered in English.

Option1: Courses from the following list taught in Spanish

ML3100 Advanced Spanish Conversation and Composition

OR

ML3362 Advanced Spanish Grammar and Composition
and 3 courses from the following list:

ML4545 Civilization and Culture of Latin America

ML4350 Recurrent themes in Latin American Painting and Literature

ML4510 Civilization and Culture of Spain

ML4520 Culture and Literature of Spanish Caribbean

ML4750 Fiction into Film

ML3300 Artistic Espressions of Spain (Study Abroad)

ML3310 Hispanic Cultural Topics (topics will vary) TBD

Option 2: Courses from the following list taught in English.

ONE Language course at the 1000, 2000, 3000 or 4000 level upon advisement from ML faculty and 3 courses from the following list:

ML3410 Latino/a Writers in the United States

ML3650 Cinema of Latin America and the Iberian Peninsula

ML4630/EL4630 Latin American Literature

HI3302 Hispanic Heritage

HI3110 Latin American Culture

PE2240 Introduction to Latin American Studies

PE4690 Politics of Latin America and the Caribbean

PE3640 History an Culture of Latina/os in the U.S.

ML3300 Artistic Espressions of Spain (Study Abroad)

INDUSTRIAL AND LABOR RELATIONS MINOR

Sponsoring departments: Politics, Economics and Society and Sociology

The Industrial and Labor Relations minor aims to assist students in advancing careers in this area, whether in the private or public sector. Its required courses include Unions and Management; Unions and Public Policy; and Collective Bargaining. There is a wide range of elective courses on topics such as arbitration and mediation; the history of American labor relations; women, minorities and work; and labor and employment law.

All students are required to complete five courses or 20 credits. No more than one course may be transferred from another institution. All courses listed below are four credits.

A. Required Courses: three courses (12 credits)

- IR2210 Unions and Management: An Introduction
- IR3140 Unions and Public Policy
- IR3300 Collective Bargaining & Grievance Procedures

B. Elective Courses: two courses (8 credits)

- HS4770 Occupational Health
- IR3120 History of American Labor Relations
- IR3260 Comparative Labor Relations
- IR3330 Women, Minorities and the Workplace
- IR3415 Labor Economics
- IR3500 Arbitration and Mediation
- IR3860 Development of the Modern Corporation
- IR4320 Labor and Employment Law
- SY3910 Sociology of Work

Industrial and Labor Relations course descriptions are found on page 187-188.

ISLAMIC STUDIES MINOR

Sponsoring department: History and Philosophy

The Islamic Studies minor allows students to develop an interdisciplinary understanding of Islam as a faith and as a force in world history and in societies today. The curriculum is designed to foster insight into Islam in the context of other world religions and societies. The minor requires five courses:

1. HI 3835 Islamic Cultures

2. ONE from the following:

- HI 1010 World Religions--West
- HI 1020 World Religions--East
- HI 2511 World History I--Non-Western World

3. ONE from the following:

- ML 1300 Basic Arabic Language I

OR

- HI 4318 Islamic Philosophy and Mysticism

4 TWO from the following:

- HI 3704 African Religions and Philosophy
- HI 3840 Crescent and Cross
- HI 4305 Islam and the Quran
- HI 4308 Islam in the Modern World
- HI 4306 Golden Age of Islam
- PE 4200 Middle Eastern Politics

MINOR IN ITALIAN

ITALIAN CULTURAL STUDIES MINOR

Sponsoring department: Modern Languages

The Italian Cultural Studies Minor consists of 20 credits. Up to two courses may be transferred from another institution. Students must complete (a) two Basic Italian Language Courses; (b) two Cultural Studies courses offered by the ML Department in English; including ML3150, ML3450; (c) and a fifth course, either (1) a further Italian language course; or (2) by approval from the instructor, a course in History or Literature including EL3560 and HI4557 in which the contributions of the Italian Renaissance are emphasized; (c) a summer abroad course, or (d) a COIL course which supports international collaboration with an Italian institution. The objectives of this minor are to help students acquire a solid foundation in the language, to strengthen their communication skills, and to offer them a broad introduction to Italian culture.

Requirements:

Students minoring in Italian Cultural Studies are required to complete five courses (20 credits) as follows:

A. Two Conversation and Grammar Courses (8 credits):

ML1400 Basic Italian I

ML1410 Basic Italian 2

AND

B. Two Culture/Film Courses taught in English

ML3150 Modern Italian Civilization (GE 3) 4

ML3450 Italian Cinema from Neo-Realism to Present (GE H) 4
(Formerly GE2B Creativity and the Arts)

C. One additional course, either:

A. Sumer Abroad Rome (with Stony Brook University

or OW program TBA)

B. Or, ONE of the following with advisement:

ML2400 Intermediate Italian 1 (With course approval) (GE6)

HI4557 Renaissance and Reformation in Europe

EL3560 Literatures of Europe, Pt. 1 Old Testament and Home
to the Renaissance (GE H)

C. COIL COURSES: BU4120 Global Business (Emphasis on Italy/EU)

or other courses by advisement.

Sub-Total (II. A-b-c)

MARKETING MINOR

Sponsoring department: Management, Marketing and Finance

The minor in Marketing is designed to provide a concentration for students with a nominal background in business. The minor may be valuable for liberal arts majors, such as media and communications majors, to gain a competitive edge in their careers. The requirements and prerequisites make it a feasible option for many students who seek in-depth knowledge of marketing's role in the success and survival of all organizations, including businesses and non-profit organizations.

Key environmental factors are analyzed which influence organizations in a global marketplace. Students will learn how to develop effective domestic and global marketing strategies for products/services, distribution, pricing and promotion. (Promotion includes advertising, selling, sales promotion, direct marketing and public relations). The significant impact of the internet, new technologies and ethical issues on marketing strategies are also addressed from domestic and global perspectives.

Requirements

The minor requires a total of five courses, distributed as follows:

A. Foundation Courses: four courses

BU3800 Marketing Principles

BU4851 Consumer Behavior

BU4820 International Marketing

BU5880 Brand Theory and Strategy

B. Elective Courses: one of the following

BU5841 Strategic Marketing

BU5891 Marketing Seminar

MATHEMATICS MINOR

Sponsoring department: Mathematics/CIS

The minor in Mathematics is available for those students who want their formal college records to emphasize a serious amount of upper-division work in mathematics.

- The mathematics minor requires a minimum of six courses and 24 credits.
- A minimum of 16 credits must be taken outside the student's major requirement.
- Up to two courses may be transferred from other institutions.
- Completion of the Mathematics minor requires a grade of C or higher in all required courses for the minor.

Students must complete 24 credits as follows:

A. Required Mathematics Courses:

All of the following four courses (16 credits)

MA2310	Calculus & Analytic Geometry I	4cr
MA2320	Calculus & Analytic Geometry II	4cr
MA3030	Discrete Mathematics	4cr
MA3160	Linear Algebra	4cr

B. Required Elective Courses: Two courses from the following (8 credits)

MA3210	Intro. to Probability & Statistics	4cr
MA3330	Calculus and Analytic Geometry III	4cr
MA3520	Transition to Advanced Mathematics	4cr
MA4100	Number Theory	4cr
MA4510	Geometry	4cr
Any 4000 or 5000 level	Mathematics Course	4cr

APPLIED MATHEMATICS MINOR

Sponsoring department: Mathematics/CIS

The minor in Applied Mathematics is designed for those students who want to strengthen their skills in essential areas of quantitative reasoning, critical thinking, and problem solving across a range of disciplines. This minor is especially relevant to students majoring in the natural or social sciences, or in the School of Business, who intend to pursue advanced study or careers in areas that require strong analytical skills. (Examples of such professional areas would include actuarial science, biostatistics, business administration, decision science, finance, management science, operations research, natural resources and sustainability.) Students will explore the use of mathematical models to analyze and solve real-life problems and systems. Applied mathematics provides valuable tools for improved decision making, and for enhanced understanding of uncertainty and complexity in the world.

- The Applied Mathematics minor requires a minimum of six courses and 24 credits.
- A minimum of 16 credits must be taken outside the student's major requirement.
- Up to two courses may be transferred from other institutions.
- Completion of the Applied Mathematics minor requires a grade of C or higher in all required courses for the minor.

Students must complete 24 credits as follows:

A. Required Mathematics Courses: All of the following four courses (16 credits)

MA2310	Calculus & Analytic Geometry I	4cr
OR		
MA2300	Calculus for Business & Economics	4cr
MA3160	Linear Algebra	4cr
MA3210	Intro to Probability & Statistics	4cr
MA4910	Operations Research I	4cr

B. Required Elective Courses: Two courses from the following (8 credits)

MA2320	Calculus & Analytic Geometry II	4cr
MA4300	Numerical Analysis	4cr
MA4360	Differential Equations	4cr
MA4920	Operations Research II	4cr
MA5230	Mathematical Statistics	4cr

MEDIA AND COMMUNICATIONS MINOR

Sponsoring departments: American Studies and Sociology

The media play a role in every aspect of life. Our economy, our politics, our culture, and even our personal identities are formed in media consumption and production. Media analysis is a critical tool in understanding and functioning in contemporary society. "Media literacy" has become a basic educational need. A minor in Media and Communications can be a valuable credential for students majoring in or considering a career in government, politics, business, media, advertising, marketing, public relations or education.

The minor consists of 20 credits:

A. Foundation Course (required)

AS2802 Introduction to Journalism and Media

B. Media Studies Courses (two courses required)

AS2652 Media Studies
AS2700 The Engaged Eye
AS3310 Citizen to Consumer
AS3492 Women and the Media
AS3632 History of US Film
AS3712 American Film Genres
AS3722 History of Mass Media
AS3732 Politics of Media
AS3735 Documentary Media Studies
AS3742 Myths & Images in Film
AS3745 Feminine & Masculine in Film
AS3810 Music and Media

AS3842 African-Americans in the Mass Media
AS3852 Women and the Media
AS4160 Special Topics in Media Studies
AS4280 Global Media
AS4722 Film: Ideas and Aesthetics
AS4725 The Photograph and American Culture
AS4732 Political Film
AS4802 Investigative Reporting
AS4850 Digital Revolution
CR3200 Crime, Media and Culture
SY4651 Sociology of Communications and Media

C. Production Courses (two courses required)

Select two production courses from the offerings in print journalism, video, radio, television, or new media listed on page 87.

MEDIA DESIGN MINOR

Sponsoring departments: American Studies and Visual Arts

Requirements

20 credits, distributed as follows:

A. Theory Courses: two courses (8 credits)

AS3632 History of U.S. Film
AS3712 American Film Genres
AS3722 History of Mass Media
AS3732 Politics of Media
AS3735 Documentary Media Studies
AS3742 Myths and Images in Film
AS3745 Feminine & Masculine in Film
AS4722 Film: Ideas and Aesthetics
AS4725 The Photograph and American Culture
AS5420 Propaganda and Mass Persuasion
AS5712 Mass Media and Popular Culture

B. Hands-on Courses: three courses (12 credits)

AS3247 Video Production
AS4260 New Media Newsroom
AS4825 Making a Newspaper/Magazine
AS4852 Documentary Production
AS4965 Video in Action
AS9990 Independent Study
VA2320 Graphic Design I
VA2400 Introduction to Photography I
VA3380 Digital Video
VA3400 Digital Imaging
VA4242 Print Design
VA4260 Interactive Web Design
VA4265 3D Digital Design
VA9990 Independent Study

MULTICULTURAL U.S./BRITISH LITERATURE MINOR

Sponsoring Department: English

The Multicultural U.S./British Literature minor includes texts from the U.S. and U.K. by writers of different ethnicities, genders, sexualities, classes, and ability/disability status. It focuses on the complexity of two countries in which people of many different cultures cohabit. It provides grounding in recent debates in literary study and features intensive work in effective writing and expression. Majors in Media and Communication, Business programs, and other areas will benefit from this minor, which improves communication skills that are fundamental to teaching, writing, and speaking.

Program of Study

The minor requires five courses (20 credits) drawn from the first four tiers of the English degree (Multicultural U.S./British Literature Concentration) culminating with Major Authors, an in-depth look at the life and work of one or more authors.

Requirements

(Select one from each group)

A. Linguistic Foundations (4 credits)

EL3010 Structure and Grammar of English

B. Literary Analysis (4 credits)

EL3500 Literature Across Cultures I: Analysis and Interpretation

EL3510 Literature Across Cultures II: Theory

EL4400 Critical Theory

C. Literary Traditions (4 credits)

EL3600 U.S. Literature I: Colonial Period to Civil War

EL3610 U.S. Literature II: Civil War to Present

EL3800 English Literature I: Beowulf to 18th Century, inclusive of Shakespeare

EL3810 English Literature II: Romantics to Present

EL3950 Creative Non-Fiction

EL4200 Biblical-Classical Foundations of Multicultural Literature

EL4300 20th-Century Literature: Colonialism and PostColonialism

EL4325 Shakespeare: Selected Plays

EL4402 Sin and Sexuality in Literature

EL4500 Topics in British/U.S. Literature

EL4510 Modern Drama and Theater

D. Perspectives on Literature (4 credits-choose ONE course from any group)

British/U.S. Literature

EL4030 Women and Narrative

EL4050 Lesbian and Gay Literature

EL4060 Literature of Class and Class Consciousness

EL4080 Extraordinary Bodies: Disabilities in Literature

U.S. Literature

ML3410 Latino Writers in the US

EL4000 Native American Literature

EL4010 Harlem Renaissance

EL4015 Multi-Ethnic Literatures of the United States

EL4020 Asian American Literature

EL4040 Black Woman Writers

EL4070 Topics in African American Literature

EL4090 African American Novel

EL4091 African American Poetry and Plays

EL4405 Caribbean Literature

British Literature

EL4550 Modern English Literature 1890-1960

EL4560 Multicultural British Literature Since 1960

E. Major Literary Figures (4 credits)

EL4800 Major Authors

PHILOSOPHY AND RELIGION MINOR

Sponsoring Department: History and Philosophy

This minor enables students to undertake a coherent program of study in Philosophy and Religion as a supplement to their major field of study at the College. All students must take one introductory course in an aspect of Philosophy and one in Religion, and then choose three additional courses in one of the three tracks set out below.

Requirements

The minor requires at least five courses (20 credits), distributed as follows:

Core Courses

8 credits

Choose one course from each of the following two groups:

Group 1

- HI 1010 World Religions West
- HI 1020 World Religions East
- HI 2155 Introduction to Comparative Religion

Group 2

- HI 2200 Science in Western Civilization *
- HI 2700 Introduction to Logic *
- HI 2720 Introduction to Philosophy

Choose 3 courses in one of the following tracks; 12 credits total:

A. Modes of Philosophical Inquiry

- HI 2700 Introduction to Logic *
- HI 3525 Ancient Greek Philosophy
- HI 3703 Modern Philosophy
- HI 3704 African Religions and Philosophy
- HI 3710 Contemporary Philosophical Issues
- HI 3752 Ethics
- HI 3950 Philosophy of Religion
- HI4051 Logic and Scientific Reasoning
- HI 4318 Islamic Philosophy and Mysticism
- HI 4395 Philosophy from the 20th to the 21st Century
- PE 4620 Political and Social Thought
- PE 4658 Law and Civil Liberties
- PE 4665 Human Rights

* Can count towards core requirement or towards a track, but not both.

B. History of Ideas

- HI 2200 Science in Western Civilization *
- HI 3002 Rise of Reason
- HI 3011 Foundations of the Judeo-Christian Tradition
- HI 3021 Europe in the Middle Ages
- HI 3030 From God to the Machine
- HI 3704 African Religions and Philosophy
- HI 4318 Islamic Philosophy and Mysticism
- HI 4420 Women and Witchcraft
- HI 4557 Renaissance and Reformation
- AS 3482 History of Love and Sexuality
- AS 4215 Critical Ideas in American History
- PE 4620 Political and Social Thought

C. Modes of Religious Inquiry

- HI 3011 Foundations of the Judeo-Christian Tradition
- HI 3200 Contemporary Experience of Religion
- HI 3323 Buddhism
- HI 3704 African Religions and Philosophy
- HI 3950 Philosophy of Religion
- HI 4305 Islam and the Quran
- HI 4306 Golden Age of Islam
- HI 4318 Islamic Philosophy and Mysticism
- HI 4420 Women and Witchcraft

PRE-LAW STUDIES MINOR

Sponsoring Departments: American Studies; History and Philosophy; Politics, Economics and Law; and Sociology.

Pre-Law Committee: Laura Anker (American Studies), Maureen Feder-Marcus (History and Philosophy), Carolyn Cocca (Politics, Economics and Law).

Law schools maintain that there is no particular undergraduate major that will best prepare students for admission to the study of the law. In accepting applicants, all use LSAT scores, GPA's, reference letters, personal written statements, and various indicators of applicants' interest in and suitability for entry into the profession. However, schools have identified the requisite skills for success in the completion of a law degree. They include analytical and problem-solving skills; the ability to reason, to construct a logical argument, and to present that cogently orally and in writing. A strong liberal arts education is crucial in developing these abilities.

Four liberal arts programs at Old Westbury have traditionally graduated students who have gone on to law school and legal careers. They are American Studies (AS); History and Philosophy (HI); Politics, Economics and Society (PES); and Sociology (SY). In addition to providing students the opportunity to achieve the necessary competencies, these programs offer a range of courses which contribute to a knowledge base that is pertinent to law studies. In the past, majors in each of these programs have been advised to broaden their liberal arts preparation for law school by taking specific electives in the others. Faculty in the four programs have now instituted a pre-law committee to coordinate and formalize their recommendations to aspiring law students. The committee has arranged the recommended courses in a 20-credit pre-law minor.

The curriculum of the minor pulls together courses in the liberal arts disciplines of economics, history, philosophy, political economy, political science and sociology. Excluded are courses on specific areas of the law that are required or recommended for majors in the career-oriented programs of Business and Management, Health and Society, Industrial and Labor Relations, and Media and Communications. These law courses, however, may be of interest to students with specific career goals and are listed at the end of the pre-law curriculum to apprise pre-law minors of their availability.

Majors and Minors:

The Pre-Law minor is open to all academic majors who are interested in applying to law school. Since only one course in a student's major can be used to satisfy the requirements of a minor, AS, HI, PEL, and SY majors opting for the pre-law minor must choose courses offered by programs other than their own. Majors in all other academic programs may choose courses within the various categories identified in the curriculum below.

Pre-Law Curriculum:

Liberal Education Curriculum: Choose one 2000-level course in the Liberal Education Curriculum Program that is a prerequisite to the minor. Choose from:

HI2700 Introduction to Logic **OR** PE2300 Introduction to Law

In choosing courses to fulfill their Liberal Education Curriculum requirements, pre-law students are also advised to consider the following which provide useful background information and skills:

AS2112 American People I
AS2122 American People II
AS3462 History of Women in the U.S.
HI2681 Introduction to European History
HI2720 Introduction to Philosophy
HI4001 Nineteenth Century
HI4011 Twentieth Century
PE2650 Introduction to U.S. Politics
PE4580 Origins of the Capitalist Economy

Requirements

Students must complete 5 courses or 20 credits as follows:

A. Theory: two courses (8 credits)

AS4215 Critical Ideas in American History
AS5202 American Social and Political Visions
HI3703 Modern Philosophy
PE4325 Jurisprudence: Legal Thought
PE4470 History of Economic Thought
PE4620 Political and Social Thought
SY4530 Sociological Theory I

B. Issues and Institutions: two courses (8 credits)

AS4222 The Gilded Age and the Progressive Era
AS4252 Immigrants, Migrants, and Americanization
CR4099 Sociology of Violence
HI3752 Ethics

PE3410 Contemporary U.S. Political Economy
PE4650 Topics in U.S. Politics
SY2550 Social Problems
SY2600 Social Deviance
SY3630 Political Sociology

C. Constitutional Law, Civil Rights, and the Judicial Process: one course (4 credits)

CR3093 Criminal Justice Administration
IR3500 Arbitration and Mediation
PE4655 Constitutional Law and Politics
PE4658 Law and Civil Liberties
PE4659 Law and Civil Rights
SY4810 Law and Justice

Internships:

Law internships for juniors and seniors are available and are highly recommended for the "hands on" experience they provide. American Studies offers internships in local government and community agencies with credits ranging from 4 to 8, dependent on the length of time spent on site. Politics, Economics and Law also offers internships that carry 4 to 8 credits and recruits students for the New York State Assembly Session Internship Program offered each spring in Albany as well as the Semester in Washington (D.C.) Internship Program offered through SUNY Brockport.. Interested students should consult a pre-law adviser.

Pre-Law Center:

The Pre-Law Center, located in the NAB 3053, has numerous resources for students considering law school: information about the Law School Admission Test and how to prepare for it; networking events and internship opportunities; materials about law schools across the country; and an advisor to guide students through these processes.

Specific Law Courses:

The law courses taught in the career-oriented programs of Health and Society, Industrial and Labor Relations, Media and Communications, and the School of Business are:

AS4220 Media and the Law
BU3600 Principles of Business Law
BU3605 Intermediate Business Law
BU3610 Advanced Business Law

HS4820 Health Law

IR4320 Labor and Employment Law

While these are not part of the pre-law curriculum, liberal arts majors, who may be contemplating legal careers in any of these areas, should consider acquiring a greater appreciation of the subject by taking the appropriate course.

PSYCHOLOGY MINOR

Sponsoring department: Psychology

Basic psychological knowledge is essential for an understanding of modern culture. Discourse in the arts, media and politics is infused with assumptions about the psyche. Educational debates hinge on differing theories of learning and cognition. Medicine and science are increasingly aware of the impact of psychological factors on health and in the process of scientific inquiry. Advertising and economic projections incorporate theories concerning human motivation. Understanding of human cognitive processes is critical to the development of software technology and artificial intelligence systems.

Requirements

Students must take at least 20 credits or a minimum of 5 courses in Psychology, distributed as follows:

A. PY2010 Introduction to Psychology (required) 4 cr.
(minimum grade of C)

B. Two courses from the following: 8 cr.

- PY3215 Foundations of Child Development
- PY3230 Adulthood & Aging
- PY3310 Abnormal Human Behavior
- PY3311 Theories of Personality
- PY3510 Social Psychology
- PY3520 Group Process
- PY4420 Adolescent Development
- PY4450 Infants and Toddlers

C. One course from Group A*, Cognitive and Physiological 4 cr.

D. One course from Group C*, Diversity and Social Justice 4 cr.

*Refer to Psychology Department section of this catalog for a list of courses in Group A and Group C (page 94)

Please Note:

One course must be at the 4000-level or above. Students must receive a grade of C or better in all courses in the minor, or earn a cumulative average in the minor of 2.5 or better.

PUBLIC POLICY MINOR

Sponsoring departments: Health and Society; Politics, Economics and Law; Sociology

Faculty Advisors: Sachi Dastidar (PEL), Martha Livingston (PH), Diana Papademas (SY)

This minor is intended to give students an opportunity to explore the role of government in addressing current issues of public concern.

Requirements:

Students minoring in Public Policy are required to complete five courses (20 credits), as follows:

A. Core Courses: two courses (8 credits)

- IR3140 Labor & Public Policy
- PE2220 Urban Issues
- PE2650 Introduction to U.S. Politics
- PE3690 City & Suburb: Political Action and Change
- SY4600 Social Programs, Planning & Policy

B. Elective courses: three courses (12 credits)

- AS4232 History of Social Work & Public Policy
- BU4780 Government Finance
- BU5125 Management & Society
- BU5472 Industrial Organization & Public Policy
- CR4093 Criminal Justice Administration
- PH4750 Aging & Social Policy
- PH4760 Health Administration
- PH4790 Health Policy
- PH4890 Environmental Policy & Politics

- PE4409 Urban Economics
- PE4609 Public Administration
- PE4650 Topics in U.S. Politics
- PE4655 Constitutional Law & Politics
- PE4658 Law and Civil Liberties
- PE4659 Law and Civil Rights
- PY5520 Families & Public Policy
- SY3160 Sociology of Culture
- SY3750 Medical Sociology
- SY4810 Law & Justice
- SY4850 Urban & Suburban Sociology

Students are encouraged to take one internship course as one of their electives in the minor.

- AS4202 Internship in Government and Community

- PE5999 Internship in Politics, Economics and Society
- PE9970 New York State Legislative Internship
- SY4270 Internship in Social Work, Sociology and Criminology

SOCIAL WORK MINOR

Sponsoring departments: Public Health, Psychology and Sociology

Faculty Advisors: Martha Livingston (Public Health), Minna Barrett (Psychology)

Requirements

Students minoring in Social Work are required to complete five courses (20 credits), distributed as follows:

A. Required Course (4 credits)

- SY4260 Social Work: Theory and Practice

B. Human Behavior and Social Environment (4 credits)

- CR3094 Drugs and Society
- PH4450 Human Sexuality
- PH4631 Mental Health
- PH4650 Substance Use and Abuse
- PY3215 Foundations of Child Development
- PY3230 Adulthood and Aging
- PY3310 Abnormal Human Behavior
- PY3311 Theories of Personality
- PY3330 Psychology of Addictions
- PY3510 Social Psychology
- PY3620 Mood, Mentation, and Medication
- PY4320 Counseling Psychology
- PY4330 Behavior Modification
- PY4420 Adolescent Development
- PY4450 Infants & Toddlers

C. Social and Cross-Cultural (4 credits)

- CR2090 Juvenile Delinquency
- CR4000 Gender, Crime and Justice
- CR4099 Sociology of Violence
- CR4999 Issues in Criminology: Family Violence
- PY2340 Community Psychology
- PY2530 Psychology of Prejudice
- PY2720 Psychology of Gender
- PY3020 Health Psychology
- PY3520 Group Process
- PY3560 Psychology of Violence in the U.S.
- PY3740 Psychology of Latinos
- PY3750 Psychology of Asian Americans
- PY4520 Family Dynamics
- PY4560 Psychological Traumatization

- PY4720 Psychology of Women
- PY4730 African American Family Dynamics
- PY5770 Cross-Cultural Psychology
- SY2550 Social Problems
- SY2600 Social Deviance
- SY3160 Sociology of Culture
- SY3280 Social Inequality
- SY3700 Family and Society
- SY3800 Race and Ethnicity
- SY4400 Social Psychology
- SY4500 Global Sociology

D. Planning and Policy (4 credits)

- CR3092 Victimology
- CR4091 Punishment and Corrections
- PH4750 Aging and Social Policy
- PH4790 Health Policy
- PY4230 The Psychobiology of Aging
- PY5520 Families and Public Policy
- SY3750 Medical Sociology
- SY4600 Social Programs, Planning and Policy

E. Research and Internship (4 credits)

- PH4900 Health and Society Field Placement
- PY4130 Field Experience and Research
- PY4131 Internship in Applied Psychology
- SY4270 Internship in Social Work, Sociology and Criminology

Note: A minimum of 16 credits must be taken outside the student's major. No more than one course may be transferred from another institution.

SPANISH MINOR

Sponsoring department: Modern Languages

The Spanish minor consists of 20 credits. Up to two courses may be transferred from another institution. Students must take a sequence of four ML language courses and choose one survey course in English, in either literature or cultural studies, from a number of HI, PEL or ML options. The objectives of this minor are to help students acquire a solid foundation in the language, to strengthen their communications skills and to offer them a broad introduction to Hispanic culture.

Requirements:

Students minoring in Spanish are required to complete five courses (20 credits) as follows:

A. Four Conversation and Grammar Courses (16 credits):

ML1110 or CE2010 Basic Spanish II
ML2100 Intermediate Spanish I
ML2120 Intermediate Spanish II
AND
ML3100 Intensive Spanish Conversation and Composition

B. One Survey Course in English (4 credits):

Select one:
HI3102 Hispanic Heritage
HI3110 Latin American Culture
HI3480 Masterpieces of Hispanic Literature
ML3300 Artistic Expressions of Spain
ML3410 Latino Writers in the United States
ML/EL4630 Latin American Literature
PE2240 Introduction to Latin American Studies

VISUAL ARTS MINOR

Sponsoring department: Visual Arts

The Visual Arts minor consists of a core of three required courses (12 credits) and three elective options: art history; fine art; or electronic media for a total of 20 credits.

The minor is intended to serve two different groups of students. Students pursuing a liberal arts major would take the minor to explore non-linear modes of creative thinking and to become familiar with the ways in which art intersects with history, philosophy, psychology, literature and politics. Students majoring in professional programs such as teacher education, marketing, journalism and computer science can use the visual arts minor to develop some supplementary practical skills that will prove useful in their chosen career.

Requirements

A. Core Courses: three courses (12 credits)

VA2020 Basic Design 4 credits
VA2030 Drawing 4 credits
VA2045 Introduction to Color 4 credits

B. Completion of one of the following options:

Option 1

Art History: two courses (8 credits)
Two courses in art history at or above the 3000-level

Option 2

Fine Arts: two of the following (8 credits)
VA2010 Introduction to Creative Thinking 4 credits
VA2460 Painting I 4 credits
VA2750 Sculpture I 4 credits

Option 3

Electronic Media: two of the following (8 credits)
VA2320 Graphic Design I 4 credits
VA3380 Digital Video 4 credits
VA3400 Digital Imaging 4 credits
VA4260 Interactive Web Design 4 credits
VA4265 3-D Digital Design 4 credits
VA4460 Digital Animation 4 credits

WOMEN AND GENDER STUDIES MINOR

Sponsoring departments: American Studies; English; Psychology; Sociology

Director: Linda Camarasana

Women and Gender Studies is a multidisciplinary field that examines the creation, reconstruction, and perpetuation of asymmetrical sex and gender systems, as well as their connections to other systems of power and inequality. It explores the ways in which gender intersects with women's and men's personal identities, health and well-being, social and cultural arrangements, economic and political systems, and our ways of knowing and understanding the world.

The minor examines how ideologies of sex and gender have influenced and been influenced by culture and society; literature and the arts; law and public policy; and health, science, and technology. It closes gaps in traditional higher education resulting from the exclusion of women and other marginalized groups from many fields of study.

This program of study empowers students through a feminist critique of social, cultural, and institutional structures that enables them to think more critically about their own lives and that inspires them to work as active citizens for social justice. The knowledge and skills attained from the Women and Gender Studies minor are valuable in such fields as education, social work, art, literature, business and human resources, scientific research and the health professions, law and public policy, media production, nonprofit advocacy, psychology, and information technology.

Requirements

A. Foundation Course:

WS1000/AS1512 Introduction to Women's Studies 4 credits

B. Three Electives

(selected from at least two of the following three groups)

Group A: History

AS3412 African American Women's History
AS3462 History of Women in the U.S.
AS4432 History of the Women's Movement
HI4420 Women and Witchcraft
HI4850 Domesticity in 19th and 20th Century India

Group B: Literature

EL2222 Women's Voices
EL4030 Women and Narrative
EL4040 Black Women Writers
EL4050 Lesbian and Gay Literature
ML4450 Hispanic Women Writers (taught in Spanish)

Group C: Social Perspectives

AS3432 Women: Cultural Issues
AS3852 Women and the Media
AS4435 Women of Color Feminisms
BU5851 Consumer Behavior
CR4000 Gender, Crime, and Justice
IR3330 Women, Minorities, and the Workplace
PE3450 Women from a Global Perspective
PE4450 Politics of Gender and Sexuality
PH4450 Human Sexuality
PH4610 Women and Health
PY2720 Psychology of Gender
PY4720 Psychology of Women
SY3700 Family and Society

C. WS4900, Internship in Women and Gender Studies OR WS9990 Independent Study (or one additional elective from the lists above)

Prerequisite: WS1000/AS1512 Introduction to Women's Studies or equivalent course.

With approval from the Women's Center's Academic Director, students may substitute an appropriate internship in the following departments: AS 4202 Internship in Community and Government, EL4100 English Internship, HP3995 Career Internship; HS4900 Health and Society Field Placement; IR 5900 Internship in Industrial/Labor Relations, PE5990 PEL Internship, PY3130 Internship in Applied Psychology, PY4130 Field Experience and Research, SY4270 Internship in Social Work, VA4900 VA Internship. With approval from the Women's Center Academic Director, students may substitute an appropriate independent study in the same departments.

COURSE DESCRIPTIONS

AMERICAN STUDIES COURSES

All course offerings are contingent on budgetary allocations, faculty resources, and enrollment figures, and unless otherwise indicated, are offered in accordance with student demand.

Required courses are offered every year. Most courses are offered on a two year cycle. Some courses listed below are offered on varying schedules and are not necessarily offered each semester or each year. Students should not assume that 4000-level courses will be offered during the summer or winter sessions. 5000-level courses are not offered during the summer or winter sessions.

AS1152 Themes in U.S. History **4 cr.**

The course is an introduction to major issues in the history of the United States, from colonial times to the twentieth century. Topics may include: the origins of slavery and racism; industrialization and the growth of cities and suburbs; the growth of the American empire; movements for social change. Offered every semester.

AS1282 Introduction to African American Studies **4 cr.**

This is an introductory course in the themes and issues relevant to the inter-disciplinary field of African-American studies. Topics include: the origins and development of slavery and racism; African-American contributions to U.S. history; major African-American writers, artists, and thinkers; movements for political, racial, and economic equality. Offered occasionally.

AS1512 Introduction to Women's Studies **4 cr.**

Explores the development of women's lives, from childhood through adolescence to maturity. Focuses on the family, school, sexuality, and career options, and how these experiences and choices are affected by race, class, religion, ethnic origin, and gender. Readings include fiction, autobiography, history, and social science. Offered every semester.

***AS2020 New Media CE** **4 cr.**

Professional journalists are competing with a new type of amateur reporter: citizen journalists. Equipped with digital cameras and recorders these reporters cover their own communities posting multi-media content on-line. This course is an introduction to citizen journalism. Students collaborate in the creation of community-based new media projects. Offered every year.

AS2112 American People I **4 cr.**

History of the American people to 1877, which emphasizes the diverse experiences and perspectives of women, people of color, working people, and other historically marginalized groups. Topics include the American Revolution and the Constitution, the origins and development of slavery, the development of Northern capitalism, territorial expansion and displacement of Native Americans, and the conflicts which led to the Civil War. Novels and films supplement more traditional texts. Offered every semester.

Prerequisite: EC I.

AS2122 American People II **4 cr.**

History of the American people, 1865 to present, which emphasizes the diverse experiences and perspectives of women, people of color, working people, and other historically marginalized groups. Topics include Reconstruction, the Industrial Revolution and the growth of the corporation, the creation of the working class, World Wars and American expansion, Progressivism, the Depression and the New Deal, the rise of industrial unionism, the Cold War, and the Civil Rights movement and new challenges emerging with the rise of global capitalism. Novels and films supplement more traditional texts. Offered every semester.

Prerequisite: EC I.

AS2202 Contemporary U.S. Society **4 cr.**

An introduction to social, economic and political stratification in the United States. Sources and consequences of inequality are explored through an examination of educational, political, and occupational structures. Offered every year.

Prerequisite: EC I.

AS2252 U.S. Social Movements **4 cr.**

This course explores the causal conditions, nature, and impact of progressive social movements in America. Varying sets of activist biographies and social movement histories related either by period or theme will be selected for study. Possible topics include the abolition, temperance, feminist, peace, labor, civil rights, reproductive rights, and environmental movements. Offered occasionally.

Prerequisite: EC I.

AS2262 African American History I **4 cr.**

This course examines the experiences of African Americans in the development of America from the Trans-Atlantic slave trade through the Civil War. Topics include plantation slavery, politics, economics, cultural production, gender and intellectual pursuits. Emphasis on major movements and figures as well as ordinary individuals. Offered every year.

Prerequisite: EC I.

AS2263 African American History II **4 cr.**

This course examines the experiences of African Americans in the development of America from 1865 through the twentieth century. Topics include Reconstruction, segregation, migrations, war, cultural production, entrepreneurship and the push for civil rights. Emphasis on social and cultural history across class and gender lines. Offered every year.

Prerequisite: EC I.

AS2300 Problems in US Environmental History **4 cr.**

This course examines the history of Americans' interactions with the physical environment of the current United States from the European colonial period to the present. Through assigned readings, class discussions, short films, short writing assignments, and speakers, we will consider 500 years of human occupation of North America and its environmental consequences. We will examine how natural environments have established parameters for human economic and social activity, as well as how human beings have interpreted and then reshaped their environmental surroundings in an effort to satisfy their perceived needs. In addition, we will study how different groups of Americans have interacted in their quest to manage, control and distribute the resources of the land, and the impact of "race" and gender on perceptions of our place in and relationship to the non-human environment. Offered occasionally.

Prerequisite: EC I.

AS2640 U.S. Latina/o History **4 cr.**

This course will study the long history of Latina/os in the United States from the colonial era to the present, as well as explore important issues in Latina/o culture and politics. We will look in detail at the history of Mexican and Puerto Rican communities in the United States, and we will pay close attention to the impact of nationality, class, and gender in shaping Latina/o lives. This course will highlight the role of imperialism, racism, and nativism in structuring Latina/o opportunities in the United States, and will emphasize the social movements that Latinas/os have forged to resist such forces. Offered occasionally.

Prerequisite: EC I.

AS2652 Media Studies **4 cr.**

How can we comprehend and critique the media that immerse us? Let's examine the media in the context of the political and social economies within which they were developed. Drawing on a broad range of cultural theories, this course addresses the functioning of media in a diverse and globalizing environment. A range of media is studied through scholarship and primary texts: art, movies, advertisements, interviews, novels, short stories, and photographs. Offered every year.

Prerequisite: EC I.

AS2700 The Engaged Eye **4 cr.**

In this introductory course students are introduced to efforts by artists and reformers who use the camera for social change and social justice. The approach will be biographical and historical. Students will learn about the work of photographers such as Jacob Riis, Lewis Hine, and Dorothea Lange, along with more contemporary photographers, by placing their photographic projects within the context of the artist's life and times. Offered occasionally.

Prerequisite: EC I.

AS2750 Food

The production, consumption, and meanings of food are social, cultural and political. Only recently has food emerged as a subject of scholarly inquiry outside traditional domains of anthropology, nutrition, or agriculture. This course introduces students to prominent contemporary thinkers about food. Food is an interdisciplinary course drawing from history, environmental studies, documentary studies, sociology, anthropology, folklore, economics, critical race studies, and other fields. It will explore how food is understood, food and meal rituals, how food is produced, distributed, and consumed, with a focus on eating habits and the environment. The course will also introduce students to selected debates and initiatives around food: from diets such as vegetarianism, veganism, and locavorism; food and climate; the industrialization of food, the use of GMOs, food deserts, food insecurity, racial and gender injustice within the food justice movement, obesity and sizeism, and more.

Offered occasionally EC I.

AS2802 Introduction to Journalism and Media **4 cr.**

Explores the historical and contemporary role of journalism and media in society, while also introducing students to basic media production concepts. This course serves as an introductory survey for any student interested in media literacy for self-expression and civic participation and as a foundation course for media majors. Units in print, audio, moving image and emerging media focus on writing and reporting, creative presentation, ethics and professional best practices. May include visits to campus media facilities. Offered every semester.

Prerequisite: EC I.

AS3100 American Studies Seminar **4 cr.**

This course is designed for American Studies majors, or those contemplating an American Studies major. The course will build appreciation of American Studies as interdisciplinary study. In preparation for the 5000-level capping

courses, this course builds students' analytic, research and writing skills. The American Studies Seminar focuses on a particular issue or theme, which will be announced each semester. Offered once each year.

Prerequisite: EC II or permission of instructor.

AS3222 Urban History

4 cr.

This course investigates urban history in the United States with a focus on the 20th century and on the role of race and ethnicity in shaping urban America. Using an array of scholarly texts, media, and primary source documents, this course will trace the social, economic, and cultural history of U.S. cities and the growth of their suburbs. Topics will include: the formation of early-twentieth century immigrant/ethnic communities and the advent of neighborhood segregation; the Great Migrations of African Americans to the urban North; white flight, suburbanization, and urban economic decline after WW II; urban "crisis" and radical anti-racism in the 1960s and 70s; gentrification, mass incarceration, and the rise of "Global Cities" toward the end of the century. Offered occasionally.

Prerequisite: EC II.

***AS3247 Introduction to Video and TV**

4 cr.

Learn basic video skills and produce, shoot and edit short videos. Gain experience with digital video cameras, microphones, lighting equipment, and nonlinear editing while exploring how to use video as a communication tool and as a means of artistic expression. Learn to use moving images and sound for creative and effective communication. Work together in the College's television studio to learn the basic techniques of newscasting and the fundamentals of studio lighting. Offered yearly.

Prerequisites: AS2802, EC II

AS3270 Africa in the Americas

4 cr.

This course will explore the history of these scattered populations of Africa, their dispersal to the various regions of the world, especially the Western hemisphere, the circumstances and institutions which shaped the evolution of these diaspora communities, and the continuing physical and emotional ties to Africa and Africans. The dispersal of black people from their homes in the continent of Africa to the diverse geographical sites all around the world is one of the more momentous, historical and sociological events in the trajectory of world history. Offered every year.

AS3310 From Citizen to Consumer

4 cr.

American society has transformed since its founding from a commercial outpost on the edge of the Atlantic to a complex industrial democracy. This course examines that transformation in light of its impact on notions of democracy, the work ethic and good citizenship and the shift toward a post-industrial empire of mass consumption and leisure. Using historical documents of political theorists, advocates and critics of consumerism, as well as social movements for consumer rights, alongside contemporary materials such as advertising campaigns and policy debates, students will explore how this change has altered our very notions of identity, democracy and citizenship. Offered occasionally.

Prerequisite: EC II.

AS3412 African-American Women's History

4 cr.

This course focuses on the distinct experiences of African-American women in the 19th and 20th centuries. The course includes the experiences of women in slavery, social movements, abolition, anti-lynching, suffrage, civil rights, and Black Power as well as the writings and lives of the major figures. Offered occasionally.

Prerequisite: EC II.

AS3432 Women: Cultural Issues

4 cr.

An interdisciplinary course that looks at the lives of women across the world. Readings and materials focus on the variety of circumstances in which women live, the factors that directly influence their situation, the interaction between cultural constraints and existential possibilities, and women's efforts to change and improve their own and others' lives. In this course students also examine how women in multiple contexts utilize mass culture and develop new cultural forms to advance their interests. Offered occasionally.

Prerequisite: EC II.

AS3462 History of Women in the U.S.

4 cr.

This course surveys women's experience from 1620 to the present. The course analyzes women's connection to key aspects of American history such as the American Revolution, slavery and the 20th century development of the welfare state. This course posits women as agents of change in American history, but the course also examines how the study of women over time raises questions about traditional chronologies of American history. Students will be introduced to well-known and little known women and their individual and collective attempts to reshape American society through examination of diaries, autobiographies, fiction, government hearings and film. Offered occasionally.

Prerequisite: EC II.

AS3622 Sports and Society

4 cr.

Explore the prominent place of sports in the United States and other societies. What is the relationship of sports to larger questions of identity, politics, economics, and history? The course illuminates how class, race, gender, sexuality, and nation interplay in our understanding of sports and culture. Offered occasionally.

Prerequisite: EC II.

AS3632 History of U.S. Film 4 cr.
A history of film in the United States from the 1890's to the present. It examines the social, political, economic, and cultural changes of different eras in relation to the emergence and popularization of modern cinema. Students must see and comment on all the films shown in the course. Offered occasionally.

Prerequisite: EC II.

AS3712 American Film Genres 4 cr.
An in-depth examination of classic genres of films in the United States. Genres studied may include silent comedy, the Western, the melodrama, the gangster film, science fiction, horror, and musical comedy. The course investigates the connection between genre forms and the development of Hollywood mythology and U.S. ideology. Offered occasionally.

Prerequisite: EC II .

AS3722 History of Mass Media 4 cr.
Learn the history of the mass media. We will examine the parts played by government, private enterprise, social movements, and technology in the development of the major. In addition to the political economy of the media, the course will cover the conflicts over civil liberties, mass culture, advertising, and the rise of consumer culture in America. Offered every year.

Prerequisite: ECII.

AS3732 Politics of Media 4 cr.
Using a broad definition of politics –not only the world of elections or of governance, but of power relations in everyday life—this course examines how political structures affect the mass media, and how the mass media are a strong influence in politics. The ways in which the media promotes democracy and citizenship, but also constricts democracy, are central to the course. The branding of culture, corporate consolidation, and the images of women and minorities in the media are all examined, as are various forms of the media including film, the Internet, and television. Offered every year.

Prerequisite: EC II.

AS3735 Documentary Media Studies 4 cr.
What is reality? Can truth be captured and represented? Learn about documentary film, photography and new media projects from the birth of photography to today. Watch and critique seminal documentary projects. Explore documentary as political expression, entertainment, art, journalism, propaganda and self-portrait. Lectures, readings and discussions focus on forms and styles of non-fiction storytelling, the role of documentaries in society, and documentary ethics and practice. Offered occasionally.

Prerequisite: EC II

AS3742 Myths and Images in Film 4 cr.
This course examines the movies in terms of social myths and social values. It looks at representative films from the United States, Europe, Latin America and Africa. It explores film form as well as content and their relationship to each other. Offered occasionally.

Prerequisite: EC II .

AS3745 Feminine and Masculine in Film 4 cr.
This course examines the social, historical, and technological construction of film as a medium as well as the social and technological construction of gender. By looking at contemporary American films, students will reflect upon and critique the various representations of women and men, as well as those genders that refuse to conform. The intent of the class is to both expand an understanding of gender and to identify the ways in which film reinforces binary notions of gender and gender roles. Offered occasionally.

Prerequisite: EC II.

***AS3800 Writing for Media** 4 cr.
The course combines instruction in the craft of journalism and teaches students to write accurately and clearly and to meet deadlines. The basics of good reporting whether for print, broadcast, or internet journalism are stressed, including how to gather and verify information, where to look for stories, how to interview, how to use sources, and how to report in a fair and balanced manner. Students will write about and cover a variety of news events and issues. Offered every semester.

Prerequisites: AS2802 or permission of instructor; EMS.

AS3810 Music and Media 4 cr.
A history of American popular music: Follow changes in American musical culture from work songs and parlor pianos to auto-tune and streaming media. This course will cover the cultures, politics, and economics of music-making and profit-taking in the history of popular music, the music business, and the media in the U.S. Offered occasionally.

Prerequisite: ECII.

***AS3820 Radio Production and Editing** 4 cr.
Learn the basic techniques of radio production. Students will learn basic interviewing skills, studio production and mixing techniques, and how to manipulate digital audio recordings in post-production using industry editing

software. Learn the basics of the three phases of production, including how to plan, script, create and edit radio content at the college radio station, OWWR, Old Westbury Web Radio.
Offered every year.

Prerequisite: AS2802 or permission of instructor; EC II.

***AS3822 TV and Radio Journalism** **4 cr.**

This course explores the history, the present situation and possible future of electronic journalism in the United States. It is also a practical course in which students work toward proficiency in television and radio journalism. They learn about -- and do -- newswriting, newscasting and, utilizing the College's television studio, join together in producing television programs. They also work on field reporting or electronic news gathering. There is training in the use of audio equipment, cameras and a special effects generator or switcher. The basics of editing using the College's television editing laboratory are explored. Students write papers which critique and compare news programs on television. Offered occasionally.

Prerequisite: EC II.

AS3830 Public Relations and Society **4 cr.**

The course examines the role of public relations in the media, corporate culture, politics and society. This is an intermediate-level course that is designed for students who previously have not taken formal instruction in public relations. Students receive instruction in the basics of public relations and perform exercises intended to equip them with a working knowledge of the field. Offered every year.

Prerequisite: EC II.

AS3842 African-Americans and the Mass Media **4 cr.**

Examines the participation of African-Americans in the development of mass media in the U.S. by looking at newspapers, magazines, books, radio, records, movies, and television. The course will explore the viewpoints of African-Americans through the mass media, how they are presented and represented, and how the white-owned media influences African-American images. Offered occasionally.

Prerequisite: EC II.

AS3852 Women and the Media **4 cr.**

This course explores the ways women are depicted by the mass media and how that depiction has changed over time. It also investigates the role of women in the media professions. Offered every year.

Prerequisite: EC II.

***AS4150 Radio on the Air** **4 cr.**

Acquire advanced production techniques and radio programming skills. Learn advanced interviewing skills, production and mixing techniques, and advance your digital audio recording and editing skills. Gain proficiency with programming, and monitor issues and trends in the industry. Students will produce a live weekly news and entertainment magazine radio show on the college radio station, OWWR, Old Westbury Web Radio. Offered every year.

Prerequisites: AS3820 or permission of instructor; EMS.

AS4160 Special Topics in Media Studies **4 cr.**

Offers an in-depth exploration of a special topic in media studies, in an area defined by the instructor. Topics might include political campaigns and the media; the first amendment; public and private spheres in the digital age; "branding"; or a specific musical or film genre (such as a course in Rock and Roll, the Blues, or the Hollywood Musical). The course allows for a deeper theoretical, historical, institutional and/or political analysis of media and its power in American life. Students can take more than once as an Independent Study. Offered occasionally.

Prerequisite: EMS or permission of instructor.

AS 4170 Special Topics in American Studies **4 cr.**

This course addresses a special topic in the history, society and/or culture of the U.S. The specific topic will be announced by the Department when offered. The course may be repeated for credit up to two times if course topic changes. Offered occasionally.

Prerequisite: EMS or permission of instructor.

AS4202 Internship in Government and Community **4-12 cr.**

This internship is for students who would like experience working in politics, government, or community agencies. Students are placed to develop practical skills in public sector groups and agencies. Students compile a portfolio and 10-15 page essay on the experience. This is an excellent opportunity for students who think they might want to work in government or community affairs. Offered every semester.

Prerequisites: EMS and permission of instructor.

AS4212 Early America **4 cr.**

An examination of U. S. society from the Native American experience to European settlement through the Jacksonian era. Topics include: Puritanism, origins and development of slavery, American Revolution, growth of market relations, and the historical relationship between forms of economic development, social, intellectual, and religious life and politics. Offered occasionally.

Prerequisites: AS2112 or permission of instructor; EMS.

AS4215 Critical Ideas in American History**4 cr.**

This course examines the intellectual history of the U.S. from Puritanism to the present. Topics may include Religion, Democracy, Transcendentalism, Social Darwinism, Progressivism, Pragmatism, Conservatism, Socialism, Keynesianism and Feminism. Students will use historical documents and the works of major intellectual figures to explore the many facets of the American intellectual tradition. Offered occasionally.

Prerequisites: AS2112, AS2122 or permission of instructor; EMS.

AS4218 Civil War and Reconstruction**4 cr.**

This course provides an in-depth examination of the coming of the Civil War, Reconstruction and the formative impact of these events on the development of American society. Topics covered include: slavery; abolitionism; sectional conflict; the emergence of tenant farming and debt patronage; the rise of Jim Crow; constitutional guarantees and the limits of equality. Special attention will be given to issues of race, class and gender in considering the constitutional, political, economic, cultural and demographic changes that led to and followed from America's "Second Revolution." Films, novels, diaries, first person narratives and other primary sources will supplement historical works. Offered occasionally.

Prerequisites: AS2112, AS2122 or permission of instructor; EMS.

AS4222 The Emergence of Modern America**4 cr.**

An exploration of social, political, economic and cultural life from the Civil War through the 1920's. Topics include the growth of the modern industrial system, the emergence of the corporation, immigration, migration, the development of the labor movement, consumer culture, populism, the rise of Progressivism, women's suffrage and the Harlem Renaissance. We will also explore the backlash against reform in the red scare following World War I. Offered occasionally.

Prerequisites: AS2122 or permission of instructor; EMS.

AS4250 Immigration Today**4 cr.**

Since 1965 millions of new immigrants have landed on the shores and the airports of the United States. While often compared with earlier immigrants, they diverge from their predecessors in numerous and important ways. This course will explore several broad thematic and theoretical issues in the changing nature of U.S. immigration. The aim is to introduce the students to a number of "conversations" and scholarship pertaining to where our society is now, relative to dealing with the political, economic, social and other demographic challenges which emanate from this immigration. Video and documentary presentations will be used to supplement the lectures and reading materials. Offered occasionally.

Prerequisites: AS2122 or permission of instructor; EMS.

AS4252 Immigration History**4 cr.**

This course will examine the history of immigration to, and migration within, the United States from the colonial era to the present, including forced migrations, such as the African slave trade. We will consider the full range of the migration experience, including what compelled or inspired people to leave their homelands, the means of their migration, and how they settled in their new homes. In addition, we will look at the cultural transformations precipitated by immigration including the creation of ethnic identities, assimilation, and transculturation. Various forms of nativist sentiment and practice will be addressed, as well as migrant and ethnic resistance to nativism, racism, and exploitation. Offered occasionally.

Prerequisites: AS2112, AS2122, or permission of instructor.

AS4253 Latino New York**4 cr.**

This course will explore the history of Latina/o communities in New York City and its surrounding suburbs from the 1940s to the present day. We will take an interdisciplinary approach to study diverse Latina/o experiences of immigration, labor, discrimination, disinvestment, and gentrification, as well as the long history of Latina/o activism and cultural production in the city. There can be no doubt that Puerto Ricans, Dominicans, Salvadorans, and other Latina/os have profoundly influenced the culture, economics, and politics of Metro New York, and this course will trace that history.

Prerequisites: AS2122 or permission of instructor; EMS.

AS4260 New Media Newsroom*4 cr.**

Students will be immersed in an intensive, fast-paced environment that reflects real world experience in the media industry. Emphasis will be placed on writing, critical thinking, and creativity. The course will also explore the technical, philosophical, and practical elements of online journalism. By the end of this course students will have acquired a multitude of skills that will give them a competitive edge in the media field. Offered every year.

Prerequisites: AS2802; EMS.

AS4280 Global Media**4 cr.**

The American media compete in a global market. American media have become a dominant source of information and entertainment world wide. The course will examine the role of the American corporate media in a world of increasing global political, economic, and cultural competition, and collaboration. It will also examine the rise of new media alternatives in reaction to the dominance of the global corporate media. Offered occasionally.

Prerequisite: EMS.

AS4282 America in War and Peace: 1898 to 2001 **4 cr.**

How does the American experience of war across the 20th century help us to comprehend the events of 9/11 and War on Terror in the 21st century? How has war affected our lives, the economy, politics and culture? Why did the United States become a world power in our war with Spain at the beginning of the 20th century? How has war shaped our nation at home and abroad ever since? We will discuss the political, economic, and cultural impact of American involvement in the Spanish-American War, World War I, World War II, the Cold War, the Korean War, Vietnam War and the Gulf War. Offered occasionally.

Prerequisites: AS2112, AS2122, or permission of instructor; EMS.

AS4283 America Between the World Wars **4 cr.**

This course examines pivotal decades in twentieth century U.S. history from WW I through WW II. Selected topics include the Great Depression and the New Deal, the rise of America's administrative and welfare state; transitions in social reform traditions; women and youth cultures; the expansion of consumer culture; and the World Wars and their effects on American society, culture, and global position. Offered occasionally.

Prerequisites: AS2122 or permission of instructor; EMS.

AS4285 Vietnam and After **4 cr.**

The specter of the American war in Vietnam and Southeast Asia continues to haunt the United States. This course is a history of the war and its effects on American foreign policy, domestic politics and culture. It will begin with an examination of the struggle for Vietnamese independence from French colonialism and culminate in a discussion of the lessons of the war for America in the post Cold War era. Some of the topics to be discussed will include the Cold War and world politics; domestic politics and the economy; the role of the mass media; the anti-war movement; racial and class politics; and the effect of the war on those who served and those who resisted. Offered occasionally.

Prerequisites: AS2122 or permission of instructor; EMS.

AS4290 Youth in America: A History **4 cr.**

This course will examine the history of conflicting ideas about youth and childhood in our society. We examine the images and ideas of youth as portrayed in the media from the colonial era to the present. Special attention will be paid to the role of children in the politics of race, class, gender, family, education and mass media. Offered occasionally.

Prerequisites: AS2112, AS2122, or permission of instructor; EMS.

AS4292 America Since WW II: 1945-1989 **4 cr.**

An in depth examination of U.S. history and culture from WW II to the end of the Cold War with a special emphasis on the role of the media and mass culture. Beginning with a discussion of the effects of the World War on the politics, economics and culture of the United States this course will debate each of the major political and cultural conflicts that have marked the end of the Twentieth century. Selected topics may include: Cold War politics, culture and foreign policy; Civil Rights struggles; Women's liberation; The suburbs; Television and mass culture; Youth culture and rebellion; Ecology movement; Gay rights movement; The Reagan Revolution; The Culture Wars; and Religious conservative and "Right to Life" movements. Offered occasionally.

Prerequisites: AS2122, or permission of instructor; EMS.

AS4402 History of the Family in the U.S. **4 cr.**

Examines the changing structure of American families over the past 300 years: how they have differed according to class, race and ethnicity, and the forces that have continued to influence family life. Topics include: Puritan families; African-American families in slavery and freedom; immigrant and middle-class families at the turn of the 20th century, and the modern family. The course uses a variety of materials: films, historical articles and documents, and novels. Offered occasionally.

Prerequisites: AS2112, AS2122, or permission of instructor; EMS.

AS4420 History of New York City and State **4 cr.**

This course examines the social, cultural, economic, political and demographic development of New York City and State from colonial America to the present. Historical documents, fiction and films about New York will provide the material for a critical discussion about the multicultural heritage of the Empire State. Offered occasionally.

Prerequisites: AS2112, AS2122, or permission of instructor; EMS.

AS4432 History of the Women's Movement **4 cr.**

This course explores the Women's Movement across three distinct centuries. It examines both the first wave: 19th Century modern women's rights and suffrage movement, the second wave: the 20th Century modern women's liberation movement, along with the multiple forms of feminism that have followed. How did the movements arise, who were their constituents and enemies, how were their goals met? What strategy, ideology, and tactics were used? Readings will consist of historical and theoretical documents, poems, autobiographies, oral histories, film and pro-feminism and anti-feminism ephemera. Offered occasionally.

Prerequisites: AS2112, AS2122, or permission of instructor; EMS.

AS4435 Women of Color Feminisms**4 cr.**

This interdisciplinary course examines women of color feminism and its historical, intellectual, cultural, and political formation. We will consider theoretical contributions of women of color feminisms such as "intersectionality," "hybridity, expressed as borderlands," and "coalition through difference" as well as women of color feminism's critiques and strategies of resistance to oppressive forces. Exploring these theoretical contributions through writings, first-person narratives, fiction, film, spoken word, and music, this course explores issues of identity, representation, rights, policy and the significance of interesting categories of race, gender, class, ethnicity, sexuality, and nation in the lives of women of color historically and in contemporary society. While the course focuses on relationships across and within the United States, the nature of these identities, alliances, and texts often transcends the borders of the United States.

Prerequisites: AS1512; ECI, or permission of instructor.

AS4442 Feature Writing*4 cr.**

This is a practical course in the basics of writing feature articles for newspapers and magazines. Students learn how to research, write, and edit feature articles. They will study the different techniques used in a variety of feature articles - human interest, travel, seasonal, humor, sports, science, personality profiles, and personal experiences - and write such articles themselves. Offered every year.

Prerequisites: AS2802, AS3800, or permission of instructor.

AS4715 African-American Thought and Culture**4 cr.**

This course examines the ideas of social change that developed from slavery to the present among African American thinkers and activists. It begins by examining the assumptions and aspirations expressed in abolitionism, nationalism, folklore, suffrage and Pan-Africanism that developed in the antebellum period. It proceeds to analyze the related cultural, political and economic ideas that have emerged throughout the twentieth century. The course stresses the role played by culture and ideas in the process of social change. Offered occasionally.

Prerequisites: AS2122 or AS2262; EMS.

AS4722 Film: Ideas and Aesthetics**4 cr.**

The course treats film in relation to modern theories and aesthetic techniques and offers tools for developing an in-depth analysis of film form and content. Instructor may focus upon the ideas and aesthetics of particular chronological eras, auteurs, and film movements such as African American cinema or feminist filmmaking. The primary focus is to introduce the complexity of film analysis within the framework of close readings of specific films. Offered occasionally.

Prerequisite: EMS.

AS4725 The Photograph and American Culture**4 cr.**

The course treats film in relation to modern theories and aesthetic techniques and offers tools for developing an in-depth analysis of film form and content. Instructor may focus upon the ideas and aesthetics of particular chronological eras, auteurs, and film movements such as African American cinema or feminist filmmaking. The primary focus is to introduce the complexity of film analysis within the framework of close readings of specific films. Offered occasionally.

Prerequisite: EMS.

AS4732: Political Film**4 cr.**

From wars and elections, to civil rights and civil liberties, feature films and documentaries have influenced American public opinion and policies. Through in-class screenings and discussion, this course will examine the historical period in which selected motion pictures were produced and explore the immediate and long-term impact of the films. The screenings may include *Do the Right Thing*, *Fahrenheit 9/11*, and *Easy Rider*. Offered every year.

Prerequisites: AS2122 or permission of instructor; EMS.

AS4802 Investigative Reporting*4 cr.**

What is now called investigative Reporting is an especially American journalistic pursuit of exposing corruption and abuses by individuals and institutions, inequity and unfairness, and revealing danger. The theory of this journalistic form is that if people are informed of such problems, they will demand a resolution. The course focuses on the philosophy and history of the enterprise, from the crusading journalism of the early years of the press in what became the United States, through the Muckraking Era of the early 20th century, through Watergate, through the founding of Investigative Reporters and Editors, to the present investigative reporting scene in print, radio, television and on the Internet. Students will conduct research on the history of investigative reporting. They will learn techniques of investigation and proof and do their own investigative reporting in print or electronic forms of media. Offered every semester.

Prerequisite: EMS.

AS4812 Editing For Publication*4 cr.**

This is an advanced journalism course in which students receive intense preparation in reporting and writing for newspapers, magazines and the internet. Offered every year.

Prerequisites: AS2802; AS3800; EMS.

***AS4822 Advanced Reporting and Newswriting** **4 cr.**

This is an intensive course in producing well-crafted, polished news stories. It teaches students the various forms of news writing: hard news, foreign affairs, editorial, obituary and sports writing. Form, content and speed in preparation are stressed.

Prerequisites: AS2802; AS3800; EMS.

***AS4825 Making a Newspaper/Magazine** **4 cr.**

This course will cover the editorial and production elements of publishing. A hands-on course, students will produce a newspaper and magazine in print or online. They will also learn to write in various editorial genres and evaluate print publications and web sites. Offered occasionally.

Prerequisites: AS2802, AS3800; EMS.

***AS4832 Internship in Journalism and Media** **4-12 cr.**

This internship gives students the opportunity to work at a newspaper, magazine, radio or television station or Internet source to learn practical journalism in a real-life environment. Students meet with the instructor to discuss their progress, compile a portfolio of work done on the internship, and write an essay on their experience. The internship is an excellent opportunity for students who are interested in a career in the media to gain experience and develop contacts. Offered every semester.

Prerequisites: AS4802 or permission of instructor ; EMS.

AS4850 Digital Revolution **4 cr.**

We are in the midst of a profound technological and historical change: the Digital Revolution. Digital networks of communication permeate nearly every aspect of our life, yet we understand very little about them, their historical development, conflicts over their use, and their impact on our way of life. This course will look at the cultural, technological, economic, and political impact of the digital revolution. Offered every year.

Prerequisite: EMS.

***AS4852 Advanced Video: Documentary** **4 cr.**

Produce, shoot and edit original documentary videos. Explore the fundamental techniques of and approaches to non-fiction video production. Through readings, class descriptions, screenings of existing documentaries and student work-in progress, students develop their own voices as media makers, moving beyond traditional structures and notions of "objectivity" to explore documentary as artistic social expression. Offered every year

Prerequisites: AS2802 and AS3247, or permission of instructor; EMS.

***AS4870 TV: Advanced TV: Studio Production** **4 cr.**

This course advances students' understanding and execution of television production. Students learn the three stages of production: how to script, plan, and produce a segment; how to set up and shoot; and how to package it during the editing process. Offered every year.

Prerequisites: AS2802; AS3255 or AS3247 or permission of instructor; EMS.

***AS4882 Radio Reporting** **4 cr.**

Learn the ethics and practices of radio journalism. This course emphasizes news content and develops radio reporting skills in the field and on-air. We will review the business of news and news gathering, working with acquiring sound bites, actualities and natural sound, seasonal and specialized coverage, programming and management decisions, criteria and types of stories, and the roles of social media and the internet. Students will be using digital field reporting technologies to produce, and broadcast a live weekly news radio show on the college radio station, OWWR, Old Westbury Web Radio. Offered occasionally.

Prerequisites: AS2802, AS3800, or instructor permission.

***AS4935 TV in Action** **4 cr.**

In this advanced course, students will build on previous experience to develop high-quality projects. Students will take prior production knowledge and demonstrate their skills at the College television station, OWTV, in the areas of News, Sports, Talk, Public Affairs, or Entertainment programming as defined by the instructor. Students will distribute works on-air on closed circuit cable channel 3, and on-line. Offered occasionally.

Prerequisites: AS3255 or AS4870, or instructor permission.

***AS4940 Journalism in Action** **4 cr.**

In this advanced course, students with prior production experience will create professional quality projects. Students will learn industry workflow and best practices to prepare them for professional opportunities. Special projects will be defined by the instructor. Offered occasionally.

Prerequisites: AS3800; One of these: AS4442; AS4822; AS4882; or instructor permission.

***AS4945 Radio in Action** **4 cr.**

In this advanced course, students will build on previous experience to develop high-quality projects. Students will take prior production knowledge and demonstrate their skills at the College radio station, OWWR, Old Westbury Web Radio, in the areas of News, Sports, Talk, Public Affairs, or Entertainment programming as defined by the instructor. Students will distribute works on-air, and on-line. Offered occasionally.

Prerequisites: AS3820, AS4150, or instructor permission.

AS4955 New Media in Action*4 cr.**

In this advanced course, students with prior production experience will create professional quality projects. Students will learn industry workflow and best practices to prepare them for professional opportunities. Special projects will be defined by the instructor. Offered occasionally.

Prerequisite: AS2020 or AS4260; or instructor permission.

AS4965 Video in Action*4 cr.**

In this advanced course, students with prior production experience will create professional quality projects. Students will learn industry workflow and best practices to prepare them for professional opportunities. Special projects will be defined by the instructor. Offered occasionally.

Prerequisite: AS3247 or AS4852; or instructor permission.

AS5000 Topics in U.S. History in Global Perspective**4 cr.**

This course will take an international perspective on the history of the United States. Thematic, geographic, and chronological focus will vary by instructor, but all courses will situate American history in the context of a global (or regional) historical development, compare an aspect of U.S. history with that of another country (or region), or explore the U.S.'s relationship with another country (or region). Potential topics might include: U.S. imperialism in Puerto Rico and the Philippines; a comparative history of slavery and abolition in the Americas; the history of the U.S. in the Middle East; the American, Haitian, and French revolutions; the colonial Atlantic World; women's rights movements in the U.S. and Europe; or the global Cold War. Offered every year.

Two of the following courses:

Prerequisites: AS2112, AS2122, AS2262, AS2252, AS2263, AS2300, AS2640, AS3222, AS3270, AS3462 or permission of instructor;

EMS.

AS5112 American Voices**4 cr.**

This course will focus on 20th century American voices as they have developed in diverse media—novels, film, music, TV and computers. Individual speakers will be used to represent influential groups or trends that emerged and the themes and issues associated with them. Offered occasionally.

Two of the following courses:

Prerequisites: AS2112, AS2122, AS2262, AS2252, AS2263, AS2300, AS2640, AS3222, AS3270, AS3462 or permission of instructor;

EMS.

AS5200 Environmental Journalism**4 cr.**

Historically rooted in the writings of early American naturalists like John Muir and Progressive muckrakers like Upton Sinclair, modern environmental journalism began with the publication in 1962 of Rachel Carson's *Silent Spring*. As environmental concerns have multiplied in recent years, the field has greatly expanded. This course examines both the history and current status of this journalistic specialty. Students will learn and practice techniques of environmental journalism. Offered occasionally.

Two of the following courses:

Prerequisites: AS2112, AS2122, AS2252, AS2262, AS2263, AS2300, AS2640, AS3222, AS3270, AS3462 or permission of instructor;

EMS.

AS5212 Narrative and History**4 cr.**

This senior seminar looks at "point of view" in historical writing, the multiple "ways of seeing" history, and the various approaches that scholars and writers have employed in order to think and write about the past. The readings that have been selected exemplify the advantages and limitations of the political, economic, social and cultural perspectives and the interpretive possibilities of narrative, biography and fiction. Offered occasionally.

Two of the following courses:

Prerequisites: AS2112, AS2122, AS2252, AS2262, AS2263, AS2300, AS2640, AS3222, AS3270, AS3462 or permission of instructor;

EMS.

AS5312 History of US Culture**4 cr.**

This senior seminar examines the evolution of U.S. culture from a multicultural perspective. Special attention will be paid to the role that culture plays in social control and social change. Offered every year.

Two of the following courses:

Prerequisites: AS2112, AS2122, AS2252, AS2262, AS2263, AS2300, AS2640, AS3222, AS3270, AS3462 or permission of instructor;

EMS.

AS5350 History of the Slave Narrative**4 cr.**

This senior seminar examines the historical forces of how authors of slave narratives sought to shape public opinion about emancipation, equality and culture. The ways in which this literary genre changed across time and location will receive critical attention. Offered every year.

Two of the following courses:

Prerequisites: AS2112, AS2122, AS2252, AS2262, AS2263, AS2300, AS2640, AS3222, AS3270, AS3462 or permission of instructor;

EMS.

AS5412 Protest and Change**4 cr.**

This senior seminar provides an in-depth exploration of several movements for social change in U.S. history. Topics can include: the American Revolution, movements for women's rights, populism, abolitionism, peace movements, and movements for the rights of African-Americans. Offered every year.

Prerequisites: AS2112, AS2122, AS2252, AS2262, AS2263, AS2300, AS2640, AS3222, AS3270, AS3462 or permission of instructor; EMS.

Two of the following courses:

AS5420 Propaganda and Mass Persuasion**4 cr.**

Can American democracy survive in a society dominated by powerful media and sophisticated mass persuasion? This senior seminar is a history of war and political propaganda with a focus on the role of propaganda in the conflicts between social movements and powerful institutions. The rise of public relations and its role in politics and the mass media will be an important theme. Offered every year.

Prerequisites: AS2112, AS2122, AS2252, AS2262, AS2263, AS2300, AS2640, AS3222, AS3270, AS3462 or permission of instructor; EMS.

Two of the following courses:

AS5712 Mass Media and Popular Culture**4 cr.**

This senior seminar focuses on the relation between mass media and different forms of popular culture and explores different theoretical approaches to the understanding of media in modern society. The course examines how popular media communicate ideas about the world, about identity, and our sense of self. Reading across television, film, music, art, and the popular press, the course considers relationships between the mass media, institutions, identity, relations of power, and historical, economic, social, and political contexts. Offered every year.

Prerequisites: AS2112, AS2122, AS2252, AS2262, AS2263, AS2300, AS2640, AS3222, AS3270, AS3462 or permission of instructor; EMS.

Two of the following courses:

AS5725 Senior Media Portfolio*4 cr.**

In this capstone production course, students create an online media portfolio in their chosen medium. Throughout the term, work samples are developed and improved through individualized study and regular critique. Students also develop a polished writing sample such as a film script or feature article. Typically offered as a blended course with a mix of online and face-to-face instruction. Offered every semester.

Prerequisites: AS2112, AS2122, AS2252, AS2262, AS2263, AS2300, AS2640, AS3222, AS3270, AS3462 or permission of instructor; EMS.

Two of the following courses:

AS5800 Research in American History and Culture**4 cr.**

In this course, students will learn how to do historical research including use of primary documents, archival research, quantitative methods and oral history. Using these techniques, students will then write a research paper. Offered occasionally.

Prerequisites: AS2112, AS2122, AS2252, AS2262, AS2263, AS2300, AS2640, AS3222, AS3270, AS3462 or permission of instructor; EMS.

Two of the following courses:

AS5862 The Journalist as Creative Writer**4 cr.**

Many American journalists have written fiction and creative nonfiction. This course examines both types of writing and studies, for example, the works of Mark Twain, Ernest Hemingway, Joan Didion, Alex Haley, and Hunter Thompson. It explores "personal journalism" and the "new journalism" of the sixties and seventies. Students will practice literary journalism themselves by writing several fiction and non-fiction pieces. Offered every year.

Prerequisites: AS2112, AS2122, AS2252, AS2262, AS2263, AS2300, AS2640, AS3222, AS3270, AS3462 or permission of instructor; EMS.

Two of the following courses:

AS9000 Senior Media Fellows**4 cr.**

Students work independently on a media production project and provide peer support—such as tutoring, workshops, and the creation of production manuals—to other production students. Fellows work closely with a faculty mentor throughout the semester. Offered occasionally.

Prerequisites: AS2112, AS2122, AS2252, AS2262, AS2263, AS2300, AS2640, AS3222, AS3270, AS3462 or permission of instructor; EMS.

Two of the following courses:

AS9990 Independent Study**4 cr.**

Students may elect to work on an independent project in American Studies, Media Studies or Media Production. They will work closely with a faculty member to design a contract that outlines the reading, writing and production requirements for this project, as well as a timetable for completion. Variable credit.

Prerequisites: AS2112, AS2122, AS2252, AS2262, AS2263, AS2300, AS2640, AS3222, AS3270, AS3462 or permission of instructor; EMS.

Two of the following courses:

PORTFOLIO RECOMMENDED:

All Media and Communications majors should assemble a portfolio for recognition of college work and for employment. The portfolio should contain samples of work done in courses and the Internship in Journalism. The portfolio should contain examples of written work, both published and submitted as class assignments, and selected graphics, radio programs and videos.

** No practical journalism course (noted in the catalog by asterisk*) can be counted toward the American Studies major, but they may be used as free electives.*

BIOLOGICAL SCIENCES COURSES

All course offerings are contingent on budgetary allocations, faculty resources, and enrollment figures and, unless otherwise indicated, are offered in accordance with student needs.

BS1000 Plants and Society **4 cr.**

A one semester lecture/laboratory course in general botany for non-science majors. The course covers the principles of plant anatomy and physiology, as well as the impact of plants and agriculture on society. Topics covered include the use and history of plants as food, medicines, and poisons.

BS2100 Biology for Non-science Majors **4 cr.**

A one-semester lecture/laboratory course in general biology for non-science majors. Surveys the major concepts and principles of biology, including cell structure and function, genetics, ecology, diversity and evolution. Topics related to the human experience are also discussed. Offered every semester.

Prerequisite: EC II.

BS2300 Anatomy and Physiology I Lecture **3 cr.**

This is the first semester of a two-semester sequence in which human anatomy and physiology are studied using a body systems approach, with emphasis on the interrelationships between form and function at the gross and microscopic levels of organization. This course is a pre-requirement for students pursuing a career in the Allied-Health Sciences, e.g. nursing and physician assistant. Topics include: basic anatomical and directional terminology, fundamental concepts and principles of cell biology, histology, and the integumentary, skeletal, muscular, and nervous systems.

Prerequisites: ECII and MA1020; Corequisite: BS2301.

BS2301 Anatomy and Physiology I Laboratory **1 cr.**

This course is the laboratory component for BS2300. This course is a pre-requisite for students pursuing a career in the Allied-Health Sciences, e.g. nursing and physician assistant. It covers the study of anatomical and directional terminology, fundamental concepts and principles of cell biology, histology, and the integumentary, skeletal, muscular, and nervous systems using experimental approaches, modeling and the use preserved mammalian organisms.

Prerequisites: ECII and MA1020; Corequisite: BS2300 or pre-req of BS2300 with a "C" or better.

BS2310 Anatomy and Physiology II Lecture **3 cr.**

This is the second semester of a two-semester sequence in which human anatomy and physiology are studied using a body systems approach, with emphasis on the inter-relationships between form and function at the gross and microscopic levels of organization. This course is a pre-requisite for students pursuing a career in the Allied-Health Sciences, e.g. nursing and physician assistant. Topics include: the endocrine system, the cardiovascular system, the lymphatic system and immunity, the respiratory system, the digestive system, metabolism, the urinary system, fluid/electrolyte and acid/base balance; and the reproductive systems.

Prerequisite: BS2300 with grade a "C" or better; Corequisite: BS2311.

BS2311 Anatomy and Physiology II Laboratory **1 cr.**

This course is the laboratory component for BS2310 Anatomy and Physiology II and is a pre-requisite for students pursuing a career in the Allied-Health Sciences, e.g. nursing and physician assistant. Topics include: the endocrine system, the cardiovascular system, the lymphatic system and immunity, the respiratory system, the digestive system, metabolism, the urinary system, fluid/electrolyte and acid/base balance; and the reproductive systems. These topics will be covered using an experimental approach complemented with modeling, and the use of preserved mammalian organisms as well as models.

Prerequisites: BS2300 and BS2301 with grades of "C" or better; Corequisite: BS2310.

BS2400-BS2401 Basic Biology I **4 cr.**

Lecture/Laboratory first semester of freshman biology courses covering content areas including molecular and cellular biology, genetics, genomics and evolution. These courses are offered every semester.

Prerequisites: ECII; MA1020; students must register for lecture, BS2400 and lab, BS2401 if taken for the first time.

BS2410-BS2411 Basic Biology II **4 cr.**

Lecture/Laboratory second semester of freshman biology courses covering content areas including cell metabolism, comparative animal and plant anatomy and physiology and ecology. These courses are offered every semester.

Prerequisites: BS2400/BS2401 with grades of "C" or better; students must register for lecture, BS2410 and lab, BS2411 if taken for the first time.

BS2490 Environmental Science **4 cr.**

The focus of this lecture course is on the interactions of humans with their environment. Human impact on the world's ecosystems is emphasized. The theme stressed throughout this course is that every system involving life is dependent upon maintaining balances between nutrient gains and losses, between energy inflows and outflows, and between births and deaths within populations. Against this background, various aspects of the human system, such as our use of soils, our disposal of wastes, our use of resources, land, and energy and our population, are shown to be out of balance. The consequences of these imbalances are discussed in relation to our political and economic system.

Prerequisite: EMS.

BS3300 Biotechnology Workshop **4 cr.**

Designed to develop laboratory skills in the basic techniques used to study molecular genetics. Both prokaryotic and eukaryotic organisms are used as models for the experiments. Some of the techniques introduced in the course include DNA isolation, agarose gel electrophoresis, restriction enzymes, gene transfer, gene cloning, southern blot, PCR, RT-PCR, and gene sequencing. In the latter part of the course, students will be introduced to the Human Genome Project and to some of the techniques used in DNA sequencing and analysis. Offered once a year.

Prerequisite: EMS.

BS3400 Vertebrate Physiology **4 cr.**

A regulatory systems approach to the principles of animal physiology, developed through consideration of functioning of cells, tissues, and organ systems with an emphasis on humans. (With 3-hour laboratory) Offered every other semester.

Prerequisites: BS2400-BS2410 with grades of "C" or better; CP2100-CP2110 with grades of "C" or better; EC II.

BS3450 Plant Biology **4 cr.**

The study of plants as biological organisms. Topics include classification and evolution of the plant kingdom; plant anatomy, physiology and reproduction, with emphasis on the flowering plants. Consideration given to experimental methods used in studying plants and the importance of plants and plant studies. Students are expected to complete an experimental project or observational study. Lecture, discussion, laboratory and field trips, or audio tutorial integration of these are presented. Offered on demand.

Prerequisites: BS2400-BS2410 with grades of "C" or better; or permission of Instructor; EC II.

BS3500 Invertebrate Zoology **4 cr.**

This lecture/laboratory course introduces the student to the diversity of form and function among the invertebrates using a phylogenetic approach. It emphasizes their importance in ecology, diseases, food sources and as biomedical models. Laboratory sessions include dissection of representative animals and encourage individual research projects.

Prerequisites: BS2400-BS2410 completed with grades of "C" or better.

BS3510 Parasitology **4 cr.**

Lecture/laboratory course. Major parasites of medical and economic interest are examined, including the causal agents of malaria, trypanosomiasis schistosomiasis, and filariasis. The ecology, anatomy, pathology, and public health importance of these parasites are emphasized. Laboratories include both live and prepared material.

Prerequisites: BS2400-BS2410 with grades of "C" or better; EC II.

BS3520 Comparative Anatomy **4 cr.**

Lecture/laboratory course designed for biology majors and premedical students. Emphasis is on the basic anatomical patterns of vertebrate structure. Morphogenesis and structure function relationships are discussed in terms of adaptive significance. Laboratory includes dissections of aquatic and terrestrial vertebrates. Offered every other semester.

Prerequisites: BS2400-BS2410 with grades of "C" or better; EC II.

BS3530/BS3531 Comparative Genomics Lecture/Lab

Comparison of whole genome and transcriptome sequences provides a detailed view of how organisms are related to each other. Comparing genome sequences of different organism provides a powerful tool for understanding the molecular differences distinguishing different species from each other. The information that can be gained is largely dependent upon their phylogenetic distance. One of the benefits of this comparison, between far related organisms, is identification of functional and non-functional DNA and some regulatory sites. In contrast, this analysis

on closely related organism could shed light on sequence differences that may account for subtle differences in biological form and function. These sequence changes most likely are under directional selection, a process whereby natural selection favors a single phenotype and continuously shifts the allele frequency in one direction. This interdisciplinary course comprises of lecture, and computer lab sections.

Pre-requisites: BS2400/BS2401 and BS2410/BS2411 with grade of "C" or better.

BS3710 Environmental Physiology

4 cr.

Examines profound ubiquitous influences of the external environment on the body, the physiological responses to environmental challenges, and ways in which these responses contribute to either health or disease. Includes nutritional influences on health; physiological response to environmental chemicals; adaptations to altitude, pressure, temperature, humidity, radiation; physiology of psychosocial stress; and physiology of exercise. Offered on demand.

Prerequisites: BS2400-2410 with grades of "C" or better.

BS3810 Biological Aspects of Aging

4 cr.

Lecture/workshop course designed for science students. Examines the aging process on the molecular, cellular, and organismic levels. Emphasizes alterations during the aging process in cells whose life span is identical to that of the entire organism. Examination of various pathological disorders in relationship to aging is also emphasized. Students are required to read original articles and be prepared to discuss current topics in workshop settings. Offered every other year.

Prerequisites: BS2400-BS2410 with grades of "C" or better; EC II ; BS3400 is recommended.

BS3910 Introduction to Bioinformatics

4 cr.

This course functions as an introduction to the rapidly developing field of bioinformatics and its literature. Initial lectures provide a foundation in the fundamental concepts of bioinformatics, including simple command-line scripting and the use of online browsers to extract information. We will discuss how to sequence, analyze, and compare genomes in addition we will cover topics in macromolecular structure (search, alignment, prediction etc.) and introductory proteomics. Weeks will generally consist of one 3 hour topic-based lecture and one 3 hour in-class laboratory period involving activities emphasizing key concepts and techniques. The goals of this course are two-fold: first, to introduce students to the breadth and scope of bioinformatics; second, to enhance the analytical skills of students through hands-on exercises working with data.

Pre-requisites: BS2400/BS2401 and BS2410/BS2411 with a grade of "C" or better

BS4400 Cell Biology

4 cr.

Lecture/discussion/laboratory course whose content is directed to the study of the molecular basis of cell activities, cell ultra structure, and its integration with cellular function. Lectures survey the cell in its environment, energy transformation, mobility, replication of genetic material, growth, nucleocytoplasmic interactions. The laboratory explores techniques used in the study of the cell. Offered every other semester.

Prerequisites: BS2400-BS2410 with grades of "C" or better; EC II.

BS4410 Histology

4 cr.

A laboratory-oriented course dealing with the microscopic and ultramicroscopic anatomy of mammalian tissues and organs with emphasis on relating structure to function. Offered on demand.

Prerequisite: BS2400-2410 with grade of "C" or better.

BS4420 Microbiology

4 cr.

Concerned with structure-function relationships in various types of microorganisms, with particular emphasis on bacteria. Nutrition, biosynthesis, energetics, growth, microbial interactions and symbiotic relationships, host-parasite relationships, and microbial genetics are among the topics discussed. Lecture and laboratory. Offered every other semester.

Prerequisites: BS4400 or BS4460 with a grade of "C" or better; EC II.

BS4430 Developmental Biology

4 cr.

A lecture/laboratory course covering fundamental principles of developmental biology. Topics included: gametogenesis, fertilization, cleavage, gastrulation, growth and differentiation. This course attempts to integrate the descriptive, experimental and genetic approaches to the study of developmental biology. Offered every other semester.

Prerequisites: BS2400-BS2410 with grades of "C" or better; EC II.

Recommended: completion of BS3520.

BS4440 Evolution

4 cr.

Lecture/discussion course presenting the history of life on earth from its inception to the emergence and early history of Homo sapiens. Through readings, lectures, demonstrations, laboratories, discussions, and museum trips, students examine modern evolutionary theory and concepts, including abiogenesis, adaptation, population genetics, race, speciation, and progressive evolution. Offered every other semester.

Prerequisites: BS2400-BS2410 with grades of "C" or better; EC II .

Recommended: completion of BS4460.

BS4460 Genetics**4 cr.**

Lecture/laboratory course presenting the fundamental principles of genetics, the molecular biology of the gene, and heredity in humans. Through lectures, readings, laboratories, and discussions, students examine the experimental evidence leading to currently accepted concepts, and critically analyze the implications of various findings in human genetics. Offered every other semester.

Prerequisites: BS2400-BS2410 with grades of "C" or better; EC II.

BS4461 Immunology**4 cr.**

Lecture/laboratory course dealing with cellular and humoral aspects of mammalian immune system. Course is divided between study of basic principles governing the immune response, and analysis of molecular immunology. Laboratory component explores modern and technological assays of immunology. Offered every other year.

Prerequisites: BS4400 or BS4460 with a grade of "C" or better; CP2120-CP2130 with grades of "C" or better; EC II.

BS4470 Ecology**4 cr.**

The study of populations and communities of organisms and the interactions of organisms within their environment. Topics include ecosystem analysis, energy flow, nutrient cycles and limiting factors, community structure, biomes, associations, succession, adaptation, and niche analysis, population growth and structure, competition and predator-prey relations. Consideration given to experimental investigations, including computer modeling. Students are expected to complete a field or laboratory project, or a library report. Field trips and lab exercises comprise important components of this course. Offered every other semester.

Prerequisites: BS2400-BS2410 with grades of "C" or better; EC II.

BS4471 Freshwater Ecology (Limnology)**4 cr.**

A lecture/discussion and laboratory course dealing with the structure and function of freshwater systems such as lakes, ponds, rivers, and streams. Topics include the study of the physical and chemical properties of freshwater habitats, their biotic composition, and their productivity. Problems related to water pollution are discussed. Field trips and lab exercises comprise important components to this course. Students are expected to conduct an independent research project. Offered on demand.

Prerequisites: BS2400-BS2410 with grades of "C" or better; CP2120.

BS4474 Microbial Ecology**4 cr.**

This course is designed to introduce students to the study of microbial ecosystems, its structure and function, using an inquiry-based approach that models the scientific research process. The topic content of the course is microbial ecology. Students will explore the microbial diversity in soils autochthonous to the college's deciduous forest. In the lecture component, students will be introduced to the theoretical content of ecology in the context of the laboratory experimentation. The aim is to model the inquiry-based learning process fundamental to the scientific endeavor. As part of their investigation, students will learn about ecosystem structure, i.e. biotic and abiotic components, and function, i.e. symbiotic interactions and food webs. As part of the biotic component of the ecosystem, students will focus on the study of the microbial community, i.e. bacteriophages, bacteria, fungi and micro-invertebrates. Students will use both traditional techniques, i.e. microscopy, isolation using generalized and selective media, and molecular techniques: DNA isolation from environmental samples and PCR amplification using specific primers, i.e. 16S rDNA. This course is recommended to students who plan to pursue a career in basic science or biomedical research.

Prerequisites: BS2400-2410 with grades of "B" or better and CP2120, CP2121, CP2130 and CP2131 with grades of "C" or better.

BS4480 Animal Behavior**4 cr.**

A lecture/laboratory course introducing the field of animal behavior. Lectures, discussions and films explore topics including the cultural basis of behavior, the organization and physiology of the nervous system and its role in controlling behavior, the endocrine basis of behavior, genetic basis of behavior and sociobiology.

Prerequisites: BS2400-BS2410 with grades of "C" or better; EC II.

BS4491 Human Ecology**4 cr.**

Students will examine the adaptation of human populations to their environment. Topics include: biological and cultural evolution, human diversity, impact of limiting resources, the ecology of disease, and urban ecology and planning. This course is offered once a year.

Prerequisites: BS2400/BS2401 and BS2410/BS2411 with grades of "C" or better.

BS4500 Cell and Molecular Neurobiology**4 cr.**

Lecture course designed to familiarize students with intracellular communication mechanisms and how they are used to promote intercellular interactions. Includes concepts as they relate to neurobiology; ephatic and synaptic transmission; neurophysiology/neuropharmacology; selected topics relating to mental health, narcotic addiction etc. Offered every other year.

Prerequisites: BS2400-BS2410 with grades of "C" or better; CP2120; EC II.

Recommended: completion of BS4400.

BS4550 Cancer Cell Biology **4 cr.**

The study of cancer disease requires knowledge of several essential biological processes that govern the basic functions of the living system. This course will explore the cellular and molecular mechanisms underlying cancer development with the aim of understanding how changes in the normal cell growth and division processes lead to the formation of tumors. Case studies will be used to explore the roles of specific mutations in cancer development and the pathways they affect, as well as the classes of genes targeted during cancer development. This upper level course builds on concepts introduced in courses in Cell Biology and Genetics and will emphasize experimental methods and design as well as critical data analysis. Students will discuss papers from the primary literature each week individually or in groups.

Pre-requisites: BS2400/BS2401 and BS2410/BS2411 with grade of "C" or better.

BS4560 Molecular Biology **4 cr.**

Lecture/Laboratory course to introduce students to both the theoretical and practical aspects of molecular biology. An understanding of molecular biology necessitates a synthesis of information from genetics, biochemistry, cell biology, physics and chemistry. The course will include microbial studies, cellular components, genes, regulation etc. The lab component will utilize techniques of genetic engineering. Offered every other year.

Prerequisites: BS4400 or 4460 with grades of "C" or better; CP2120-2130 with grades of "C" or better.

BS4651 Toxicology **4 cr.**

Neurological approach to environmental toxins. Overview of neuroanatomy, physiology, basic pharmacology, and synaptic phenomena. Environmental neurotoxins covered include: acrylamide, cadmium, oxides of nitrogen, carbon monoxide, lead, mercury, organophosphates and organochloride pesticides, hexachlorophene, aluminum, carbon disulfide, isoniazid, and selexyed drugs and biological toxins. Experimental design for toxicity studies and epidemiological considerations are also discussed and various animal models presented. Offered on demand.

Prerequisites: BS2400-BS2410 with grades of "C" or better; CP2120-CP2130 with grades of "C" or better.

BS4680 Environmental Health **4 cr.**

This course takes an integrated approach to the development of a basic understanding of the impact of the environment on health. It examines chronic and infectious diseases in relation to modern life styles. A new section examines the AIDS epidemic in relation to the environment. Other topics that are covered include: air pollution in the general industrial environment; water pollution; the effects of pesticides and food additives; synthetic organic chemicals such as PCB's and dioxins as environmental estrogens; health effects of radiation and safety of nuclear energy. Satisfies elective requirement for B.A. in Biology. Offered on demand.

Prerequisites: EC II .

BS5410 Seminar I in Biology: Reading in the Discipline **2 cr.**

Designed to increase ability to read in the discipline. Students will survey scientific literature, learn how to research topics, prepare abstracts, etc. Students will select a mentor and topic for Seminar II. Must be taken by students two semesters prior to graduation. Offered every Fall and Spring.

Prerequisite: 85-90 credits and permission of instructor.

BS5420 Seminar II in Biology: Writing in the Discipline **2 cr.**

Designed to promote an in-depth consideration of special topics in current biological research. The course will include presentations by both external speakers and students. The student will, under the advisement of a faculty mentor, develop a topic either as a library or laboratory study and present the results both orally and as a written paper. Offered every Fall and Spring.

Prerequisite: BS5410.

BS5590 Advanced Research **4 cr.**

Research project carried out under the supervision of a faculty member. Each project includes a survey of the appropriate original literature and investigation of a selected research topic by experimental or theoretical methods. Open to students of upper-division standing, preferably seniors, on acceptance as a research student by a faculty member. Students may take this course twice for credit but may receive only 4 credits from this course toward the major. Grading will be CR/NC. Offered every semester.

Prerequisites: BS2400-BS2410 with grades of "C" or better; permission of instructor.

BS5591 Environmental Research **4 cr.**

Research project in environmental science carried out under supervision of a faculty member. Open to upper-division students, preferably seniors on acceptance as a research student by a faculty member. Offered every semester.

Prerequisites: BS2400-BS2410 with grades of "C" or better; 3 upper-division Biology courses; permission of instructor.

BS9990 Independent Study **4 cr.**

Independent study is to be carried out under the supervision of a faculty member. It permits students to investigate areas that are not part of existing offerings. Open to students of upper-division standing only on acceptance by a faculty member, and approval by department chair.

Prerequisites: BS2400-BS2410 with grades of "C" or better; permission of instructor.

SCHOOL OF BUSINESS COURSES

The courses listed below are on variable schedules and are not necessarily offered each semester or each year. All course offerings are contingent upon budgetary allocations, faculty resources, and enrollment figures and, unless otherwise indicated, are offered in accordance with student demand. **EMS is a prerequisite for all School of Business courses.**

BU3010 Information Systems for Managers **4 cr.**

Introduction to the concept of information systems as strategic assets of the enterprise utilized to achieve strategic advantage. Investigation is also made of the use of information systems at the tactical and support business levels. Technology is always discussed in terms of its interaction with human systems (socio-technical systems). The goals are to facilitate management decision processes and to exploit information technology for strategic advantage. Offered every semester.

Prerequisite: EMS.

BU3502 Principles of Accounting I **3 cr.**

Introduction to financial accounting with focus on how financial statements are structured and used by proprietorships and corporations. Topics: double entry, accrual accounting, service vs. merchandise companies, cash, accounts receivable and payable, inventories, fixed assets and depreciation methods, and net earnings. Develops foundation for subsequent courses in accounting, finance, MIS, and management. Offered every semester.

Prerequisite: MA1020.

BU3511 Principles of Accounting II **3 cr.**

Emphasis shifts from accounting theory (Principles I) to giving students experience in preparation of financial statements. Journals, ledgers, worksheets, closings, and a corporation practice set are used. New topics include payrolls, stockholders' equity, earnings per share, long-term debt, marketable securities, and statement of cash flows. Required for all business majors. Offered every semester.

Prerequisite: BU3502.

BU3600 Principles of Business Law **2 cr.**

A study of the nature and functions of law introducing the student to the legal system, constitutional, administrative, tort, criminal, consumer protection, employment, and contract law. Offered every semester.

Prerequisite: EMS.

BU3605 Intermediate Business Law **2 cr.**

An in-depth study of the law of contracts, agency, and partnerships. Offered every semester.

Prerequisite: BU3600.

BU3610 Advanced Business Law **2 cr.**

The study of real and personal property, bailment, documents of title, bankruptcy, secured transactions, and trusts and estates. Offered every semester.

Prerequisite: BU3605.

BU3800 Marketing: Principles and Concepts **4 cr.**

A comprehensive introduction to marketing principles with emphasis on the marketing concept as means of distributing goods and services in a competitive economy. Examines market determination and population segmentation for product planning, product distribution systems, pricing policies and practices, and promotion strategies. Offered every semester.

Prerequisite: EMS.

BU3905 Business Communications **2 cr.**

This course is an introduction to the fundamentals of business communications. It emphasizes planning, research, organization, clarity, conciseness, positive tone, mechanics and format. Business letters, electronic communications, memos, and reports will be written and analyzed. Replaces BU3900. Offered every semester.

Prerequisite: EMS.

BU3911 Business Presentation Skills **2cr.**

Presentation skills are critical in business to inform and motivate a range of audiences, from clients and investors to management and staff. Effective speakers, coupled with other essential skills, tend to move up the corporate ladder to increasing responsibility and success. This course provides the foundations for delivering professional business presentations. The course will explore verbal and nonverbal skills, delivery techniques, and presentation structure. Through repeated stand-and-deliver exercises, students will put these techniques into practice, test approaches, and improve their ability to speak with confidence, poise, clarity, and conviction. (offered occasionally)

Prerequisite: EMS.

BU4035 Web Systems and Electronic Commerce **4 cr.**

This course covers the basics of web systems, furthering an understanding of them through the development of e-commerce applications and systems. The course provides an overview of several current web technologies, including client side applications such as web design using JavaScript and VBScript and server side applications

on Apache (Linux) and IIS (Windows) using CGI, ASP, and Java Servlet technologies. Students will implement an e-commerce application using the learned components involved in a web system and e-business strategies. Projects are carried out individually and in groups. Offered every year.

Prerequisite: EMS.

BU4110 Organizational Behavior and Management

4 cr.

This course examines the evolution of organizations and managerial roles in contemporary organizations. It provides a comprehensive analysis of the functions and processes of management. Topics include the influence of business on society, international business, the managerial functions of planning, organizing, leading, and control, and the social influence of management in terms of ethics, leadership, power, communication, conflict, and organizational culture. Also studied are employee motivation, diversity, group dynamics, and decision-making. Offered every semester.

Prerequisite: EMS.

BU4120 Global Business

4 cr.

The goal of this course is to provide an introduction to international business environment and operations. The course analyzes the social, economic and political forces shaping multinational business' activities abroad and uses several models to understand cultural differences. An analysis of how cultural factors influence and affect decision making and organizational culture in a global context are the major thrusts of this course. Offered every semester.

Prerequisite: EMS.

BU4130 Entrepreneurship

4 cr.

The steps leading to the establishment of an independent business involving choice of business, structure, capital, startup, management practices, legal and financial considerations. Offered every year.

Prerequisites: BU4110

BU4125 Business in China

4 cr.

An examination of the distinctive management challenges and opportunities of businesses operating in China. Students attend lectures in English and live in China. The course provides an overview of the growing role of business with its political, legal, cultural and economic influences on the rapidly changing international scene. Students are involved in independent research after visits to multinational companies, foreign banks, government controlled businesses, and foreign financial and economic centers. Offered occasionally during the Winter Mini-Semester or Summer Session.

Prerequisites: PE2420; PE2430; one Management course.

BU4500 Intermediate Accounting I

4 cr.

An expanded treatment of accounting theory and principles: investigation of accounting for cash and temporary investments, receivables, inventory costing and evaluation, fixed asset acquisition, depletion and depreciation, intangible assets, and current liabilities. Emphasis is on the analysis of the recommendations and pronouncements of the American Institute of Certified Public Accountants and the Financial Accounting Standards Board. Offered every semester.

Prerequisite: BU3511.

BU4510 Intermediate Accounting II

4 cr.

An expanded treatment of accounting theory and principles: investigation of accounting for capital, retained earnings, pensions, leases, cash flows, and earnings per share. Emphasis is on the analysis of the recommendations and pronouncements of the American Institute of Certified Public Accountants and the Financial Accounting Standards Board. Offered every semester.

Prerequisite: BU4500.

BU4570 Federal Income Tax I

4 cr.

A comprehensive study of tax principles and concepts that apply to income tax planning. The course focuses on the tax treatment of individuals. Topics include gross income, exclusions, deductions, realization and recognition of income, tax rates, the treatment of capital assets and the use of tax credits. **Offered every semester.**

Prerequisite: BU 3511.

BU4590 Cost Accounting

4 cr.

This course provides students with an in-depth understanding of how cost information is gathered, analyzed and reported for purposes of planning, control and decision-making. Includes a thorough examination of the design and operation of job order, process and standard cost systems. Related emphasis is also placed on cost behavior, planning and control of material, labor and overhead costs, activity-based costing, flexible budgeting and variance analysis. Variable costing, cost-volume-profit-analysis and related techniques are explored as tools to enhance management decision-making. Offered every semester.

Prerequisite BU3511.

BU4720 Global Financial Markets

4 cr.

This course explores the fundamentals of the global financial environment. It covers international capital market, money market and derivatives markets. Foreign-exchange risk and international portfolio diversification are discussed. Offered every semester.

Prerequisite: BU4762

- BU4762 Financial Management I** **4 cr.**
 This course provides an introduction to the basic ideas of finance. The primary concepts covered include introductory accounting knowledge, time value of money, risk-return trade-off, the basic characteristics of financial markets and financial securities, cost of capital budgeting. Offered every semester.
Prerequisites: BU3502, MA2000.
- BU4774 Financial Markets and Institutions** **4 cr.**
 This course focuses on the importance of the financial system in providing liquidity and risk diversification in a globally interconnected economy. The course develops a series of applications of principles from finance and economics that explore the connection between financial markets and the economy. Specific topics will include: interest rate determination, term structure, institutional make-up of capital markets, and risk management of financial institutions. The recent credit crisis and its origin in subprime mortgages will be reviewed. Offered every semester.
Prerequisites: BU4762, PE2430.
- BU4860 Export/Import Operations** **4 cr.**
 An introduction to the export/import practices of small and medium-sized firms. The course will provide a practical, step by step techniques-oriented guide in managing and marketing an export/import business. Topics include: identification of applicable rules and regulations, information on identifying suppliers and customers, methods of payment, shipping terms, insurance documents, U.S. Customs Import Requirements and the roles of international freight forwarders and customs brokers. Offered occasionally.
Prerequisite: BU3800.
- BU5115 Operations Management** **4 cr.**
 Introduction to the theoretical and practical applications of OM. Topics: logistics; facility location layout; acquisition and replacement forecasting; planning; operation scheduling and control; inventory planning and quality control. Offered every semester.
Prerequisites: BU3010, MA2000.
- BU5125 Business Ethics** **4 cr.**
 This is a managerially oriented course dealing with the relationship between business and society. A variety of viewpoints will be presented in the examination of the following topics: social responsibility of business, quality of work life, ecology and environment, consumerism, business and government, and managerial ethics. Offered every semester.
Prerequisite: BU4110.
- BU5171 Human Resource Management** **4 cr.**
 Emphasizes the necessity of managing individuals in an organization as resources crucial to survival and success. The relationship of human resource management to strategic planning and implementation is analyzed. Specific attention is given to the theories, policies, techniques and methods related to human resource planning, recruitment, selection, interviewing, training and development, performance, appraisal, separation, labor relations and compensation in compliance with relevant legislation. Offered every semester.
Prerequisites: BU4110; MA2000.
- BU5190 Business Strategy and Policy** **4 cr.**
 Synthesizes the concepts and techniques developed in prior courses. The student is required to apply concepts from management, accounting, marketing, economics, and finance using the casework and/or simulation approach. Offered every semester. Must be taken in student's senior year.
Prerequisites: BU3800, BU4110, BU4762.
- BU5195 Management Seminar** **4 cr.**
 Selected current issues in the field are discussed. Emphasis will be on student research and critical analysis of topics. Topics may vary from year to year. Offered occasionally.
Prerequisites: MA2000, BU4110.
- BU5199 Internship in Business Administration** **4 cr.**
 Designed for students who want experience in the work place participating in the management environment. This is an excellent opportunity to prepare for a career in the field. Open to Business Administration majors only. Offered every semester.
Prerequisites: Senior status; approval by Director of Career Services.
- BU5505 Essentials of Government and Nonprofit Accounting** **2 cr.**
 This course is an introduction to government and nonprofit accounting. Fund accounting theory as well as financial statement presentation will be discussed for both government and nonprofit entities. The course also presents an overview of government auditing standards. Offered every semester.
Prerequisite: BU4500.

BU5520 Financial Accounting Research **2 cr.**

This course will provide a critical update and evaluation of recent development in financial reporting and accounting theory. The emphasis will be on an in depth evaluation and application of some of the more advanced topics that may have been briefly covered in Intermediate Accounting 2, such as derivatives, cash flow, pensions, leases, accounting errors and changes, and disclosure. Extensive use will be made of the FASB Codification of accounting standards and case studies Offered every semester.

Prerequisite: BU4510.

BU5525 Fundamentals of International Accounting **2 cr.**

A discussion of the evolution of international accounting principles and practices. International Financial Reporting Standards (IFRS) and reference to accounting and reporting requirements in selected countries will be covered. Current developments and implications for multinational organizations are also addressed. Offered every semester.

Prerequisite: BU4510.

BU5540 Advanced Accounting **4 cr.**

This course covers accounting for partnerships: formation, operation, dissolution, and liquidation. There is an in-depth analysis of business combinations including statutory mergers, consolidations, and acquisition of subsidiaries, preparation of consolidated financial statements including the equity method and elimination entries. Additionally, the course includes an introduction to foreign currency translation and transactions, the SEC, and Sarbanes-Oxley. Offered every semester.

Prerequisite: BU4510.

BU5550 Auditing **4 cr.**

Study of the professional ethics and possible legal liability of the auditor. Examination of current auditing theory and techniques and their application to specific balance sheet and income statement accounts to obtain evidence that management's financial statements are fairly presented, including the generally accepted auditing standards, role of internal control, uses of sampling, effects of information technology, and the various reports rendered by auditors. Offered every semester. Must be taken in student's last semester.

Prerequisite: BU4510.

BU5555 Foundations of Accounting Information Systems **2 cr.**

Examines the fundamental roles and functions of accounting information systems in providing support for decisions by management and other interested groups. Topics include database concepts, accounting data flow, and business processes. Students will learn how to apply software such as Microsoft Access in designing their own systems. Offered every year.

Prerequisites: BU3010, BU4500.

BU5560 Financial Statement Analysis **2 cr.**

An advanced level course covering the analytical tools necessary for conducting a financial analysis of a business and its financial statements. The course will focus on selecting the appropriate analytical tools and the effective use of notes to the financial statements for making financial decisions about a business. Topics include ratio and trend analysis, as well as an examination of annual reports, 10K and 10Q filings. Offered occasionally

Prerequisite: BU4510.

BU5571 Federal Income Tax II **4 cr.**

Tax treatment of corporations, partnerships, limited liability entities, business transactions and their related tax forms are stressed in this second course in taxation. Topics include: depreciation, Section 1231 and depreciation recapture under Sections 1245 and 1250, bad debts and losses, "C" Corporation formation and operations, "S" Corporations, Partnerships and Limited Liability Entities, and an introduction to multi-state taxation. Offered occasionally.

Prerequisite: BU4570 or permission of instructor.

BU5599 Internship in Accounting **4 cr.**

Designed for students who want experience in the work place participating in the accounting environment. This is an excellent opportunity to prepare for a career in the field. Open to Accounting majors only. Offered every semester.

Prerequisites: Senior standing; approval by Director of Career Services.

BU5710 Financial Modeling and Forecasting **4 cr.**

The course is aimed at giving students a working knowledge of the analytical tools that are important in the decisions firms regularly make Emphasis will be placed on the performance goals of the firm, the forecasting of investment returns and firm cash flows, and the estimation of investment firm risk parameters. Regression analysis, along with other statistical modeling tools where necessary, will be used to estimate relationships among economic variables, and as a forecasting tool. The course is aimed at consolidating knowledge gained in other functional areas of business. While knowledge of quantitative techniques is presupposed, the emphasis is more on economic intuition as a practical problem-solving tool. Offered every semester.

Prerequisites: BU4752, MA2000, PE2420, PE2430.

BU5740 Investment Management and Security Analysis **4 cr.**

Study of theories, techniques and approaches for determining the values of major types of securities including derivation of capitalization rates, forecasting of earnings and technical analysis. Evaluation of the dividend, capital

leverage controversies and the efficient market hypothesis. Introduction to modern portfolio theories and investment strategies. Offered every semester.

Prerequisite: BU4762.

BU5760 Corporate Finance **4 cr.**

This course introduces students to the principle of maximization of the firm's value in a world with uncertainty. It covers firm's capital structure and dividend policy, cash flow management, short-term financing, merger and acquisition and leasing. Offered every year.

Prerequisite: BU4762.

BU5789 Futures and Options Markets **4 cr.**

This class will provide students with a basic knowledge of derivatives in options, futures, and forwards markets. Topics include option valuation models, principles of forward and futures pricing, structure of markets for derivative securities, and strategies for hedging and speculation. Offered every year.

Prerequisite: BU4762.

BU5790 Seminar in Finance **4 cr.**

Discussion of topics in finance chosen by instructor. Offered occasionally

Prerequisites: BU4762, BU5760, BU5771.

BU5798 CFA Level I Exam Preparation **4 cr.**

This course examines ethical and professional standards and reviews financial analysis tools including economics; quantitative analysis; financial accounting and statement analysis; markets and institutions; and asset valuation and portfolio management techniques. Offered occasionally.

Prerequisites: BU4762, BU5760, BU5771.

BU5799 Internship in Finance **4 cr.**

Designed for students who want experience in the work place participating in the finance environment. This is an excellent opportunity to prepare for a career in the field. Open to Business Administration, Finance specialization majors only. Offered every semester.

Prerequisites: Senior status; approval by Director of Career Services.

BU5800 Marketing Research **4 cr.**

The course examines qualitative and quantitative marketing research techniques. It provides a step by step coverage of a research project including problem definition, research design, sampling, questionnaire construction, data analysis, and report preparation. Students will design and execute a small scale research project. Offered every semester.

Prerequisites: MA2000, BU3800.

BU5820 International Marketing **4 cr.**

Nature and practice of international marketing management. Covers problems of marketing across national boundaries as well as within different national markets. Emphasizes the environment in which international marketing takes place; deals with product, pricing, distribution and promotion strategies of international marketing managers; examines ways of integrating and coordinating the firm's marketing programs in diverse markets. Offered every semester.

Prerequisites: PE2420, PE2430, BU3800.

BU5841 Strategic Marketing **4 cr.**

This course applies the marketing strategy concept as a management tool for optimizing performance. It focuses on the marketer's deployment of resources to achieve goals in a competitive environment. Students will be applying knowledge gained in other courses to analyze case studies. In addition, the course explores current marketing topics such as social media and business analytics and integrates them into strategic planning. Offered every semester.

Prerequisite: BU3800.

BU5851 Consumer Behavior **4 cr.**

Incorporates concepts from the behavioral sciences that provide a foundation for the study of buyer behavior. The course evolves through an exploration of the contributions from economics, psychology, sociology and cultural anthropology that reveal the motivations underlying consumer behavior. Offered every semester.

Prerequisite: BU3800.

BU5880 Brand Theory and Strategy **4 cr.**

This course focuses on how brands are created and managed within the marketing process. Using an interdisciplinary marketing and social science perspective, students analyze the cultural system of brand identity generated by product manipulation and consumer choice, creating value for both buyer and corporation. Marketing policies are evaluated through an analysis of product development, distribution and pricing with particular focus on the newest communication tools in advertising, public relations and sales promotions. Offered every semester.

Prerequisite: BU3800.

BU5891 Marketing Seminar**4 cr.**

A program tailored to the needs and interests of students of marketing, advertising, and public policy issues. Students complete an actual business project related to marketing. Offered occasionally. Prerequisite: Senior Standing.

Prerequisite: BU3800.

BU5895 Internship in Marketing**4 cr.**

Designed for students who want experience in the work place participating in the marketing environment. This is an excellent opportunity to prepare for a career in the field. Open to Marketing majors only. Offered every semester.

Prerequisites: Senior standing; approval by Director of Career Services.

CHEMISTRY, PHYSICS AND PHYSICAL SCIENCE COURSES

All course offerings are contingent upon budgetary allocations, faculty resources, and enrollment figures and, unless otherwise indicated, are offered in accordance with student demand.

To enroll in Chemistry/Physics courses at the 2000 level, students must demonstrate EC I. To enroll in Chemistry/Physics courses at the 3000 level, students must demonstrate ECII. To enroll in Chemistry/Physics courses at the 4000 level and beyond, students must be proficient in English.

Students may petition the department for waiver of prerequisite or co-requisite requirements for a course if they believe they have the equivalent background.

Courses fulfilling Liberal Education Curriculum requirements:

CP2000 Chemistry for Non-majors**3 cr.**

Survey of chemistry for the non-science major. Basic principles to be covered include atomic structure, chemical properties, chemical reactions, the nature of organic and inorganic compounds and novel materials. Principles are illustrated with applications to daily life. No prior background in chemistry required. Offered periodically.

Prerequisite: MA1010, completed with grade of "C" or better.

CP2001 Chemistry for Non-Majors Laboratory**1 cr.**

Laboratory course designed to illustrate concepts taught in Chemistry for Non-majors. Emphasis on measurement, observation, data collection and reporting in addition to illustration of basic chemical principles. One three-hour laboratory session per week. Offered in conjunction with CP2000.

Co-requisite: CP2000.

CP2050 The Nature and Development of Science**4 cr.**

The course involves students in the study and reflection within the historical context of the development of science as a forum to synthesize their learning of various scientific disciplines. The context is provided by a thorough analysis of the historical and philosophical foundations of scientific knowledge and practice, and its emergency as a distinctly modern view of the universe. The course addresses National Science Education Standards that call for an understanding of the history and development of science, as well as its interdisciplinary nature. *Note: This course does not fulfill the Liberal Education Curriculum Domain 7A (Science) requirement.*

Prerequisite: EMS.

CP2210 Physical Science**3 cr.**

A survey of basic concepts of physical science for students in non-science majors. Topics chosen from fundamental principles of physics, astronomy, chemistry and earth science will provide the student with a broad basic background. Offered periodically.

Prerequisite: MA1020, completed with grade of "C" or better.

CP2211 Physical Science Laboratory**1 cr.**

A one semester hands-on laboratory course designed to introduce the non-science major to the basic concepts of the physical sciences. Laboratory exercises are selected to provide a broad background in the fundamental aspects of Mechanics, Light, Electricity, Chemistry, Geology and Astronomy. Offered in conjunction with CP2210.

Prerequisite: MA1020, completed with grade of "C" or better; Co-requisite: CP2210.

CP2300 Weather Studies**3 cr.**

Weather Studies covers the composition and structure of the atmosphere; the flows of energy to, from, and through the atmosphere; and the resulting atmospheric motions. The physical principles of atmospheric phenomena are stressed, as well as the effects of weather on society. Students will participate in learning activities coordinated with current weather data delivered via the web. *Note: This is an online course; concurrent registration in CP2301 required. Offered periodically.*

Prerequisite: Math proficiency; Co-requisite: CP2210.

CP2301 Weather Studies Lab**1 cr.**

Laboratory course designed to illustrate concepts taught in Weather Studies (CP2300). Laboratory investigations include experiments on the physical properties of air, analysis of weather trends, and creation and interpretation of real time weather plots. Note that all lab work will be done online. Offered in conjunction with CP2300.

Co-requisite: CP2300.

CP2400 Ocean Studies**3 cr.**

This is an introductory oceanography course suitable for students with no prior science background. This course investigates the world's oceans from an earth system perspective, emphasizing interactions between spheres (i.e., hydrosphere, atmosphere). Topics covered will include the physical and chemical properties of seawater, flow and transformations of water and energy, and ocean circulation. Students will also study adaptations of marine life and human societal impacts on the oceans. Learning activities will make use of real-time ocean data accessible via the web. Note: This course is conducted online.

Prerequisite: Math proficiency; Co-requisite: CP2401.

CP2401 Ocean Studies Lab**1 cr.**

Laboratory course designed to illustrate concepts taught in Ocean Studies (CP2400). Laboratory investigations will be both hands-on and web-based, and will include the interpretation of real-time ocean data. Offered in conjunction with CP2400. Successful completion of Ocean Studies and Ocean Studies Lab satisfies the college Liberal Education Curriculum requirement for a laboratory science course.

Co-requisite: CP2400.

CP 2500 Climate Studies**3 cr.**

An introductory course in climate studies that uses current and historical climate data available on the internet to explore climate change and its potential impacts. In order to evaluate the emerging evidence about climate change, individuals need to understand the factors that affect climate and its variability. Major earth, air and water systems, and their relationship to climate and to climate change, are discussed. Emphasis is placed on exploring the tools scientists use to understand and describe climate, including satellite observations, ice cores and mathematical modeling. The public policy aspects and societal impacts of climate change will be debated. Taught in a hybrid mode, the course includes activities such as in-class presentations, exams and the acquisition, analysis and presentation of online climate data.

Prerequisite: Math Proficiency; Co-requisite: CP2501.

CP 2501 Climate Studies Lab**1 cr.**

Laboratory course offered in conjunction with, and designed to illustrate, concepts taught in Climate Studies (CP2500). Laboratory investigations will be web-based, and will include analysis and interpretation of climate data.

Co-requisite: CP2500.

CP2600 Environmental Analysis of Long Island**4 cr.**

This is an introductory course that will focus on the study of the natural sciences of Long Island. It includes many aspects of biology, earth and atmospheric sciences, fundamental principles of chemistry and physics, human population dynamics, and an appreciation for biological and natural resources. It will always include the consideration of people and how they have influenced the system under examination. This course will use laboratory, field and a case study approach to give the students a "hands-on" approach to the fundamental principles of environmental analysis. There will be an emphasis on laboratory and field methodologies, data analysis, and technical communication within an interdisciplinary context.

Prerequisite: ECI.

Courses designed for Chemistry Majors:**CP2120 Principles of Chemistry I****3 cr.**

Introduction to the origins and principles of modern chemistry. Discussion of atomic and molecular structure, stoichiometry, periodicity, bonding and states of matter. Principles are illustrated through demonstrations and study of descriptive chemistry. Offered every semester.

Prerequisite: MA1020, completed with grade "C" or better.

CP2121 Principles of Chemistry Lab I**1 cr.**

Laboratory course designed to illustrate concepts of Principles of Chemistry I. Emphasis on basic chemical concepts, quantitative laboratory skills, descriptive chemistry, and development of scientific report writing skills. Three laboratory hours per week. Offered in conjunction with CP2120.

Co-requisite: CP2120.

CP2130 Principles of Chemistry II**3 cr.**

Continuation of Principles of Chemistry I. Discussion of acid/base and oxidation/reduction reactions, equilibrium, kinetics and electrochemistry. Principles are illustrated through demonstrations and study of descriptive chemistry. Offered every semester.

Prerequisite: CP2120 completed with grade of "C" or better.

CP2131 Principles of Chemistry Lab II **1 cr.**

Continuation of CP2121. Emphasis on basic chemical concepts, quantitative laboratory skills, descriptive chemistry, and development of scientific report writing skills. Three laboratory hours per week. Offered in conjunction with CP2130.

Prerequisite: CP2121 completed with grade of "C" or better; *Co-requisite:* CP2130.

CP2220 Structure of Physics I **3 cr.**

A non-calculus, introductory physics course for biological science, health sciences and premedical students. Topics included are the principles and laws of mechanics, kinematics, energy and rotational motion. Offered every Fall.

Prerequisite: MA2090 or equivalent, completed with grade of "C" or better.

CP2221 Structure of Physics I Laboratory **1 cr.**

A three-hour laboratory course illustrating topics covered in CP2220. Offered in conjunction with CP2220.

Co-requisite: CP2220.

CP2230 Structure of Physics II **3 cr.**

A continuation of Structure of Physics I. Topics include wave motion and sound, electricity and magnetism, physical and geometric optics and selected topics from nuclear physics. Offered every Spring.

Prerequisite: CP2220 completed with grade of "C" or better.

CP2231 Structure of Physics II Laboratory **1 cr.**

A three-hour laboratory course illustrating topics covered in CP2230. Offered in conjunction with CP2230.

Co-requisite: CP2230.

CP2240 General Physics I **3 cr.**

The first semester of a calculus-based introductory physics course primarily for chemistry and math majors. Kinematics, energy, momentum and rotational motion are included. Offered every Fall.

Prerequisite: MA2310, completed with grade of "C" or better.

CP2241 General Physics I Laboratory **1 cr.**

A three-hour laboratory course illustrating topics covered in CP2240. Offered in conjunction with CP2240.

Co-requisite: CP2240.

CP2250 General Physics II **3 cr.**

The second semester of a calculus-based general physics course. Optics, electricity, wave motion and magnetism are included. Offered every Spring.

Prerequisite: CP2240 completed with grade of "C" or better.

CP2251 General Physics II Laboratory **1 cr.**

A three-hour laboratory course illustrating topics covered in CP2251. Offered in conjunction with CP2250.

Co-requisite: CP2250.

CP 2700 - Wave Motion: Light and Sound

An introductory course on the science of waves in light and sound and their applications to modern forms of technology that directly impact our lives, such as wireless communication, image recognition, and remote sensory data collection. Students learn the basic concepts through activities with microcomputer-based laboratory (mbl) technology, designed to explore applications with inquiry-based tasks using sensors and mobile devices to collect and analyze data.

Pre-Requisite: MA1020.

CP3230 Mathematical Methods in the Physical Sciences **3 cr.**

Application of advanced mathematical principles to problems in the physical sciences. Topics include infinite and power series, functions of several variables, matrix and vector algebra, Fourier analysis, special functions and differential equations. Offered periodically.

Prerequisite: MA2320.

CP3300 Organic Chemistry I **3 cr.**

The first semester of an introductory organic chemistry course. Discussion of major classes of organic compounds, with emphasis on structure, reactions, synthesis, stereochemistry and reaction mechanism. Offered every Fall.

Prerequisite: CP2130 completed with grade of "C" or better.

CP3302 Organic Chemistry Lab I **2 cr.**

Designed to illustrate topics of CP3300. Stresses development of laboratory skills in synthesis, separation and purification of organic compounds. Emphasizes scientific report writing skills. Four laboratory hours per week. Offered in conjunction with CP3300.

Prerequisites: CP2130 and CP2131 with grades of "C" or better; *Co-requisite:* CP3300.

CP3310 Organic Chemistry II **3 cr.**

Continuation of Organic Chemistry I, with discussion of additional major classes of organic compounds. Offered every Spring.

Prerequisite: CP3300.

CP3312 Organic Chemistry Lab II **2 cr.**
Designed to illustrate topics of CP3310. Stresses additional synthetic techniques not covered in CP3302, spectroscopic methods and qualitative organic analysis. Emphasizes scientific report writing skills. Four laboratory hours per week. Offered in conjunction with CP3310.

Prerequisite: CP3302; Co-requisite: CP3310.

CP3400 Analytical Chemistry **5 cr.**
Study of chemical stoichiometry, homogeneous and heterogeneous equilibria, principles of volumetric and gravimetric analysis, chemical separation methods and spectrophotometry. Includes statistical analysis of data and scientific record-keeping. Two lectures and one four-hour laboratory per week. Offered every Fall.

Prerequisites: CP2130, CP2131 completed with grades of "C" or better.

CP4320 Advanced Organic Chemistry **3 cr.**
An examination of modern synthetic methods, molecular orbital theory, linear free energy relationships, acid-base catalysis, neighboring group participation, medium and salt effects, and a detailed consideration of the mechanistic features of a wide variety of organic reactions. Offered periodically.

Prerequisite: CP3310; Co-requisite: CP4700.

CP 4490 Biochemistry for Life Sciences **3 cr.**
One semester survey course designed for life science majors requiring only one semester of biochemistry. We will cover basic concepts about pH, biological buffers, bioenergetics, nucleotides, amino acids, proteins, enzymes, carbohydrates, lipids, intermediary metabolism, and molecular biology. **This course is not open to Biochemistry majors for credit.**

Prerequisites: CP 3310 with a grade of C or better.

CP4510 Biochemistry I **3 cr**
Comprehensive coverage of the chemistry and metabolism of biological compounds, including proteins, nucleic acids, lipids, polysaccharides, and their precursors. Also treats enzyme kinetics, bioenergetics and biosynthesis of important biomolecules. Offered every Fall.

Prerequisite: CP3310 with a grade of C or better.

CP4515 Biochemistry II **3 cr.**
Continuation of Biochemistry I, with emphasis on the control of biochemical processes, photosynthesis, replication, transcription and translation, genetic engineering, ribosomes, and metabolism. Offered every Spring.

Prerequisite: CP4510 with a grade of C or better.

CP4520 Biochemistry Lab **2 cr.**
Laboratory experiments illustrating current biochemical techniques and reinforcing lecture topics. Four laboratory hours per week. Offered in conjunction with CP4510.

Co-requisite: CP4510 or CP4490.

CP4700 Physical Chemistry I **3 cr.**
Survey of the basic principles of physical chemistry, with emphasis on thermodynamics, changes of state, solutions, phase equilibria and kinetic theory. Offered every Fall.

Prerequisites: CP2130 completed with grade of "C" or better; MA2320 completed with a grade of "C" or better, CP2230 or CP2250 completed with a grade of "C" or better.

CP4710 Physical Chemistry II **3 cr.**
Survey of the basic principles of physical chemistry with emphasis on chemical kinetics, quantum mechanics, atomic and molecular structure. Offered every Spring.

Prerequisites: CP2130 completed with grade of "C" or better; MA2320 completed with a grade of "C" or better, CP2230 or CP2250 completed with a grade of "C" or better.

CP4720 Physical Chemistry Lab **2 cr.**
Laboratory experiments designed to illustrate the chemical principles underlying thermodynamics, equilibria, surface and transport properties, chemical kinetics, and spectroscopy. Includes vacuum techniques and use of computers to acquire and analyze data. Emphasizes scientific report writing in standard format. Offered in conjunction with CP4710.

Co-requisite: CP4710.

CP4800 Advanced Chemical Methods **5 cr.**
A study of organic and inorganic compounds using instrumental methods of characterization. Synthetic techniques may include use of inert atmosphere and electrochemical methods. Characterization of compounds may utilize spectroscopy, GC/MS, LC/MS, electrochemistry, NMR and others. Two lectures and one four-hour laboratory per week. Emphasis on scientific report writing in standard format. Offered every Spring.

Prerequisites: CP3310, CP3312, CP3400, CP4700 with a grade of "C" or better..

CP5500 Advanced Topics in Chemistry**3 cr.**

One-semester lecture course covering selected topics of current importance to chemists. Course content may include such topics as spectroscopy, radiation chemistry, electricity and magnetism, molecular orbital theory, group theory and new instrumental techniques. Offered periodically.

Prerequisite: Permission of the Instructor.

CP5600 Advanced Inorganic Chemistry**3 cr.**

Study of inorganic chemistry emphasizing the use of thermodynamic, kinetic and quantum mechanical principles. Topics include structure, bonding, descriptive chemistry, coordination compounds, group theory, and discussion of current topics from the literature. Offered periodically.

Prerequisite: CP4710.

CP5900 Research**2-4 cr.**

Research project carried out under the supervision of a faculty member. Each project includes a survey of the appropriate original literature, a theoretical or experimental investigation, and a comprehensive report of the results. Open only to students accepted as research trainees sponsored by a member of the Chemistry and Physics faculty. Offered every semester. Grading will be CR/NC.

Prerequisite: Permission of the Chemistry/Physics faculty.

CP5920 Senior Seminar I**1 cr.**

Capstone course in which the student integrates coursework in the sub-disciplines to discuss topics of current interest in the profession. Includes instruction in library resources and on-line searching, scientific writing, ethics workshops and oral presentations. Students choose a supervisor and seminar topic and submit a draft written report. Attendance at Science Seminar Series is required. Offered every Fall.

Prerequisite: Senior Standing or Permission of the Instructor.

CP5921 Senior Seminar II**1 cr.**

Continuation of CP5920. Emphasis on producing paper in American Chemical Society format. Attendance at Science Seminar Series is required. Offered every Spring.

Prerequisite: CP5920.

CP9990 Independent Study in Chemistry/Physics**2-4 cr.**

An academic project other than laboratory research carried out under the supervision of a faculty member. Offered every semester.

Prerequisite: Permission of the Chemistry/Physics faculty.

COMPUTER AND INFORMATION SCIENCE COURSES

All course offerings are contingent on budgetary allocations, faculty resources and enrollment figures, and are offered in accordance with student demand, unless otherwise indicated. Prerequisites must be met and no course substitutions are allowed except with the written approval of the department Chair.

CS1500 Introduction To Computer Applications**4 cr.**

This course is designed to provide the student with a comprehensive introduction to . Topics include fundamental concepts, hardware components, software products, trends in computing and an introduction to the Microsoft Windows environment, including the use of the mouse and file management. Issues related to the impact computers have on society and current changes in technology are also discussed. Students will receive hands-on instruction in popular software applications including Microsoft Word, Excel, Access and PowerPoint. Offered every semester.

CS1505 Internet and Society**4 cr.**

This course covers workings of the Internet, researching online and societal issues which either affect the Internet or are affected by it. Topics: Overview of the Internet and World-Wide-Web, ISPs, e-mail, chat, instant messaging, browsers, databases and Web services, file types and downloading, Web page design, online shopping and security. Researching online: search engines, indexes, quick reference aids, Boolean searches, Web resources in various subject areas. Societal issues: intellectual property, privacy, online education, e-commerce, online communities. Offered based upon student demand.

CS1510 Advanced Computer Applications**4 cr.**

This course introduces the role of computers and data processing in the business environment. Topics include essential business computer concepts. Popular PC software packages (database management software and especially electronic spreadsheets) are used to emphasize business analysis and decision-making using computers.

Business and Accounting majors will appreciate our coverage of the electronic spreadsheet package, Microsoft Excel. Topics include: basic spreadsheet design, entering data, formatting worksheets, implementing formulas and more. This course is primarily for business majors. Offered based upon student demand.

CS2410 Web Site Design **4 cr.**

This course provides an introduction to designing web pages using Adobe DreamWeaver and other web technologies. Students will learn how to design a professional looking web site using hands-on software and real life examples. Topics include creative design, layout and typography, organization of content, navigation, tables, frames, templates and style sheets, graphics, animation, plug-ins, streaming audio and video, Flash, HTML, and XHTML. Assignments carried out individually and in groups. Offered based upon student demand.

CS2510 Computer Programming I **4 cr.**

Introduction to program design and analysis: algorithmic processes, basic programming techniques, program specification & structure, program development, debugging and testing. Emphasis on programming methodology and style. Students learn the basic language features of C++/Java to write basic to intermediate level programs. Offered every semester.

Prerequisite: MA1020 or equivalent.

CS2511 Computer Programming II **4 cr.**

Continuation of CS2510. Discussion of storage classes, pointers, recursion, files and string manipulation. Basic data structures and algorithms, data abstractions and object-oriented programming. Students write intermediate to advanced level programs in C++/Java. Offered every semester.

Prerequisite: CS2510.

CS 2521 Introduction to Scientific Programming **4 cr.**

A fast paced introduction to program design and analysis: algorithmic processes, basic programming techniques, program specification & structure, program development, debugging and testing. Emphasis on scientific applications. Discussion of storage classes, files and string manipulation. Basic data structures and algorithms, data abstractions and object-oriented programming. Students learn the language features of Python with an eye toward scientific and data analysis applications.

Prerequisite: MA 2310

CS2610 Visual Basic and Object-Oriented Programming **4 cr.**

This course provides an introduction to the Visual Basic programming language, programming concepts and terminology, algorithms, and problem solving strategies. It will provide students with the critical thinking skills necessary to design and write computer programs utilizing the components of Visual Basic. Students will learn how to develop professional real-life applications using Graphical User Interfaces and be introduced to programming topics such as objects, classes, control structures, methods, functions, string and array handling, and an introduction to ADO.NET. Offered based upon student demand.

CS3410 Interactive Multimedia Design **4 cr.**

This course provides an introduction to Interactive multimedia design emphasizing animation, sound and video using Adobe Flash and ActionScript. Students will learn how to design and create professional multimedia applications for e-commerce, interactive instructional videos, and interactive web sites with rich internet applications using state of the art multimedia software. Topics include the application of e-business strategies using interactive audio and video, drawing and color tools, animation, timeline effects, shape tweening, video and audio parameters and compression formats, OOP, ActionScript properties and classes, methods, functions, event handlers, conditional statements, loops and arrays. Assignments to be carried out individually and in groups Offered based upon student demand.

Prerequisite: Familiarity with computer programming recommended.

CS3611 Advanced Visual Basic and Database Application Programming **4 cr.**

This course provides an in-depth study of the skills and knowledge of Visual Basic programming. It is intended to reinforce and build upon the introductory programming course by introducing more advanced features of Visual Basic programming language and environment. Some of the advanced topics include SQL, database programming, reporting scheme, programming for the web and web forms, object-oriented programming, accessing data with ADO.NET. It also introduces basic technologies in ASP.NET. Offered every semester.

Prerequisite: CS2510 or equivalent.

CS3620 Computer Architecture I **4 cr.**

Basic computer architecture. Switching theory, data representation, arithmetic operations, assembly language coding, Boolean logic, combinational circuits, logical design, instruction execution, sequential machines. Offered every other semester.

Prerequisites: CS2511 and MA3030.

CS3630 Computer Architecture II **4 cr.**

Integrated circuits, pipelining, Cache Memory, DRAM, RAID, Memory Hierarchy, I/O Device Interfacing, DMA, CISC processing, RISC processing, Multi processing, Vector processing, Parallel processing. Offered based upon student demand.

Prerequisite: CS3620.

CS3810 Data Structures & Algorithms**4 cr.**

Abstract data structures and their implementations. Linear lists, stacks, arrays, orthogonal lists, graphs, trees and multilinked structures. Basic and higher level file structures and their manipulation. Analysis and design of efficient sorting and searching algorithms, including recursion, divide-and-conquer, and balancing approaches. Advanced level programming. Assignments conforming to the object-oriented methodology covered in CS2511. Offered every semester.

Prerequisites: CS2511 and MA3030.

CS3910 Java and Object-Oriented Programming**4 cr.**

Object-oriented programming: classes, interfaces, objects, messaging, composition, inheritance. Language features: exceptions, packages, garbage collection, virtual machine. Built-in-Packages: lang, util, io, awt, swing. Applications, applets and security. File structures and file I/O. Object-oriented design: design patterns, frameworks and UML. Programming assignments carried out individually. Offered every semester.

Prerequisite: CS3810.

CS3911 C++ and Object-Oriented Programming and Design**4 cr.**

Object-oriented programming: encapsulation, abstraction, classes, interfaces, objects, messaging, composition, polymorphism and inheritance. Language features; namespaces, exceptions and templates. Programming with STL. File structures and file I/O. Object-oriented design: design patterns, frameworks and UML. Programming assignments carried-out individually and in groups. Offered once a year.

Prerequisites: CS2511 and MA3030.

CS4100 Technical Communications**4 cr.**

Emphasis on technical writing and public speaking skills. Application of report-writing fundamentals to technical correspondence, technical reports, user manuals. Detailed analysis of the problem of conveying technical information to technical and non-technical audiences in written, as well as oral form. Term project involving written paper on a technical subject and an oral presentation of the subject in class. Offered every semester.

Prerequisites: Junior standing in CIS/MIS; ECII.

CS4200 Mobile Programming through Android**4 cr.**

This course introduces students to creating mobile applications through the Android programming environment. Students will build upon their programming experience in Java to learn the fundamentals of event driven multi-tier programming, including important programming patterns that best fit the unique needs of mobile devices. Furthermore, students will learn how to create interactive GUIs that leverage mobile capabilities, including data from embedded devices such as cameras and sensors such as GPS, in order to create novel and accessible experiences and representations for users. Students will learn to use databases to store and retrieve data as well as use API's to retrieve data from websites. By class-end students will have created multiple mobile applications to add to their portfolio.

Prerequisite: CS 3810

CS4400 Artificial Intelligence**4 cr.**

Introduction to the programming language LISP. Additional topics include: search as problem-solving paradigm; depth first, breadth first, best first, min/max and alpha beta; state space representation, OR graphs, AND/OR graphs, means end analysis and problem reduction; propositional and predicate logic, skolemization, resolution and theorem proving, semantic nets, frames, neural nets and genetic algorithms. Students write programs in LISP and C++/Java. Offered every other year.

Prerequisites: CS3810 and MA3210.

CS4501 Software Engineering**4 cr.**

Introduces discipline into the development of small programs and teaches construction of large programs using smaller ones as components. Program development focuses on recognition and description of useful abstractions. Object-oriented methodology; procedural, data and control abstractions; specifications, design methods, UML, implementation and testing. Programming assignments in C++/Java are carried out individually and in groups. Offered every semester.

Prerequisites: CS2511 and (CS3810 or CS3611) ; EC I.

CS4550 Database Systems**4 cr.**

Basic concepts: data, information systems, data independence and need for DBMS facilities. The relational model: schema, subschema, relational algebra, relational calculus, SQL, ODBC, JDBC and SQLJ. Database design: entity-relationship model and normalization. Performance considerations, integrity, security and transaction processing. DBMS examples: Access, DB2 and Oracle. Offered every semester.

Prerequisites: CS2511 and (CS3810 or CS3611); EC I.

CS4600 Topics in Computer Science**4 cr.**

Current topics in computer science which are of interest to the computer science faculty will be chosen for discussion. Topics may change each semester. Offered based upon student demand.

Prerequisite: CS3810.

CS4610 Languages & Translators**4 cr.**

Topics include features and characteristics of programming languages and basic principles and techniques of language design. Lexical analysis, syntax analysis, code generation, symbol table and error handling will be covered. The student will develop a simple compiler or interpreter. Offered once a year.

*Prerequisite: CS3911.***CS4705 Introduction to Computer Security****4 cr.**

This course covers basic ideas of computer and network security and fundamental techniques for defending computers and networks against adversaries. The course introduces the students to: secure software engineering, operating system security, network security, cryptography, cryptographic protocols, denial of service attacks, firewalls, authentication techniques, web and server security. Students will work on programming projects individually and/or jointly in groups. Offered once a year.

*Prerequisite: CS3810.***CS4710 Applied Cryptography and Computer Security****4 cr.**

This course develops notions of information security and deals with the tools for guaranteeing secure communications in an adversarial setting. Topics include basic number theory, cryptographic methods, key distribution, and protocols for authentication and confidential communications. The course examines C++/Java security applications that employ cryptography. Students will be assigned several small programs incorporating security. Offered once a year.

*Prerequisite: CS4705 or MA4100.***CS4720 Internet and Web Technologies****4 cr.**

Introduce the Internet, the World Wide Web, the client/server applications, and various web development technologies. Teach hot techniques currently adopted in web application industry including languages for front-end applications such as XHTML, CSS, DHTML, JavaScript and languages for back-end applications such as JavaServer Page, JavaServer Face, PHP, the .Net platform and Python. The XML and Ajax is also introduced. Offered once a year.

*Prerequisite: CS4550.***CS5551 MIS Topics****4 cr.**

The purpose of this course is to introduce the students to the practical aspects of building industrial-strength integrated MIS systems through the use of real-life MIS systems' case studies. The course endeavors to connect enterprise, technological, organizational and strategic issues in support of integration of information and systems. The course will also cover new technologies including artificial intelligence and data mining used in support of management decision-making. Invited speakers will discuss the challenges faced by MIS departments in serving the needs of their enterprises as well as their perspective on the future developments in the field. Students will be required to write a term paper which will be presented in a classroom forum and form a major part of each student's grade. The course assignments will be carried out individually as well as in groups. Concurrent registration in CS5910 is recommended. Offered once a year.

*Prerequisites: CS4550; ECII.***CS5610 Operating Systems****4 cr.**

Memory management: multiprogramming, relocation, paging, virtual memory, dynamic loading and linking. Process management: job scheduling, process scheduling and synchronization, multiprocessing. Device management: input/output, channels and control units, buffering, interrupt structure and processing. Information management: logical and physical file systems, file processing. OS examples: Unix/Linux, Windows. Offered once a year.

*Prerequisite: CS3620 and CS3810.***CS5620 Computer Science Practicum****2-4 cr.**

This is an internship course which is supervised by a full-time computer science faculty member and can be repeated.

*Prerequisite: Permission of instructor.***CS5710 Computer Networks****4 cr.**

Basic system support for process to process communications across a computer network. The TCP/IP protocol suite and the socket application programmers' interface. Development of network application programs based on the client server model. Local area and wide-area network technologies including fast Ethernet, X.25, frame relay and ATM. Performance considerations, network security, network management and multimedia networks. Offered ever semester.

*Prerequisites: CS4501 or CS4550; MA3210 or MA2000.***CS5720 Advanced Java Programming and Applications****4 cr.**

This course introduces Java applications in networking and database programming. It uses Java's advanced features in reflection, serialization, multithreading, networking, database connectivity and remote objects. Offered once a year.

*Prerequisites: CS3810; CS4550; CS5710.***CS5730 Computer Network Security****4 cr.**

This course is a continuation of CS4710 and deals with the issues in network security. Topics include Kerberos, public key infrastructures, electronic mail security, IP security, Web security, intrusion detection and response, password

management, viruses and worms, firewalls, denial of service attacks and defenses, wireless security, and privacy. Students will write several small programs including a network application incorporating security. Offered once a year.

Prerequisites: CS4710 and CS5710.

CS5800 Data Warehousing **4 cr.**

This course introduces the major activities involved in data warehousing application design and implementation. The course starts with an in-depth discussion of the basic concepts and principles of data warehousing, then studies the changes dictated by big data analytics. We discuss the MapReduce framework and its implementation Hadoop and the higher level language HiveQL. We discuss the two popular database architectures, column store databases and inmemoryDBS. We also discuss real-time data warehousing and extract, transform and load (ETL) paradigms used in data warehousing and business intelligence. The students will carry out a simple warehousing application in groups.

Prerequisite: CS 4550.

CS5810 Data Mining **4 cr.**

This course covers the fundamental concepts and techniques useful in discovering knowledge hidden in large data sets. Topics include data preprocessing, frequent pattern matching, classification, clustering and database methods. The course also discusses online analytic processing (OLAP), outlier detection, and important applications. The course assignments will be carried out individually and in groups.

Prerequisites: CS4550, MA2000 or MA3210; EC II.

CS5820 Data Mining II **4 cr.**

This course is a continuation of the first covering the previous topics as well as Web Analytics, Text Mining and Machine Learning, Risk and Financial Analytics, Marketing Science: Customer Analytics, Advanced Exploratory and Outlier Analysis. We discuss MapReduce and its implementation Hadoop and the higher level languages HiveQL and Pig.

Prerequisite: CS 5810 and MA 3210

CS5910 Systems Design & Implementation **4 cr.**

System feasibility studies, meeting with users, project definition, environmental analysis. Data collection, design phase, system restart and recovery. Database considerations, programming, system completion, systems parallel, benchmarks. User training and manual. Conversion planning. Students, working in groups, design and implement a significant software project. Offered every semester.

Prerequisites: CS4501; CS4720EC II.

CRIMINOLOGY COURSES

All course offerings are contingent on budgetary allocations, faculty resources and enrollment figures and, unless otherwise indicated, are offered in accordance with student demand.

CR1500 Introduction to Criminology **4 cr.**

This course will provide students with an introduction to the social scientific study of crime. Students will explore quantitative and qualitative evidence concerning various types of crime (e.g. murder, robbery, rape, domestic violence, child abuse, burglary, larceny, motor vehicle theft, organized crime, international crime, and white collar crime). Also, they will explore crime statistics concerning the demographic dimensions of crime (i.e. age, race, sex, and class). Students will be provided with a brief introduction to biological, psychological, and sociological explanations of crime, and learn to compare social science and media representations of crime and criminals. Finally, students will learn to assess conservative, liberal and radical explanations of historical crime trends, and to examine the impact of the criminal justice system (i.e. police, courts, corrections) on rates of crime. Offered every semester.

CR2090 Juvenile Delinquency **4 cr.**

This course will provide an introduction to theories and research findings concerning causes of juvenile delinquency in U.S. society. In addition, social policies designed to address delinquency as a social problem will be explored. Offered every year.

Prerequisite: ECI.

CR3092 Victimology **4 cr.**

This course will provide an introduction to theory and research about individuals and specific populations that have been victimized by interpersonal, institutional and state-sanctioned violence and abuse. Specific topics may include domestic violence and incest, rape, biased-related crimes, and post-trauma syndrome as a result

of war, torture, social or environmental catastrophes. Students will also become acquainted with the variety of social services, specialized programs within the criminal justice system and practitioners who treat "survivors" of violence and abuse. Offered every year.

Prerequisite: EC II.

CR3093 Criminal Justice Administration

4 cr.

This course introduces the student to conceptual frameworks, theories, and empirical research related to criminal justice administration. Students learn to understand criminal justice as a system, embedded within other systems, and to consider the interaction between (and the interdependence of) the major system components (police, prosecution, courts, and corrections). The administration of criminal justice and criminal justice policy are considered at length. Students apply what they have learned to a series of realistic case studies. Offered every year.

Prerequisite: EC II.

CR3094 Drugs and Society

4 cr.

This course examines the use of drugs not only in contemporary American society, but also globally, and satisfies the Sociology Department's cross-cultural component. The course is arranged so that the material progresses from substances utilized in their natural forms, up to technological "designer" drugs. The problems and virtues of objectively and subjectively studying drug effects are addressed. The history and use of specific substances (i.e., caffeine, marijuana, cocaine) is extensively explored. Students are taught to think critically about drug information presented by the government, media, and pharmaceutical industries. The course investigates how drug use varies by class, race, and sex, and integrates this knowledge to critically assess current drug laws and policies. Offered every year.

Prerequisite: ECII.

CR3117 Sex, Violence and Social Control

4 cr.

This course will examine the formal and informal ways in which sexual practices and identities are policed and produced. Drawing on historical and contemporary examples, we will explore definitions of acceptable sex, the perceived significance and evaluation of sexual behaviors and identities, and the process through which institutions and interactions shape (and are shaped by) our most intimate choices. Central to our analyses will be an examination of the multiple and intersecting ways in which sex and sexuality interact with race, ethnicity, class, and gender in the construction and maintenance of systems of social control.

Prerequisite: ECII.

CR3200 Crime, Media and Culture

4 cr.

This course explores the ways that media and cultural processes socially construct crime in modern society. Drawing on the latest theories of culture and crime, students will investigate the relationships among mass media, individual agency, actual crime and criminal justice. Emphasis will be on crime news, popular representations of crime, contemporary media portrayals of different types of crime and their interactions with racial, ethnic, class and gender stereotypes. Offered every year.

Prerequisite: ECII.

CR4000 Gender, Crime and Justice

4 cr.

This course will examine the role of gender in the criminal legal system. It will cover the relative status of women and men from the late 19th century to the present, and the process of becoming full and equal participants in society. The course will use major sociological theories of gender difference to understand offenders and defendants; prisoners; law enforcement professionals; and victims of this system. Current programs for community based justice and the tension between theories of gender difference, practices and programs for women in the legal system, and conservative and feminist political views regarding the abilities and disabilities of women will also be included. Offered every year.

Prerequisites: CR1500; EMS.

CR4091 Punishment and Corrections

4 cr.

Students are introduced to the sociology of punishment and corrections. The historical development and form of modern corrections systems in the United States are explored. Various punishment and correction strategies, ideologies, and policy alternatives are assessed. Offered every year.

Prerequisites: CR1500; EMS.

CR4099 Sociology of Violence

4 cr.

This course provides a sociological inquiry into the various manifestations of violence in societies, including interpersonal forms of violence such as homicide, rape, and physical assault as well as collective forms of violence such as state-sponsored violence, war, genocide, terrorism and torture. Specific attention will be paid to the sociological causes and effects of individual and collective violent actions. Offered every year.

Prerequisites: CR1500; EMS.

CR4550 Theories of Crime

4 cr.

Students will read a variety of theoretical writings from the literature on crime and deviance. Classes and assignments will be designed to enable students to summarize, assess, and critique these theories. In addition, the implications of theoretical criminology for social/criminal justice policy will be explored. Offered every year.

Prerequisites: CR1500, EMS.

CR4999 Issues in Criminology**4 cr.**

Gives students the opportunity to examine in greater depth the analysis and discussion of current specialized criminological work in the particular area defined by the instructor (as indicated in the schedule of classes). Students are permitted to take CR 4999 Issues in Criminology for credit and as fulfillment of elective requirements for the Criminology and Sociology Majors up to two times in which two distinct topics are covered. Offered every year.

Prerequisites: CR1500; EMS.

SCHOOL OF EDUCATION COURSES

All course offerings are contingent on budgetary allocations faculty resources, and enrollment figures and unless otherwise indicated, are offered in accordance with student demand.

ED3330 Children's Literature**4 cr.**

An introduction to the study of literature for children in the pre-school and elementary grades. The course includes, selection and evaluation of books for children; language development through children's literature; use of literature to promote the social, emotional and creative development of children; integrating children's literature into the content areas; planning story activities. Opportunities to work with children ages 3-7 where feasible. Offered occasionally.

Prerequisite: EC I.

Recommended: ED3700 Child Development as prerequisite or co-requisite.

Prerequisite: EC II.

ED3700 Child Development**4 cr.**

Provides students with background information concerning the intellectual, physiological, social, emotional, and creative development of children from birth through the elementary school years. Emphasis is given to the contributions of Piaget, Gardner and other developmental theorists. Practical relevance of child development information is stressed throughout this course for students who plan to work with children. Students will participate in a practicum in a field-based classroom to gain experience with children in an educational setting and to reflect upon teaching as a career. Offered each semester.

Prerequisites: EC1; EC II.

ED3742 Middle Childhood and Adolescence**4 cr.**

Examines human development from six years through adolescence. Research and theories concerning physical, cognitive, personality and social development will be reviewed. Family, peer groups, schools and media will be discussed. The impact of socioeconomic background, culture, race and gender will be discussed throughout. The use of theories and research in applied settings will be discussed. Offered every semester.

Prerequisites: PY2010; EC II.

ED3950: Creating Schools for a Just Society**4 cr**

This course will introduce students to the historical, political, social, and legal foundations of education in the United States. Students will explore educational policy by deeply engaging with the theoretical and conceptual underpinnings of American schooling. Emphasis will be given on social justice and education. The SOE admissions exam will be given as part of this course.

This course may only be repeated once.

Prerequisites: 48 credits, EC I & II w/ B or higher, MA 1020 w/ B or higher, 3.0 GPA, ED3700

ED3820 Foundations of Special Education**4 cr.**

The purpose of this course is to provide an introduction to the field of Special Education to pre-service teachers-non majors. The course examines the learning and behavioral characteristics of individuals with exceptionalities as well as the foundational approaches to educational programming for exceptional children. A field experience is required. Required for all teacher education majors. Offered every semester.

Prerequisites: Meets Gen Ed Diversity requirement. EC I ;EC II w/B or higher .

ED4050: Innovative Instructional Design and Assessment**4 cr**

This course provides background information for developing curriculum. Emphasis is given to the preparation of lesson plans and unit plans using backwards design. Students will obtain skills in developing objectives, designing instruction and assessment based on Common Core standards. Throughout the course, students will demonstrate competence by creating lesson plans and a unit plan.

Prerequisites: Admission to SOE, ED 3700, ED 3950

ED4082 Methods and Materials of Teaching Mathematics**4 cr.**

This course is a study of the strategies, techniques, materials, and technology used to teach mathematics to middle childhood and high school students. Candidates will become acquainted with New York State learning standards involved in teaching mathematics at the secondary school level, develop an awareness of the pro-

professional environment, and of resources and information available for teachers. There will be a strong focus on unit and lesson planning, assessment methods, interdisciplinary connections and differentiated instruction. The co-requisite Observation course provides an opportunity for candidates to observe and interact with teachers and students in a secondary field placement setting, and to reflect on these experiences. Offered every Spring.

Prerequisites: Admission to SOE; ED3900 and ED4000 or ED3742 . Corequisite: ED5890.

ED4083 Methods and Materials of Teaching Spanish 4 cr.

This course is a study of the strategies, techniques, materials, and technology used to teach Spanish to middle childhood and high school students. Candidates will become acquainted with New York State learning standards involved in teaching Spanish at the secondary school level, develop an awareness of the professional environment, and resources and information available for teachers. There will be a strong focus on unit and lesson planning, assessment methods, interdisciplinary connections and differentiated instruction. The co-requisite Observation course provides an opportunity for candidates to observe and interact with teachers and students in a secondary field placement setting, and to reflect on these experiences. Offered every Spring.

Prerequisites: Admission to SOE; ED3900 and ED4000 or ED3742. Corequisite: ED5890.

ED4085 Methods and Materials of Teaching Science 4 cr.

This course is a study of the strategies, techniques, materials, and technology used to teach science to middle childhood and high school students. Candidates will become acquainted with New York State learning standards involved in teaching science at the secondary school level, develop an awareness of the professional environment, and resources and information available for teachers. There will be a strong focus on unit and lesson planning, assessment methods, interdisciplinary connections and differentiated instruction. The co-requisite Observation course provides an opportunity for candidates to observe and interact with teachers and students in a secondary field placement setting, and to reflect on these experiences. Offered every Spring.

Prerequisites: Admission to SOE; ED3900 and ED4000 or ED3742. Corequisite: ED5890.

ED4086 Methods & Materials of Teaching Social Studies 4 cr.

This course is a study of the strategies, techniques, materials, and technology used to teach social studies to middle childhood and high school students. Candidates will become acquainted with New York State learning standards involved in teaching social studies at the secondary school level, develop an awareness of the professional environment, and resources and information available for teachers. There will be a strong focus on unit and lesson planning, assessment methods, interdisciplinary connections and differentiated instruction. The co-requisite Observation course provides an opportunity for candidates to observe and interact with teachers and students in a secondary field placement setting, and to reflect on these experiences. Offered every Spring.

Prerequisites: Admission to SOE; ED3900 and ED4000 or ED3742. Corequisite: ED5890.

ED4200: Literacy for All Students 4 cr.

This course will prepare teacher candidates to teach reading to students in elementary grades within a balanced and integrated language arts perspective. Special attention is given to the theoretical reading models, developmental stages of literacy, literacy skills and strategies, literacy assessment, planning for English Language Learners, and integration of learning and teaching standards. This course will include practical applications of methods and materials used in class. A 25-hour field component is required.

Prerequisites: Admission to SOE, ED 3700, ED 3950.

ED4220: Language Arts in the Context of Childhood Education 4 cr

The purpose of this course is to explore techniques and strategies to integrate reading instruction across the content areas, with a special emphasis on Social Studies. The focus will be on reading to learn. This course will concentrate on the application, theory, and methodology in literacy instruction. A 25-hour field component is required.

Prerequisites: Admission to SOE, ED 3700, ED 3950, Ed 4050, ED 4200 or ED4850.

ED4220 B: Language Arts in the Context of Bilingual Childhood Education 4 cr.

This course introduces pre-service teachers who will teach in bilingual education and ESL classrooms to reading theories and assessments for the bilingual learners. The course will address how to support bilingual students in becoming readers in two languages (Spanish/English). The course will examine the underlying reading theories informing instruction and assessments as well as their potential and limitations to offer useful information about bilingual students as readers/writers in two languages. In addition, this course will explore the ways Latino (and other multicultural) children's literature can support bilingual Spanish/English students as readers and writers. A 25-hour field placement is required.

Prerequisites: Admission to SOE, ED 3700, ED 3950, ED4050 or 4850, ED4200.

ED4230 Reading Across the Curriculum 4 cr.

This course focuses on current approaches to literacy instruction across the curriculum. It is designed for secondary teacher candidates, and addresses specific instructional strategies appropriate for the adolescent population. Emphasis will be placed on theoretical models of reading, instructional strategies, assessment techniques, strategies specific to multicultural and bilingual learners. Offered every semester.

Prerequisites: Admission to SOE, ED3900.

ED4231 Reading Across the Curriculum Practicum 2 cr.

The purpose of this course is to provide adolescence and middle childhood education candidates with an opportunity to observe literacy strategies in various discipline settings. The course goal is to familiarize candidates

with differentiation of instruction and methodology for diverse / multicultural populations. Candidates will also become familiar with the strategic needs of learners with exceptionalities. Candidates will observe students in a bilingual and/or ESL classroom, and maintain a reflective journal. Field experience is required.

Prerequisites: Admission to SOE; ED 4230.

ED4250 Linguistics for Language Educators

4 cr

Linguistics for Language Educators focuses on building knowledge related to the ways in which languages work in teaching and learning. This course will benefit language educators of all kinds including bilingual, world language (i.e. Spanish Education at the elementary or secondary level), English-for-Speakers-of-Other-Languages (ESOL) and any teacher in a mainstream or special education classrooms with students designed as English Learners (ELs). This course covers theories of language acquisition and linguistic components of language and provides educators with opportunities to explore how current theories and practices in the field of linguistics are relevant to second language teaching and learning. The course provides an overview of theories of language acquisition, linguistics, sociolinguistic and psycholinguistic analyses and how these pertain to language proficiency and academic achievement for students learning language in U.S. schools. Course topics include phonology, morphology, syntax, pragmatics, semantics, sociolinguistics, linguistic anthropology, language variation, language acquisition (first, additional, simultaneous in more than one language), written language, language processing, nonverbal components of language and comparative linguistics for English and Spanish

Prerequisites: Admission to SOE, ED3700, ED3950.

ED4300 Assessment and Evidence-based Decision Making in Special Education

4 cr.

The purpose of this course is to provide pre-service teachers with skills needed to use data to make diagnostic and instructional decisions in special education. In addition, pre-service teachers will practice using assessment results to develop Individualized Educational Programs (IEPs). Pre-service teachers will learn how to: monitor student progress across disciplines and settings, conduct error analyses, and conduct norm- and criterion-referenced assessments. This course is offered every semester.

Prerequisites: Admission to the SOE; ED 4000, ED 4850 .

ED4670 Methods and Materials of Teaching English as a Second Language

4 cr

This course will prepare pre-service teachers to make connections between theory and methodology for the teaching of English as a Second Language in both English-medium or bilingual public school classrooms. The course will emphasize the needs of English learners in academic instruction and how to infuse culturally responsive instruction across the curriculum. This course will provide interactive exploration of research-based ESL classroom practices with special focus on language and literacy integration throughout the curriculum, content-based ESL, and reading and writing strategies for English learners. Pre-service teachers will understand and use the national, state, and local ESL standards to guide their planning, instruction and assessment.

Prerequisites: Admission to SOE, ED3700, ED3900, ED4050 or ED4850, ED4200.

ED4810 Positive Behavior Supports and Interventions for Students with Disabilities

4 cr.

This course is designed to provide students with an understanding of the theoretical foundations of both classroom management and behavior, and focuses on a wide range of proactive and preventative approaches to supporting positive student behavior. Additional course topics include the application of evidence-based approaches to addressing challenging behaviors in the classroom setting, including the collection and analysis of student behavioral data and the creation function-based behavioral interventions to engage and support students who exhibit challenging behavior. This course is offered every semester.

Prerequisites: Admission to the SOE; ED 4000, ED4850.

ED4850 Instructional Design & Delivery for Students with Disabilities

4 cr.

The purpose of this course is to provide pre-service teachers with knowledge of instructional design and delivery for students with disabilities. Pre-service teachers will acquire an understanding of how to teach students with disabilities across disciplines and what to teach across disciplines. This course is required for all Exceptional Education and Learning majors and will be offered every semester

Prerequisites: Admission to the SOE; ED 4000.

ED4890 Effective Practices for Students with Low Incidence Disabilities

4 cr.

This course is focused on the collaborative practices that enable students with low incidence disabilities to reach their maximum potential and lead meaningful lives. Students examine historical experiences of learners with low-incidence disabilities, and analyze different theoretical underpinnings related to teaching this population of learners. Additional foci include: learning and behavioral characteristics; identification and assessment; and evidence-based instructional practices, with a special focus throughout the course on Autism Spectrum Disorder (ASD). This course is offered every semester

Prerequisites: Admission to the SOE; ED 4000, ED4850.

ED5890 Observation, Practicum, and Seminar

4 cr.

This course provides an opportunity for middle childhood and adolescence education majors to experience the school environment prior to student teaching. Candidates spend 100 hours in schools for the purpose of observation of instruction and other school activities, interaction with children and teachers, and reflection. This course is taken in conjunction with a Methods in Teaching course, and is conducted under the supervision of a university supervisor. Students participate in a weekly seminar.

Prerequisites: Admission to SOE, formal application required. Corequisite: ED4082, ED4083, ED4085 or ED4086.

ED5900 Student Teaching in Secondary School and Seminar (Grades 7-12) 12 cr.

This is the capstone student teaching experience for candidates seeking certification in adolescence education in biology, chemistry, mathematics, social studies and Spanish. This course provides an opportunity for candidates to apply knowledge and skills developed in coursework under the guidance of a university supervisor and cooperating teacher. This course is a full-time commitment, with half the semester spent at grades 7-9 and half at grades 10-12. Students participate in a weekly seminar.

Prerequisites: Admission to SOE, formal application required, ED4082, ED4083, ED4085 or ED4086 with a minimum grade of "B".

ED5910 Student Teaching in Middle School and Seminar, Grades (5-9) 12 cr.

This is the capstone student teaching experience for candidates seeking certification in middle childhood education in biology, chemistry, mathematics, and Spanish. This course provides an opportunity for candidates to apply knowledge and skills developed in coursework under the guidance of a university supervisor and cooperating teacher. This course is a full-time commitment, with half the semester spent at grades 5-6 and half at grades 7-9. Students participate in a weekly seminar.

Prerequisites: Admission to SOE, formal application required, ED4082, ED4083, ED4085 or ED4086 with a minimum grade of "B".

ED5925 Building a Classroom Community for All Learners 4 c

This course will prepare teacher candidates to meet the needs of all students in their classrooms. Special emphasis will be on culturally responsive pedagogy and teacher candidates will analyze varied pedagogical practices, curriculum, and related educational materials. A field placement is required

Prerequisites: Admission to SOE, ED3700, ED3950, ED400, ED4050/ED4850 ED4200.

ED5926 Current Topics in Bilingual Education 2 cr.

This course will provide a historical overview of bilingual education in the USA as well as exploration of the current policies and programs for English learners. Time will be dedicated to exploring the bilingual populations as well as important sub-groups within it including newcomers, SIFE, and bilingual students enrolled in special education programs. This course will focus on way that teachers and schools can acknowledge and incorporate the valuable cultural and linguistic resources of bilingual children, their families and their communities to enrich the schooling experiences of emerging bilingual children.

Prerequisites: Admission to SOE, ED3700, ED3950, ED4000, ED4050/ED4850, ED4200

ED 5930 Internship: Meeting the Needs of Diverse Learners 4 cr

This course is the first of two fieldwork experiences required for Special Education majors in their senior year. The course provides opportunities for pre-service teachers to apply the knowledge and skills developed in coursework to a classroom setting that supports children with disabilities. Students are assigned to area schools for 100 hours. Students are also required to participate in weekly seminar sessions. This course is offered every semester.

This course may only be repeated once.

Prerequisites: Admission to to SOE, ED 4000, ED 4850, Senior Standing, Approval of SOE program advisor. Grade of "B" or better required

ED5940 Student Teaching and Seminar 12 cr.

ED5940B Bilingual (Spanish)

Student Teaching and Senior Seminar is the final student teaching field experience required of Teacher Education majors. The course provides opportunity to refine and reflect upon the knowledge, skills, and attitudes needed to become effective elementary school teachers. Students are assigned to area schools and are required to student teach 5 days a week for 15 weeks. Students are also required to participate in seminars in certification preparation sessions. Offered every semester.

This course cannot be repeated

Prerequisites: Completion of all course work and approval of SOE program advisor. Grade of "B" or better required.

ED5960 Student Teaching and Seminar 6 cr.

ED5960B Bilingual (Spanish)

This is the first half of the final student teaching experience for students seeking dual certification as elementary and special education teachers. The course provides opportunities for students to refine and reflect upon the knowledge, skills, and attitudes needed to become effective elementary school teachers. Students are assigned to selected area schools and required to student teach 5 days a week for 15 weeks. Students are also required to participate in weekly certification preparation sessions.

This course cannot be repeated

Prerequisites: Completion of all course work and approval of program advisor. Grade of "B" or better required.

ED/ML 2600 Spanish & Methods of Teaching in the Content Areas for Bilingual Teachers 4 cr

This course will increase bilingual pre-service teachers' understanding of and ability to use the academic Spanish language required for teaching across the content areas in a bilingual childhood classroom. There will be focus and all areas of receptive and productive language use and high-quality children's literature will be introduced and used throughout the course. Active participation in class discussions and teaching lessons will aid in the

development of the language structures and vocabulary needed to effectively teach lessons in Spanish. Pre-service bilingual teachers will develop various aspects of Spanish writing, including grammar, phonetics, spelling, composition, and vocabulary so they are able to deliver content instruction in Spanish.

Prerequisites: ED 4000, ED 4050, ED 4200, ED 4220B. Allowable co-requisites: ED 4121, ED 4122.

ENGLISH COURSES

Reading, Writing and Speech Courses

EL1000 English Composition I: Exposition

4 cr.

Designed to develop and refine students' ability to read, write and think critically. Selected essays will be read and studied as models of rhetorical style, enabling students to detect for themselves the effective use of language and to develop an appreciation for masterpieces of non fiction prose. Students will learn to develop the extended essay with particular attention to discovery and organization. Oral communication skills will be sharpened by directed discussion and by presentation and criticism of class papers. A grade of C or above is required to pass this course. Offered every semester.

Prerequisite: EC I placement.

EL1193 ESOL III

4 cr.

Designed to refine English language skills the multilanguage learner has already acquired. Basic grammatical forms are not directly taught but are reviewed in the context of specific writing activities. Emphasis is on the construction and revision of paragraphs and short compositions. Reading skills are strengthened through vocabulary expansion and exercises in comprehension, summarizing and outlining.

EL1194 ESOL Oral Workshop III

4 cr.

This course in advanced spoken English prepares multilanguage learners possessing basic fluency to use their oral language skills in a more productive and sophisticated manner. Particular attention is paid to the precise language needed for academic purposes and other formal discourse. Also focuses on individual problems of pronunciation and diction.

EL1196 Readings for ESOL Students

4 cr.

Readings with focus on key issues of concern to multilanguage learners help students improve language skills. Paper, group discussions, and oral reports.

EL1298: ESOL IV: English Composition for ESOL Students

4 cr.

This course is designed to improve students' confidence with writing paragraphs and short essays. Through planning, drafting, and revising paragraphs and essays students will hone their writing skills. This course is also designed to improve students' critical thinking and reading skills as well as their ability to control such surface features as grammar, punctuation, diction, and spelling.

EL2001 Public Speaking

4 cr.

Designed to give the student the poise and confidence necessary to think and speak freely before an audience. This course proceeds from audience analysis through motivation, supporting materials, organization, and delivery. Offered periodically.

EL2200-2299 English Composition II: Argumentation/Literary Perspectives

4 cr.

This multiple option course is designed to enable students to formulate and express independent ideas in writing and to develop essay length interpretations based on course readings in literary texts. Close textual analysis of assigned readings and student-centered discussions of peer and professional writings help refine reading, listening and speaking abilities. Each course stresses training in quotation, citation, and research methods. Two or three interpretive essays and a research paper are required. Each English Composition II course focuses on a different literary theme, type of literature, literary form, or literature of a particular geographical area, while training students in the same writing, research, and documentation skills.

EL2203 – EL2248, DESCRIBED BELOW, SATISFY THE ENGLISH COMPOSITION II REQUIREMENT.

A grade of "C" or above is required to pass these courses.

EL2203 Shakespeare: Three Plays

4 cr.

This course examines Shakespearian themes which have intense relevance to today's divided society: sexism, racism, anti-Semitism, colonialism, and gender fluidity. Texts will include such plays as Othello, The Winter's Tale, The Merchant of Venice, Twelfth Night, The Tempest, as well as some of the sonnets. Students are required to write a

reading journal, analytical essays, and a research paper. Most writing is done outside of class. The course stresses training in quotation, citation, and research methods. Offered periodically.

Prerequisite: EC II placement.

EL2205 Psychological Themes in Literature 4 cr.

This section will explore a variety of psychological themes such as development and aging, family dynamics, addictions, neurosis and psychosis in literary works by a selection of writers from different cultures. Themes will also be considered from the perspective of relevant psychological literature. Interpretive essays and a research paper are required. The course stresses training in quotation, citation, and research methods. Offered periodically.

Prerequisite: EC II placement .

EL2206 Science Fiction Literature 4 cr.

Science fiction literature and film are often used to imagine utopian and dystopian worlds. At its best, the genre of science fiction raises questions about what makes a good society, the nature of being human, the role of the outsider, the challenges technological advances present, and gender and sexual norms. The course will examine fiction by authors such as George Orwell, Harlan Ellison, Samuel Delaney, Ursula LeGuin, Philip K. Dick, and Octavia Butler as well as films such as Blade Runner and The Matrix. Students will develop their ability to read and think critically and to write summaries, critical analyses and a research paper based on the course material. The course stresses training in quotation, citation, and research methods. Offered periodically.

Prerequisite: EC II placement.

EL2207 Contemporary American Fiction 4 cr.

Students will read and analyze short fiction by authors who reflect the diversity of contemporary American fiction, such as Raymond Carver, Alice Walker, Sandra Cisneros, Junot Díaz, Jhumpa Lahiri, Maxine Hong Kingston, Tim O'Brien, and others. Analysis of the short story will acquaint students with literary form and structure. Biographical and historical factors will be examined as influences on content and form. Interpretive essays and a research paper are required. The course stresses training in quotation, citation, and research methods. Offered periodically.

Prerequisite: EC II placement.

EL2208 Modern American Poetry 4 cr.

This lecture/discussion course will focus on trends and themes in modern American poetry in the context of the search for an American poetic voice. Poets range from Whitman to Walker and include Frost, Harper, Hughes, Komunyakaa, Sarton, Sexton, Wilbur, Wright, and others. Formal analysis and biographical factors are studied. Students will also become involved in "found poetry" and practice poetic forms. Interpretive essays and a research paper are required. The course stresses training in quotation, citation, and research methods. Offered periodically.

Prerequisite: EC II placement.

EL2211 Africana Perspectives 4 cr.

Explores recurring themes and modes of expression in the Pan-African world, ranging from the role of the oral tradition in traditional African societies to African-American rebellion as expressed in contemporary writing and music. Interpretive essays and a research paper are required. The course stresses training in quotation, citation, and research methods. Offered periodically.

Prerequisite: EC II placement.

EL2214 Literature and Liberation 4 cr.

Examines fiction, poetry, essays, and drama about class-economic struggle, war, and racial and sexual oppression. Through these kinds of literature, oppressed people have voiced their ideas on ethics, politics, and society, and other social groups have responded positively or negatively. The course stresses close reading of literature, understanding literary themes and techniques, reading in historical context, and training in quotation, citation, and research methods. Two or three short interpretations and a research paper are required. Offered periodically.

Prerequisite: EC II placement.

EL2216 Multicultural Perspectives 4 cr.

Works from writers of various cultures enable students to develop an understanding and appreciation of cultural diversity. Interpretive essays and a research paper are required. The course stresses training in quotation, citation, and research methods. Offered every year.

Prerequisite: EC II placement.

EL2218 The Short Story 4 cr.

A variety of short stories will be studied for theme and structure and other elements of fiction. Emphasis on the development of the short story in the context of literary movements, such as realism, naturalism, impressionism. Interpretive essays and a research paper are required. The course stresses training in quotation, citation, and research methods. Offered every year.

Prerequisite: EC II placement.

EL2219 International Short Stories 4 cr.

Students will read a variety of short stories by authors from around the world, including Russia, Kenya, Brazil, India, and Japan. Emphasis on character and culture, as shaped by social factors. Interpretive essays and a research paper are required. The course stresses training in quotation, citation, and research methods. Offered every year.

Prerequisite: EC II placement.

EL2221 Adolescent Literature**4 cr.**

Traces the patterns and problems of growing up in America and forming an identity in the context of family influence and social pressures. Authors include Twain, Salinger, McCullers, Baldwin, Marshall, Potak, Walker. Interpretive essays and a research paper are required. The course stresses training in quotation, citation, and research methods. Offered every year.

Prerequisite: EC II placement.

EL2222 Women's Voices**4 cr.**

This lecture/discussion course focuses on developing students' abilities to understand, analyze, and write about literature by women writers. Texts studied include essays, poems, stories, and novels by Emily Bronte, Emily Dickinson, Virginia Woolf, Flannery O'Connor, Gwendolyn Brooks, Toni Morrison, Alice Walker, June Jordan, and Maxine Hong Kingston. Students are required to write a reading journal, analytical essays, and a research paper. The course stresses training in quotation, citation, and research methods. Most writing is done outside of class. Offered every year.

Prerequisite: EC II placement.

EL2224 Autobiography**4 cr.**

This course deals with autobiography as a form of personal expression. It explores a major compulsion among writers to look back on their growth and examines the need to communicate the historic vision to the next generation. The interaction between the inner and the outer world, between the quest for personal freedom and the demands for social conformity provides for a vigorous examination of the process of individual growth. Interpretive essays and a research paper are required. The course stresses training in quotation, citation, and research methods. Offered periodically.

Prerequisite: EC II placement.

EL2233 Environmental Literature**4 cr.**

This lecture/discussion course focuses on developing students' abilities to understand, analyze, and write about the literature of natural scientists and other acclaimed authors. Included are works by Lewis Thomas, Henry David Thoreau, Carl Sagan, Paul Theroux, Isaac Asimov, and Rachel Carson. Interpretive essays and a research paper are required. The course stresses training in quotation, citation, and research methods. Offered Periodically.

Prerequisite: EC II placement.

EL2239 Horror Literature**4 cr.**

This course will explore common characteristics in the literature of horror and the supernatural. Works of Hawthorne, Poe, and Shelley will be in focus, as will some modern Gothic writers. Film and its comparison to the literature will be explored. Interpretive essays and a research paper are required. Offered every year.

Prerequisite: EC II placement.

EL2248 The Lyric: The Poetry of Emotion**4 cr.**

Known as the poetry of emotion, the lyric has been an important vehicle of expression for poets from ancient to present day cultures. The course explores lyrics from a cross-cultural perspective, focusing on the methods poets have employed in order to convey the private, emotional lives of their speakers to the "public," their audience of readers. In addition to studying the lyric, students will read and evaluate critical articles as well as compose reading journals and documented essays in response to the texts. The course stresses training in quotation, citation, and research methods. Offered periodically.

Prerequisite: EC II placement.

Courses for the English Major and Electives

EL2310 Introduction to Literature**4 cr.**

This course is aimed at developing students' personal responses to literature. The focus will be on specific literary genres such as poetry, drama, novel, short story, and non fiction prose. The readings will cover a variety of periods and cultures. Offered periodically.

Prerequisite: EC II placement.

EL2350 Reading and Writing for a Multicultural Community**4 cr.**

This course is a historical and contemporary examination of how immigration, race and ethnicity have helped shape both American national identity and personal identity. Students will explore the political, social, educational, and economic aspects of immigration with emphasis on how minority populations adapted to American culture, changing American culture in the process. This study explores the writing of activists, political leaders, authors, and other social reformers to discover how they used the written word as a vehicle for change. Students will read articles, speeches, memoirs, poems and short fiction and discuss the various societal issues that they would like to address through writing. Their work will reach audiences beyond their class and serve tangible purposes for community groups and the students themselves. Offered periodically.

EL3010 Structure and Grammar of English**4 cr.**

This course places formal English grammar in the context of the structure and development of the language. Devoting significant attention to the evolution of English and its overall structure, the course also offers intensive study of standard grammar, aimed at both Literature and Teaching students. Students study parts of speech, parts of the sentence, verb and pronoun forms and agreement, and the uses of phrases and clauses within sentences, and they learn to identify these in their writing and the writings of others. Offered every semester.

Prerequisite: EMS.

EL3200 Peer Mentoring Tutorial **4 cr.**

Students enrolled in Peer Mentoring Tutorial will work under the supervision of a faculty mentor and will, in turn, serve as mentor to selected students. Following an orientation seminar, student mentors will regularly attend an assigned class, assist students in and outside the class with papers, homework, course material, as well as serving as peer advisor. Student mentors will keep records of meetings with mentees, submitting written reports at regular intervals on each mentee. Mandatory attendance at scheduled Peer Mentoring Tutorial. Term report required. Offered every semester. Enrollment is limited to English majors and School of Education English concentrators, and requires permission of one faculty mentor.

Prerequisites: "B+" average, recommendation of faculty.

EL3500 Literature Across Cultures I: Analysis **4 cr.**

This course explores representative works of U.S. and international literature that find their roots in the world's multiplicity of cultures. The course emphasizes multiple strands and traditions both within world literary culture and within the literary cultures of the United States and other nations. Readings and discussions focus on the dominant themes in fiction, poetry, drama, and essays by writers of distinct national and ethnic identities, genders, and sexual orientations. The course also includes studies of writings about multicultural contributions to literature. Offered every semester.

Prerequisite: EMS.

EL3510 Literature Across Cultures II: Theory **4 cr.**

This course encourages diverse responses to important works of British-U.S. and World Literature. It fosters the skills of close reading and develops the confidence necessary for independent interpretation of literary texts. While studying each text, students read critical articles about them reflecting the approaches of "new criticism," biographical and psychoanalytic criticism, new historicism, feminism, queer theory, and other current methodologies. Small group discussions of study questions, oral reports, and writing assignments encourage students to read the texts specifically and respond to them independently. Offered every semester.

Prerequisite: EMS.

EL3560 Literatures of Europe, Part I: Old Testament and Homer to the Renaissance **4 cr.**

Covers the literary traditions of Europe from the Bible to the Renaissance. Works in these traditions have been foundational for most later writing in English, and for much modern World Literature. Selections vary by semester and have recently included works by Homer, Sophocles, Virgil, Dante, Milton, Shakespeare, and others. Offered annually.

Prerequisite: EMS.

EL3561 Literatures of Europe, Part II: Age of Enlightenment to the Present **4 cr.**

Surveys the literary traditions of Europe and its diaspora from the 17th to the 21st centuries. Works in these traditions have inspired modern U.S. and British as well as World Literature. Selections vary by semester; recently the course has included works by Moliere, Voltaire, Dostoevsky, Ibsen, Kafka, Pirandello, Becket, Borges, Camus, and others. Offered annually.

Prerequisite: EMS.

EL3600 U.S. Literature I—Colonial Period to Civil War **4 cr.**

Poetry, fiction, essay, and memoir from the colonial period to the U.S. Civil War. Examines significant works representative of Puritanism, the Enlightenment, Romanticism, the "American Renaissance," Transcendentalism, the voices of Native Americans and women, and the literature of Abolitionism as examples of a developing literary nationalism and as expressions of a multicultural society's development and struggles. Authors may include William Bradford, Anne Bradstreet, Benjamin Franklin, Phillis Wheatley, James Fenimore Cooper, Richard Allen, Edgar Allan Poe, Nathaniel Hawthorne, Herman Melville, Ralph Waldo Emerson, Frances E. W. Harper, Frederick Douglass, John G. Whittier, Walt Whitman, William Wells Brown, and others. Offered every Fall.

Prerequisite: EMS.

EL3610 U.S. Literature II—Civil War to the Present **4 cr.**

Poetry, fiction, drama, essay, and memoir from the U.S. Civil War to the present. Examines significant works representing realism, naturalism, modernism, and postmodernism in literary technique and responding to the evolution and tensions of a multicultural society, including the labor, immigration, civil rights, feminist, and lesbian-gay experiences. Authors may include Mark Twain, Emily Dickinson, Henry James, Charles Chesnutt, W.E.B. Du Bois, Sui Sin Far, Willa Cather, Edith Wharton, Langston Hughes, Zora Neale Hurston, Ernest Hemingway, William Faulkner, Richard Wright, Tennessee Williams, Ralph Ellison, Gary Soto, August Wilson, Oscar Hijuelos, Louise Erdrich, Toni Morrison, Audre Lorde, Thom Gunn, and others. Offered every Spring.

Prerequisite: EMS.

EL3700 Survey of World Literature **4 cr.**

A study of representative works of world literature from Antiquity to the Modern. The course emphasizes the study and consideration of the literary, cultural, and human significance of selected masterpieces of the Western and non-Western literary traditions. An important objective of the course is to promote an understanding of the literary works in their cultural/historical contexts and of the enduring human values which unite the different literary tradi-

tions of the world. This course complements EL3560–61, Literatures of Europe Parts I and II, and so focuses largely on literatures of the non-Western world. Offered every year.

Prerequisite: EMS.

EL3800 English Literature I: Beowulf to 18th Century, inclusive of Shakespeare 4 cr.

A survey course examining the works of major English writers from the Anglo-Saxon period through the 18th century, including the Beowulf poet, Chaucer, Shakespeare, Milton, and Swift. Attention paid to their influence on later writers. Offered every Fall.

Prerequisite: EMS.

EL3810 English Literature II: Romantics to Present 4 cr.

A survey course studying major English writers of the 19th and 20th centuries from the romantic and Victorian periods to contemporary times. Authors may include Wordsworth, Keats, Brontë, G. Eliot, R. Browning, Hardy, Woolf, Joyce, Shaw, and Yeats. Attention paid to their influence on later writers. Offered every Spring.

Prerequisite: EMS.

EL3865 Literature of Asia 4 cr.

This course focuses on the reading and discussion of a number of literary masterpieces, both traditional and contemporary, drawn from the cultures of China, Japan, and India. The range of works presented will provide foundation for considering the influence of history and religion on literature, as well as the ways in which literature shapes culture. Offered periodically.

Prerequisite: EMS.

EL3870 Literatures of Africa 4 cr.

Presents a series of masterworks from African literature and its diaspora against the background of traditional culture, social values, and historical experience. The techniques used by African wordsmiths to evoke their society are examined, beginning with traditional epic oral literature and finishing with the sophisticated works of some of the world's finest writers. Works by Soyinka, Fugard, Césaire, Achebe, Senghor and others. Offered annually.

Prerequisite: EMS.

EL3880/ML3480 Masterpieces of Hispanic Literature 4 cr.

Selections of outstanding literary works of Spain and Latin America from the picaresque novel to the present. Study includes major writers: Cervantes, Lorca, Unamuno, García Márquez, and others. Given in English. Offered periodically.

Prerequisite: EMS.

EL3901 Introduction to Creative Writing 4 cr.

Workshop to help imaginative students get their thoughts on paper. Assignments are short and personal, designed to break through "writing block" and uncover talent that might otherwise be neglected. Attention is given to literary forms and terminology. Offered every semester.

Prerequisite: EMS.

EL3930 Language and Communications Skills for Educators: Issues and Applications 4 cr.

This course deals with contemporary issues of importance to those contemplating a profession in the field of education. It places special emphasis on improvement of reading, writing, and listening skills, making use of timely professional journal articles as a text. Topics include Writing Across the Curriculum, Standards and Assessment, Classroom Management and Initiation into Professional Life. Reading and discussion of the articles, analysis of grammatical structure, the development of writing skills for the classroom and for achieving success on State exams, and improvement of public speaking to be a successful public educator will be stressed. This course may be required as a condition of satisfying the writing entrance requirement in the School of Education. Offered periodically.

Prerequisite: EMS.

EL3950 Creative Non-Fiction 4 cr.

Introduces students to the tradition of creative non-fiction, using readings and writing assignments in which students "adopt" an authorial voice. Students will compare and contrast standard news accounts of an event with creative non-fiction versions in order to see how literary techniques re-define history. Students will analyze and apply different aesthetic strategies for writing creative non-fiction. Some of the authors we will cover are James Baldwin, Alice Walker, Ocatvio Paz, Charles Baudelaire, Grandmaster Flash and the Furious Five, Ai. Offered periodically.

Prerequisite: EMS.

EL4000 Native American Literature 4 cr.

This course explores Native American literary styles such as autobiography and as-told-to narrative from oral traditions as well as contemporary genres: poetry, short fiction, the novel and drama. Special emphasis on structural and thematic elements provides students with an understanding of the Native American world view. Offered periodically.

Prerequisite: EMS.

EL4010 The Harlem Renaissance 4 cr.

The Harlem Renaissance of the 1920's decade produced an unprecedented outpouring of artistic works in the literary, visual, and musical arts. From lectures, close textual analysis of assigned readings, student-centered discus-

sions, and oral reports, the class will become familiar with major themes and key writings of Harlem Renaissance authors. Attention will be paid to the struggles of the "New Negro Woman" in her attempt to find a voice during the period. Offered periodically.

Prerequisite: EMS.

EL4015 Multi-Ethnic Literatures of the United States 4 cr.

Asian American, Latino, and Native American Literatures play an increasingly important part in the multi-ethnic literary traditions of the United States. This course offers an introduction to one or more of these literatures. Readings include both classic and present-day works in varied genres. The course will include attention to historical contexts, cultural and political meanings, and aesthetic qualities of the literatures. Coverage may vary in different offerings of the course. Offered periodically.

Prerequisite: EMS.

EL4020 Asian American Literature 4 cr.

This course examines memoirs, stories, novels, essays, poems, dramas, and films from the 1890s to the 1990s, by Americans of diverse Asian descent, such as Sui Sin Far, Younghill Kang, Carlos Bulosan, Maxine Hong Kingston, John Okada, Hisaye Yamamoto, Amy Tan, Chang-Rae Lee, and Bharati Mukherjee. Attention will be paid to the historic, biographical, and cultural contexts of each text as well as the aesthetic and literary aspects of its style, language, and structure. Offered periodically.

Prerequisite: EMS.

EL4030 Women and Narrative 4 cr.

This course examines novels, stories, letters, journals, poems, essays, and autobiographies by such women as Dorothy Wordsworth, Emily Dickinson, Charlotte Forten, Virginia Woolf, Nella Larsen, Alice Walker, Gloria Anzaldúa, and Maxine Hong Kingston. Each student will select the work of one writer for a research paper. Offered every year.

Prerequisite: EMS.

EL4040 Black Women Writers 4 cr.

African-American Women Writers introduces students to the themes of social justice that are specific to this literary tradition. The course alternates between reading primary texts and providing the needed historical backdrop. Of the many ideas to be covered a few will be: love, the claiming of one's body, the dual oppression of being a woman and black and the tug-of-war of loyalty. The course may discuss nineteenth and twentieth century writers in comparative perspective, or may focus on recent major authors such as Toni Morrison, Alice Walker and Lorraine Hansberry as well as lesser known writers like Gayle Jones and Toni Cade Bambara. Offered periodically.

Prerequisite: EMS.

EL4050 Lesbian and Gay Literature 4 cr.

This course primarily focuses on the emergence of gay, lesbian, and transgender literature and culture from the mid-twentieth century to today. Students will read works from various genres, including novels, stories, drama, poetry, and memoirs, and will also watch documentaries. Topics covered include homophobia, coming out, the gay rights movement, lesbian feminism, AIDS, and transgender. Authors may include James Baldwin, Audre Lorde, Adrienne Rich, Essex Hemphill, Tony Kushner, Jeanette Winterson, Leslie Feinberg, and others. Offered periodically.

Prerequisite: EMS.

EL4060 Literature of Class and Class Consciousness 4 cr.

Class represents a largely unacknowledged "culture" coexisting and interacting with others such as ethnic cultures, women's experience, and lesbian/gay culture. This course looks at fiction, poetry, and drama about class and class conflict, primarily by writers from working-class backgrounds. Examining class and class consciousness, and the interaction of class and race in the U.S., we will explore how literature has been a medium for members of oppressed groups to voice their experiences, world views, and demands, and also for members of more privileged groups to respond to social change. Offered periodically.

Prerequisite: EMS.

EL4070 Topics in African American Literature 4 cr.

This course will give an in-depth look at a particular period or genre of African American literature. Topics are offered on a rotating basis. They may include African American Literature 1860-1920; African American Women Writers since the Harlem Renaissance; the "Social Realist" School (for example, Wright, Petry, Killens, Himes); the Black Arts Movement; and others. Offered periodically.

Prerequisite: EMS.

EL4080 Extraordinary Bodies: Disability in Literature 4 cr.

This course will examine how the depiction of bodily difference in literature leads to crucial questions about normative experience, language, and identity. The course will study the representation of extraordinary bodies in several literary genres autobiography, poetry, fiction, and drama. While some attention will be given to constructions of disability throughout literary history, the particular focus will be on more recent texts written by writers with disabilities who take up the project of identifying themselves outside of "ablist" terms. Offered periodically.

Prerequisite: EMS.

EL4090 The Afro-American Novel 4 cr.

The exploration of the socio-cultural forces shaping the African-American novel from its earliest antecedents through Wright and Baldwin to its contemporary efflorescence in the works of Toni Morrison, Charles Johnson, Edward P. Jones, and others. Some cross-cultural comparison with African and Caribbean novelists will be made. Titles may vary from semester to semester. Offered periodically.

Prerequisite: EMS.

EL4091 Afro-American Poetry and Plays 4 cr.

Beginning with the work of Phillis Wheatley in the 18th century, this course explores the dominant motifs in African-American poetry, with special focus on the work of Langston Hughes and Gwendolyn Brooks. The second half of the course is devoted to a survey of African-American drama during the Harlem Renaissance, and culminates in an in-depth analysis of the work of Amiri Baraka, Charles Fuller and August Wilson. Offered periodically.

Prerequisite: EMS.

EL4100 English Internship 4 cr.

Designed to provide majors with grounding in their careers, English Internships are available in a number of specializations, where students work with successful mentors at work sites: Legal Internships in courts and law firms, Publishing Internships in publishing houses, and Cultural Internships in cultural institutions. Enrollment is limited to English majors and requires permission of the chair.

Prerequisites: EMS, "B+" average, and approval of the Chair.

EL4120 Internship in Peer Tutoring in Language Arts 4 cr.

The internship in peer tutoring deals with the methodology and content of peer tutoring in language arts. Units include communication skills for language arts tutoring, the tutoring cycle, record-keeping, referrals, evaluating writing, the use of computers in tutoring, small group tutoring, long-range and short range goals, resources for language arts tutoring. Enrollment is limited to English majors and School of Education English concentrators and requires permission of the chair.

Prerequisites: EMS, "A-" average, and approval of the Chair.

EL4200 Biblical/Classical Influences on Multicultural Literature 4 cr.

The Jewish-Christian Bible, Greek epic and drama, and classics such as Dante's Divine Comedy profoundly influenced later literature and culture, including U.S. and British multicultural literature. This course covers some of the background that multicultural writers such as James Baldwin, Toni Morrison, William Faulkner, and others took for granted in their works. We will examine how these classics shaped later culture through both glorification and criticism of war, conquest, and slavery, through ideas of fate and individual and community salvation, and through examining the problem of evil. Readings include classic works and modern works influenced by them. Offered annually.

Prerequisite: EMS.

EL4300 Twentieth-Century Literature: Colonialism and Post Colonialism 4 cr.

This course explores selected works of US and British literature in the context of the twentieth-century history of imperialism, colonialism, and post colonialism. We shall read writing from the first half of the century by such authors as W.B. Yeats, Gertrude Stein, Wilfred Owen, Ernest Hemingway, and Sylvia Townsend Warner and its development and critique in works by Zora Neale Hurston, Samuel Beckett, Tim O'Brien, Toni Morrison, Jhumpa Lahiri, and Zadie Smith. Offered periodically.

Prerequisite: EMS.

EL4311 Greek Drama 4 cr.

The art of drama is one of the legacies of Greece to Western culture. In this course, the development of Greek tragedy and comedy is discussed; plays by Aeschylus, Sophocles, Euripides, and Aristophanes are read as well as 20th century dramas based on these 5th century works. Some attention is also given to the criticism of Greek tragedy by Plato and Aristotle. Offered periodically.

Prerequisite: EMS.

EL4312 Greek Mythology 4 cr.

This course aims to introduce students of widely differing backgrounds and academic preparation to Greek mythology. In addition to Homer's Odyssey which is read in its entirety, students read Hesiod's Theogony and other original source materials. The acquisition of knowledge of the myths paves the way for discussion of the following topics, among others: psychoanalytic and other interpretations of Greek myth, recurrent themes in myth, the relationship between myth and folktale, the transformation of myth by writers and artists, and the role of myth in a scientific and technological society. Offered every semester.

Prerequisite: EMS.

EL4325 Shakespeare: Selected Plays 4 cr.

Selected plays by Shakespeare will be read and examined critically and analytically through discussion of these works and of the historical context of the Elizabethan theater and world view. The focus will also be on the richness and variety of Shakespearean language and thought. Study includes close reading of some well-known Shakespearean tragedies and comedies as well as viewing of plays on film. Offered periodically.

Prerequisite: EMS.

EL4400 Critical Theory **4 cr.**

Critical theory is perhaps the fastest-growing field of English study since 1980; students entering graduate programs in English now need to have knowledge of the subject. This course will include such classical theorists as Plato and Aristotle but will focus mainly on twentieth-century theory, from the “new” criticism of the 1950s through structuralism, deconstructionism, new historicism, and feminist historicism to current postcolonialist and queer theory. Offered periodically.

Prerequisite: EMS.

EL4405 Caribbean Literature **4 cr.**

Literature of the Anglophone Caribbean, from oral song and James' Minty Alley to Naipaul, Walcott, and writers of the Caribbean diaspora. The complexities of the relationship between colonizer and colonized, the transformation of that relationship by “the unmasking of imperial fictions,” and the evolution of new forms of discourse will govern the selection of texts. Offered periodically.

Prerequisite: EMS.

EL4500 Topics in British/U.S. Literature **4 cr.**

This course gives in-depth knowledge of particular periods and genres of literature; topics are offered on a rotating basis. They may include nineteenth-century British fiction; periods and genres in U.S. literature; seventeenth- and eighteenth-century British literature; women writers 1760-1840, and others. Offered periodically.

Prerequisite: EMS.

EL4510 Modern Drama and Theater **4 cr.**

This course will involve reading and viewing critically and analytically plays dealing with important themes and political issues from the late nineteenth century to today. Students will learn to see the theater as a social institution, a form of communication, a means of consciousness-raising, and a site for artistic innovation. Plays may include works by Henrik Ibsen, G.B. Shaw, Eugene O'Neill, Eugene Ionesco, Tennessee Williams, Arthur Miller, Lorraine Hansberry, Edward Albee, Amiri Baraka, August Wilson, David Henry Hwang, Tony Kushner and Anna Devereaux Smith. Class will likely take at least one trip into Manhattan to see a live performance. Offered periodically.

Prerequisite: EMS.

EL4550 Modern British Literature 1890 – 1960 **4 cr.**

Selected works of several writers in English such as Conrad, Shaw, Yeats, Joyce, Eliot, Lawrence, Woolf, O'Casey, and others, who greatly influenced the literature and the thought of the twentieth century. Offered periodically.

Prerequisite: EMS.

EL4560 Multicultural British Literature since 1960 **4 cr.**

Although the global British Empire came to an end in the twentieth century, the literature of Great Britain became increasingly diverse. Waves of immigrants from former parts of the empire, the anti-immigrant fervor of the 1970s-1980s and its backlash, the women's rights movement, and the continued and often quite creative re-examination of the literary tradition set the stage for the emergence of a provocative body of works reflecting the multicultural nature of contemporary Britain. This course will examine works of poetry, drama, fiction and non-fiction that illustrate the diversity of British literature over the past fifty years. Course material may include works by Philip Larkin, Jean Rhys, Seamus Heaney, Salman Rushdie, Kureishi, Zadie Smith, Grace Nichols, Jeanette Winterson, Ian McEwan and Monica Ali. Offered periodically.

Prerequisite: EMS.

EL4600 Literature of India **4 cr.**

Indian tradition regards literature as a way of knowledge as well as aesthetic experience. Through examples of the major epics, classical poetry and drama, the medieval devotional lyrics, and samples of modern Indian literature, this course aims at providing the students an opportunity to gain awareness of the values and attitudes that have shaped the culture of the Indian subcontinent. Offered periodically.

Prerequisite: EMS.

EL/ML4630 Latin American Literature **4 cr.**

This course emphasizes key literary movements in Latin America since the conquest. We will examine pre-Columbian texts together with the description of the Americas by early European gaze. We will analyze the collision of cultures, the baroque, romanticism and independence, ideas of Civilization and Barbarism, modernism, the avant-garde and magical realist movements. We will study European and African influences on Latin America letters and how these influences evolved into a Latin American expression. Finally, we will analyze how Latin America became a leading authority in world literature. Offered periodically.

Prerequisite: EMS.

EL4640/ML4645 French Literature **4 cr.**

This survey course is intended to serve as an introduction to French literature from the French classical age, in the 17th century, to the present time. Students will be guided through the reading and analysis of narrative fiction, plays and poems by major French writers so as to develop an understanding of the aesthetic and intellectual currents that have shaped French literature. Readings will be organized around thematic modules rather than

in chronological order. Topics may include: representations of the self; stories of love and desire; the making of modernity; tradition and experimentation; social reflections; colonialism and post-colonialism, among others. Offered periodically.

Prerequisite: EMS.

EL4650 Literature of Russia and Eastern Europe 4 cr.

This course is a sampling of the wonders of the Russian literary imagination, or, as Vladimir Nabokov might say, of its peculiar magic. No other literature has so influenced literature and thought in the rest of the world; perhaps no other national literature has produced so many world masterpieces in so short a time, the 185 years or so since Alexander Pushkin's first publication. Russian literature is unique in its engagements with the social world, as Russia has gone through two centuries of political struggles and revolutions, but it also explores the privacy of the human heart and the giant questions of philosophy and religion. The course devotes roughly equal time to 19th and 20th century literature and, in most offerings, will include some literature from Russian-influenced countries in Eastern Europe. Offered periodically.

Prerequisite: EMS.

EL4800 Major Authors 4 cr.

This course examines the development of one or more authors, tracing key themes, influences, shifts and continuities, and aesthetic development in the context of cultural and political forces. Authors are selected on the basis of having made landmark contributions to the continuing development of literature. Recent offerings have included James Baldwin, William Blake, Ralph Ellison, William Faulkner, F. Scott Fitzgerald, Toni Morrison, Mary Shelley, Mary Wollstonecraft, and Virginia Woolf, and others may be selected in the future. Offered every semester.

Prerequisites: EMS, Completion of EL3500 and EL3510. Previous 4000 level English courses strongly advised.

EL5000 Senior Seminar I: Research and Writing 4 cr.

Autobiographical and biographical works focusing on intellectual development aid students in understanding issues of personal and career identity, the impact of literary study on the formation of self, and related topics. Classwork stresses research and documentation skills and participation in a seminar setting in which each student presents some independent research to the class. In preparation for the senior thesis, students compose their own intellectual autobiographies tracing their growth and development as English majors. Students must complete a senior thesis proposal to pass the course. Offered every semester.

Prerequisites: EMS, Senior standing. Completion of a minimum of 20 to 24 credits in the English major strongly advised.

EL5010 Senior Seminar II: Thesis 4 cr.

Under supervision of seminar director, students complete the senior thesis from sequential, critiqued drafts to finished manuscript. Students work intensively with a Thesis Director. Seminar sessions continue development of research and writing skills stressing the integration of research within the student's own analysis and presentation. Sessions include collaborative readings of work in progress, peer review, oral reports, and presentation of senior thesis. Offered every Spring.

Prerequisites: EMS, Completion of EL5000.

FIRST-YEAR SEMINAR COURSES

All course offerings are contingent on budgetary allocations, faculty resources and enrollment figures and, unless otherwise indicated, are offered in accordance with student demand.

COMMUNITY ACTION, LEARNING AND LEADERSHIP COURSES

CL1000 Introduction to Community Learning 1 cr.

This course introduces students to community-based learning and action, challenging them to confront the big questions facing the world today by participating in and reflecting upon civic engagement activities. The goal of this class is to foster active learning, to promote intercultural understanding, and to build academic, interpersonal, organizational and leadership skills.

CL2000 Community Learning Seminar and Placement 2 cr.

This course integrates community-based learning and action into the first-year curriculum, challenging students to confront the big questions facing the world today by participating in and reflecting upon civic engagement activities. Students are engaged both personally and intellectually at the very beginning of their academic journey in structured service-learning activities and reflective projects, introducing them to Old Westbury's social justice mission and encouraging their college and community involvement. By integrating academic study with field experience, this first-year civic engagement course provides an analysis of social issues while addressing

real community needs. The goal of this class is to foster active learning, to promote intercultural understanding, and to build intellectual, interpersonal, organizational and leadership skills. In addition to meeting once a week in class, students participate in a 50 hour service-learning placement, based upon the particular seminar and linked course content and objectives. Students will be expected to attend mandatory workshops and campus events. CL2000 is linked to a Liberal Education Curriculum course, whose section is designated CL, and introduces first-year students to the OW CALL Program.

CL3000 College and Community

2-4 cr.

College and Community is an advanced Community Action, Learning and Leadership (CALL) course. Students engage more deeply in community-based action and reflective projects that promote a critical analysis of social issues and an understanding of the responsibilities of global citizenship. Students volunteer for 80-140 hours (depending upon course credit) in community placements, here and abroad, with CALL partner organizations, based upon their academic, career and social justice interests.

FY1000 Ethics of Engagement

4 cr.

This course introduces students to academic and campus life at Old Westbury, emphasizing the themes of self-discovery, the meaning of a liberal education, the relationship of the individual to society and the nature of values and of personal and social responsibility. By situating the major intellectual and emotional challenges students confront in their first year of college within the framework of ethics, the course encourages students to evaluate their ideas and assumptions, and the impact of their decisions on themselves, their community and the world.

Organized around a series of ever-widening concentric circles, the course moves from a discussion of the role of ethics in individual life, to ethics in personal relationships, to ethics in the Old Westbury community and culminates in the quest for social justice and sustainability in the American and global context. In the process, students are challenged to consider multiple perspectives and to reflect upon their identities, values and aspirations within the larger common good. The course fosters critical thinking and the effective articulation of ideas by introducing students to the close reading of texts and the writing of substantive analytical essays that are the basis of most college learning. Students will also be expected to write weekly reflective journals and to produce a final project. FY1000 is "linked" to a Liberal Education Curriculum course in a Learning Community.

Corequisite: A "linked" Liberal Education Curriculum course will be required.

FY3000 Undergraduate Teaching Assistant Seminar

4 cr.

This course trains students to be effective teaching assistants. Teaching assistants will regularly attend an assigned section of a First-Year Seminar course and work closely with the instructor of the course. Teaching assistants will also be required to attend a one-hour a week seminar with either the Director or Assistant Director of the First-Year Experience.

Prerequisite: "B" average; upper-division standing; permission of the First-Year Experience Program

FY4000 Advanced Undergraduate Teaching Assistant Seminar

4 cr.

This course allows students who have taken FY3000 to work more closely with students. They are able to provide mentoring, advising assistance as well as sharing their prior experience from the FY3000 students. Teaching assistants are required to meet with either the Director or Assistant Director of the First-Year Experience for a one-hour a week seminar.

Prerequisite: FY3000 and permission of the First-Year Experience Program

HISTORY AND PHILOSOPHY COURSES

Skills Recommendations

Unless otherwise indicated, the following writing skills levels are levels for the designated course levels:

<u>Skills Level</u>	Course Level
EC I 2000	
EC II 3000	
EMS 4000, 5000	

HI1010 World Religions – West

4 cr.

This course provides an introduction to the three major religions that share a common belief in the God of Abraham: Judaism, Christianity, and Islam. We will look at the history, beliefs, and practices of each religion separately, but also at the ways they have interacted. These interactions—sometimes peaceful and creative; sometimes violent—have been a major shaping force in Western civilization, from the development and transmission of Greek philosophy through the Crusades, the Holocaust and the ongoing definition of "Western values." Study of Judaism, Christianity, and Islam leads to a deepened understanding of principles of theology and ethics, as well as current issues in religious and community life.

- HI1020 World Religions – East** 4 cr.
It is often said that what is needed in modern life is more “spirituality”—a balance of inward and outward awareness that is often associated with eastern religions. But what do these traditions really mean for people who practice them? This course provides an introduction to the major belief systems and practices of eastern and southern Asia: Hinduism, Buddhism, Confucianism, Taoism, and Shintoism. We will look at the evolution of each of these religions, considering the ways they have inspired individuals and shaped civilizations through cosmology, ritual, literature and art. We will also look at the ways that these traditions influence societies, including our own, that are far from the religions’ places of origin.
- HI1240 Comparative Cultures** 4 cr.
This course will provide the student with a foundation for the study of cultures and current social issues from an anthropological perspective. Readings will include articles and, where appropriate, fiction, concerning such issues as gender, race, and class, as well as the tensions and opportunities facing traditional communities, such as tribal societies, in a changing world. Offered annually.
- HI2155 Introduction to Comparative Religion** 4 cr.
Considers the nature and origin of religion, elements of religious practice and thought (symbol, myth, the sacred), ways of being religious, and religion as a basis of community. Methods of analysis include ethical, psychological, sociological, historical, and theological. Offered periodically.
- HI2200 Science in Western Civilization** 4 cr.
A broad, introductory survey of the development of scientific ideas in the West from ancient times to the 20th century, with an emphasis on the major figures and ideas, and key turning points. The course will present selective social and intellectual contexts of science as well as the role of science in shaping Western thought. Offered annually.
- HI2250 Introduction to the Humanities** 4 cr.
What does it mean to be human? What is our place in the scale of being? How have we confronted and how do we now confront the issues of life and death, justice and law, knowledge and truth? This course will deal with these and other basic problems of the human condition, although the particular approach will vary with instructor. Through the close reading of basic texts in the humanities, students will be introduced to some traditional and contemporary approaches to these questions and will have the opportunity to explore and express their own views on these issues. Offered annually.
- HI2511 World History I: The Non-Western World** 4 cr.
The first semester of a year long sequence in World History, this course surveys the history and culture of five regions of the world: the Middle East, sub-Saharan Africa, China, India and Japan. Our goal is to gain an understanding of each country’s/culture’s place in world history both in the past and in the present. To that end we will study maps and regional geographical features, survey crucial historical periods and events and study short selections from religion, philosophy and literature. In the last section of the course, student reports will focus our attention on each civilization’s unique contributions to the history of our world. Offered annually.
- HI2521 World History II: Western Civilization** 4 cr.
This course will explore the origins, dynamics and development of Western Civilization. Emphasis will be given to the shaping of political, economic, social, religious, intellectual as well as cultural aspects from the dawn of the West to the Renaissance. In particular, the course will examine the civilizations of the Near East, Egypt, Greece, Rome, Byzantium as well as the making of feudal society and the rise of modernity in the West. Students will understand the heritage of the West and its connection with modern times. Offered annually.
- HI2681 Introduction to European History: 1350-Present** 4 cr.
A systematic survey of European political, social, economic, cultural and intellectual history since the Renaissance. The course provides the student with the story of the origins, the pre-conditions, and the continuity of the “making” of the new Europe up to the present. Topics include the age of discovery, nation building, despotism, romanticism, nationalism, science and technology, ideologies and revolutions. An excellent basis for the further study of European history in upper-division courses. Offered annually.
- HI2700 Introduction to Logic** 4 cr.
This course is designed to sharpen the student’s analytical abilities and powers of reasoning and argumentation. Topics will include types of argument, the structure of argument, how to recognize arguments that are emotionally persuasive but logically fallacious, and the fundamentals of modern, symbolic logic which is the basis for computer languages. The course will stress the practical value of the principles taught and will relate class work to communication skills in general. Offered annually.
- Prerequisite: ECII.*
- HI2720 Introduction to Philosophy** 4 cr.
Serves as an introduction to the role of philosophy in human life. Philosophy will be examined in terms of both its analytical and speculative functions. Of concern will be the relation of philosophical insights to certain compelling contemporary issues. Some of the issues discussed will be the nature of knowledge and truth, the relation of values (both moral and aesthetic) to society, free will, and justice and society. Readings will be drawn from classical and contemporary philosophers. Offered every semester.

HI2810 Geography, Earth, and People 4 cr

Geography sits at the interface between people and their physical world. This course explores this interface by looking at three key elements of the discipline: Mapping, Physical Geography and Socio-Cultural Geography. In the first half of the course, students learn basic concepts and methods to read and make maps and explore the forces making landforms and landscape. In the second half, students make use of these skills and concepts to explore the diversity of human interactions with the physical world. Using the concept of "region," students are introduced to social and physical factors defining world regions as well as the connections that bind these regions together. Offered annually.

HI3002 Rise of Reason: The Classical Origins of Western Culture 4 cr.

An introduction to the Greek and Roman origins of Western civilization. This course aims, through a critical study of the works of the greatest minds and literary artists of Greece and Rome, to give an understanding of their contributions to western culture, to provoke thinking on basic problems of human experience, to develop literary taste and judgment, and to improve skills in oral discussion and written analysis. Readings are drawn from the following major genres: epic, tragedy, history and philosophy. Offered annually.

HI3011 Foundations of the Judeo-Christian Tradition 4 cr.

Western civilization is often characterized as the dynamic interplay of two cultural traditions referred to in convenient shorthand as "Athens and Jerusalem." This course will examine "Jerusalem": the text, figures, themes, and ideas that have defined the Judeo-Christian tradition. The course will emphasize the reading of the Biblical text itself beginning with Genesis and ending with selections from the Pauline tradition. Offered annually.

HI3021 Europe in the Middle Ages 4 cr.

Western values and institutions were formed in the medieval synthesis of Greek philosophy, Roman law, Hebrew/Christian religion, and Germanic folk culture. This course explores the cultural products of that synthesis in art, literature, and religion, and examines the roots of western attitudes toward race, class, nationalism, and war. Taught as social history, it emphasizes the economic and political context in which the cultural foundations of the modern West were forged. Offered annually.

HI3030 From God to the Machine: Europe from the Sixteenth to the Eighteenth Centuries 4 cr.

The course will conduct a broad-based examination of the development of the modern mechanistic world-view. Topics will include the Scientific Revolution and Enlightenment, the series of political revolutions that moved Europe from Divine-Right Monarchy to Constitutional Democracy, and the socioeconomic transformations wrought by the Industrial Revolution that moved the mass of Europeans from an animate natural environment to a mechanistic urban milieu, creating the conditions in which reason replaced faith as the common sense of the common man. Offered annually.

HI3040 Analysis of Culture 4 cr.

Exploration of the role of culture in shaping human action and experience. Various approaches to the explanation of culture are considered in the context of the development of social science. Students learn to interpret their own culture and other cultures as systems of knowledge and value. Especially important are the ways culture conditions the effects of social forces in daily life. Offered annually.

HI3080 Asian Cultures 4 cr.

An introduction to the historical and cultural traditions of India, China and Japan. This course invites students to explore the major traditions, ideas, values and social systems that shaped the lives of the peoples of these three Asian countries in the past and that continue to do so today. Students are encouraged to explore their reactions to these unfamiliar ways of life while, at the same time, gaining the ability to view each civilization and culture from its own perspective. Offered annually.

HI3091 African Cultures 4 cr.

An exploration of African civilization, concentrating on the systems of ideas, values, and institutions developed by Sub-Saharan peoples in the context of their historical experience. The unity and diversity of African cultures are related to the economic, political, and social forces operating upon them in relation to the contemporary search for African self-determination. Offered annually.

HI3102 Hispanic Heritage 4 cr.

Taught in English. The Moorish (Muslim) invasion of the Iberian Peninsula in 711 AD, together with the growing presence of Jewish culture and religion in the Iberian Peninsula (Spain and Portugal), transformed the history and culture of the region in ways that are still visible today. Spain's world-view, religion, artistic and intellectual expression, architecture, and most importantly its language, are a result of that cross-cultural evolution that started more than twelve centuries ago. This course will explore the pivotal role played by Spain in modern European history and culture. Topics, such as the Counter Reformation, the Inquisition, the "Golden Age," the "merging of cultures" as a result of Spain's conquest of the New World, and modern Imperialism will be studied and analyzed as part of the Western tradition. Offered every fall.

HI3110 Latin American Culture 4 cr.

This history of the Latin American countries is studied from its origins through today. Topics explored include the Amerindian cultures, European conquest and colonialism, African slavery, revolution and independence, "caudillismo" and dictatorships. These topics will be studied through the use of maps, films and literature. Offered annually.

- HI3130 The Black Church in America** 4 cr.
 This course examines the development of the Black Christian Church in its visible and "invisible institutional forms during the colonial period, and the merging of these two branches, free and slave, following the Civil War. Also the emergence of Holiness and Pentecostal sects, the impact of urban migrations on black spiritual expression, the Black church and civil rights, gender issues, and the recent challenge of Islam will be dealt with.
- HI3200 Contemporary Religious Experience** 4 cr.
 This course introduces students to the major forms of religious worship and practice in the world today. Videos and field trips as well as readings will be used to develop insights into the distinctive features of worship in various branches of well-defined world religions—Christianity, Islam, Hinduism, and Buddhism—as well as less known or less defined paths such as Sikhism, Rastafarianism, and traditional Caribbean and North American traditions. In addition to exploring distinctions and influences, we will consider the nature of worshippers' experiences of their faiths. At least one semester of academic study of religion is recommended as a prerequisite for this course.
- HI3223 Buddhism** 4 cr.
 This course offers an introduction to the historical, socio-cultural, and philosophical dimensions of Buddhism. It begins with the founding of the religion in India by Gautama Buddha and proceeds to trace its many philosophical trajectories and its multi-cultural history extending throughout Southern and Eastern Asia and beyond. The second half of the semester focuses on the Mahayana Buddhist tradition as a case study in the "attaining of enlightenment" by ordinary individuals, analyzing how this tradition has been shaped by historical and cultural forces as well as how it may apply to contemporary issues in our increasingly globalized world. Offered periodically.
- HI3455 Modern European Revolutions** 4 cr.
 A comprehensive analysis of Europe's most dramatic revolutions that have fundamentally transformed modern life. The course will focus the French Revolution, the Revolutions of 1848, the Paris Commune, and the Russian Revolution. The ideological and socio-economic background of each revolution will be examined in the context of Europe's larger cultural, social, and economic development. Offered periodically.
- HI3525 Ancient Greek Philosophy** 4 cr.
 An historical introduction to the foundations of Western thought in Ancient Greece and Alexandria. The course focuses on the philosophies of the pre-Socratics, Plato, Aristotle, the Stoics, the Epicureans, and the Neoplatonists. Readings include short selections from the corpus of the Platonic dialogues, Aristotle, and Plotinus. Offered periodically.
- HI3558 Classical Greco-Roman History** 4 cr.
 This course will develop an appreciation and understanding of the history of Classical Greek and Roman civilization. It will survey various aspects of society beginning with the early Minoan and Mycenaean civilization and ending with the fall of the Western Roman Empire. The course goals are for students to learn the historical and cultural framework of Greek and Roman civilizations; to understand the social, ethical and religious setting as well as the philosophical thought of the time; to comprehend geographical locations, the names of prominent people in history and their political and military contributions as these influenced both their times and today; to explore the relationship of Greco-Roman civilization to neighboring civilizations to the east and the peoples to the north; and to apply critical and creative thinking to the study of ancient leaders and extrapolate what can be learned from their life experiences. Offered annually.
- HI3600 Global Geography: People, Places and Environments** 4 cr.
 This course develops a human geography approach to a diversity of political economic and cultural topics of global importance from an international, cross-cultural and historical perspective. It highlights the roots of contemporary global relationships among places as they influence political and economic trends. A wide and shifting range of topics are covered including, among others, the political economy of the world system, globalization and development, geopolitics, the geography of food and agriculture and urban geography. This course also introduces students to us the data of critical thinking skills necessary for a geographical analysis and to sharpen their global awareness. Offered every semester.
- HI3610 America's African Heritage** 4 cr.
 An examination of the role of Africans in the shaping of America's culture and society up to the present. An interdisciplinary study of the notion of cultural continuity, and of cultural carryovers as they have impacted upon language, music, art forms, religious worship, and political life. Offered periodically.
- HI3640 African History** 4 cr.
 Approaches the history of Africa from the viewpoint of African people. Archaeological records, oral tradition and documentary sources bring ancient and medieval Africa to life. Later units will focus on important themes and debates in African history today. Students will come to understand African civilization in the context of who Africans are, the social forces that have shaped their experience, and the new directions and problems they face in the post-independence era. Offered annually.
- HI3692 Modern Asian History** 4 cr.
 A survey of the historical, political, economic and social changes that re-shaped the Asian world from the mid-nineteenth century to the present day, with special emphasis on the countries of China and Japan occasionally.

- HI3700 Historical Geography of Latin America** 4 cr.
This course is an exploration of the construction of Latin America as a geographical region from colonial times to the present. The course focuses on the economic and cultural processes involved in production the region over time. We also look at how the region has historically been divided into sub-regions and specific countries, placing an emphasis on the political economic forces underlying these division. In addition, the course pays particular attention to the cultural production of Latin American sub-regions with an emphasis on the history of various racial groups in different parts of the region. Offered annually.
- HI3703 Modern Philosophy** 4 cr.
This course will examine some of the major philosophers of the modern period. Readings will be drawn from thinkers including Descartes, Hume, Kant, Hegel, Marx, Kierkegaard, Nietzsche. The course will conclude with selected topics and issues in 20th Century thought. Offered periodically.
- HI3704 African Religions and Philosophy** 4 cr.
The view of the African cosmology and religion as a system of thought. Principles of what constitutes African philosophy and religion will be examined to analyze the effects on society and politics. The study includes animism, Christianity and Islam. Offered periodically.
- HI3710 Contemporary Philosophical Issues** 4 cr.
This course provides a focused analysis of philosophical questions central to contemporary social and political debate. Topics will be drawn from such current issues as war and peace, terrorism and just war theory, human rights, the philosophy of race and gender, the philosophy of law, the nature of social justice, and biomedical and professional ethics. Offered periodically
- HI3752 Ethics** 4 cr.
What principles should guide my actions? Are moral values relative or absolute? What is the relationship between law and morality? Why should I be moral? The first part of the course will examine the answers to these questions in the works of such thinkers as Plato, Kant, Mill, and James. The second half of the semester will apply these traditional ethical views to contemporary issues such as human rights, the environment, abortion, euthanasia, and racial and sexual discrimination. Offered annually.
- HI3835 Islamic Cultures** 4 cr.
This course provides an introduction to Islam as a way of life, and its institutions, and culture. Beginning with the socio-economic background of pre-Islamic Arabia, we will explore the radically transforming message of the Quran and the personality of Muhammad as spiritual and political leader. Students will gain insight into the spread of Islam, as it developed from a regional faith into a force in world civilization, with emphasis on its emerging role in contemporary North American society. Offered annually.
- HI3840 Crescent and Cross: Islam and Christianity in History** 4 cr.
This course provides an introduction to the roles that Islam and Christianity have played in the history and social structures of the Middle East and Europe. After presentation of the origins and essential principles of both faiths, we will explore the interactions of the faith communities across geographic and ideological boundaries, concluding with consideration of how Muslim/ Christian dialogue and conflict shape our world today. Offered annually.
- HI3950 Philosophy of Religion** 4 cr.
The course is an examination of religion and the logic of religious discourse. It explores formal, philosophical, and mystical types of theologies; epistemological ethics of revelation, sin, guilt, faith, and salvation; the concept of and arguments for the existence of God; paradigms of experiential religion, such as the encounter of the human being with the divine in Judaism, the experience of love in Christianity, the surrender as de-alienation in the Islamic Sufi vision, and the dialectics of dynamic interdependence expressed as yin-yang in Daoism. A consideration of psychological accounts of religion, challenges of naturalism, existential atheism, and philosophical analysis. Offered periodically.
- HI4001 Nineteenth Century** 4 cr.
The impact of European culture and imperialism on the peoples of India and Japan. Literary works of the period are used to highlight the changes reshaping Europe in the early nineteenth century, the encounters between Europeans and Asian peoples which accompanied the expansion of Europe and the attempts of Europeans and Asians to come to terms with these encounters. Readings include Dickens' *Hard Times*, stories by Rudyard Kipling and Rabindranath Tagore, *Botchan* by Natsume Soseki. Offered periodically.
- HI4011 Twentieth Century** 4 cr.
The mutual impact of cultures throughout the world; the end of nineteenth century colonialism; revolutions and wars; the emergence of the "third world." Study of the interrelationship of European with Asian and African cultures in the twentieth century. Readings include novels from several cultures. Offered each spring.
- HI4051 Logic and Scientific Reasoning** 4 cr.
An introduction to scientific reasoning, including elementary logic, theory testing and decision-making. A practical course designed to help students read and interpret scientific findings, especially reports that appear in popular magazines and newspapers. More specific topics include probability, causal and statistical hypotheses, correla-

tions, causation and sampling techniques. Although the course offers special benefits to students in the sciences and social sciences, no technical background is assumed. Offered periodically.

HI4062 Making History **4 cr.**

Students will examine a variety of approaches to the study and writing of history. The course challenges the popular conceptions of history as a simple record of the past and of historians as the keepers of that record. The aim is to reveal the active role of the historian in the making of history and to show the uses of the past in the present and for the future. Offered annually.

HI4305 Islam and the Quran **4 cr.**

Through readings in the scripture, this course will introduce students to the character and content of the Quran, to gain an appreciation of its role in Muslim worship and community. In addition, the class will examine conceptions of revelation, prophethood, hidden or "mystical" truth, and basic theological questions in Islam. In examining modes of interpretation, students will gain insight into the development of schools of Islamic law and the differences between groups such as Sunni, Shia, and Sufi. Offered alternate years.

HI 4210 Special Topics **4 cr.**

This special topics course offers upper division courses in History that are offered only occasionally or on a one-time basis. These courses are designed for majors in History (Liberal Arts and Social Studies track) and will fulfill upper division requirements in that major depending on the specific topic offered. An example of a special topic would be History of Women and Gender in the Modern Middle East. (Offered Spring 2017) This topic would fulfill Non-Western History requirements in the History Major/Social Studies track and elective requirements in History/Liberal Arts track

Prerequisites: English proficiency required

HI4306 Golden Age of Islam **4 cr.**

This course focuses on the intellectual and cultural achievements of Islamic civilization, from Islam's emergence to Arabia in the 7th century through the Mongol invasions in the 13th century. Topics include: the development of Islamic law, science, arts, philosophy; the role of trade and the teachings of mysticism, and the rise of distinctive Persian and Turkish cultures in Islamic settings. The interactions of Islamic civilization with Byzantium and Europe, as well as Central Asia nomadic groups, will be discussed.

HI4308 Islam in the Modern World **4 cr.**

In this interdisciplinary course, students will explore the convergence of ideas, ideologies, and forms that have shaped views of Islam by Muslims and non-Muslims from the 18th century until the present. By engaging with the writings by a variety of political and literary thinkers, students will work toward a better understanding of prominent movements and concerns during this period. Topics include Islamic fundamentalism (Wahhabism); Islamist reform movements leading to emergence from under colonial powers; the Iranian Revolution; Palestine and Israel; Muslim women and modernity; and the encounter between Muslims and secular culture in the US, Europe, India, and elsewhere. Offered in alternate years.

HI4318 Islamic Philosophy and Mysticism **4 cr.**

This course is an introduction to the history of Islamic philosophy and mysticism. It covers topics of human concern such as the ethical role of love and knowledge of the good life and human happiness. The course will compare Muslim and Western philosophers on topics such as "being," philosophical analysis, and "process metaphysics." The themes of the "clash of civilizations" vs. dialogue among cultures/philosophical issues will be explored. Offered periodically.

HI4395 Philosophy from the 20th to the 21st Century **4 cr.**

This course covers highlights of philosophy in the twentieth and twenty first centuries. It begins with Modern European thought (British empiricism, continental rationalism) and its development in the nineteenth century (I. Kant and German Idealism); continues with early and later analytical philosophy; turns thereafter to existentialism, phenomenology, and pragmatism; and culminates in the philosophy of A. N. Whitehead. Readings include key selections from the works of Carnap, Sartre, Dewey, Heidegger, and the later works of Wittgenstein. Offered periodically.

HI4415 Europe of the Dictators **4 cr.**

The course focuses on the rise of the totalitarian regimes (Fascism, Stalinism and Nazism) in the context of the development of modern Europe. It begins by tracing their roots in the nineteenth century; surveys their appearance and development in the early twentieth century, and concludes with the collapse of the Soviet bloc and the emergence of the new Europe in the 1980s and 1990s. Offered annually.

HI4420 Women and Witchcraft **4 cr.**

Witchcraft has generally been associated with women. The course examines the relationship between women and witchcraft in order to uncover the roots and assess the consequences of this association. It begins with a look at the anthropological record, focuses on the early modern witch persecutions, and concludes with an examination of the survival of witchcraft beliefs and their relationship to women in the present. Offered periodically.

HI4557 Renaissance and Reformation in Europe **4 cr.**

The foundations of Modern Europe were laid in the two movements examined in this course. It begins with the revival of pagan classical culture in the commercial and urban milieu of Renaissance Italy, and traces the diffusion of the artistic and intellectual movement pioneered there to the rest of Europe. As Renaissance culture spread, it merged with existing traditions, and thereby contributed to the Reformation, a religious reform movement that

transformed the Christian religion and convulsed Europe for more than a century. The course emphasizes the interconnections between Europe's socio-economic development, its political upheavals, and its dramatic cultural achievements. Offered every other year.

HI4600 World Regional Geography **4 cr.**

This course focuses on the heightened connections between different parts of the world through a survey of the world's major regions. The course not only provides a description of the different environmental, economic, cultural, political and social aspects of world regions, it provides an understanding of the differential effects on globalization as it interacts with particular local and regional settings. This course should give students a broad, yet relevant understanding of the world in which they live and how histories and events of distant regions are related to their daily lives. Offered annually.

HI4650 The History of African Enslavement **4 cr.**

The study of African slavery from pre-European contact until the present. Topics that will be covered are slavery as indigenous concepts, the Afro-Arab slave trade, the trans-Atlantic slave trade and modern 20th century slavery. All will be viewed from social, economic and political perspectives. Offered periodically.

HI4800 History of India **4 cr.**

Fat Maharajas atop bejeweled elephants, naked holy men sitting silently along the roadside, ragged children begging for scraps of food, maddened zealots attacking each other from caste hatred or religious fanaticism—these are the stark images that dominate American and Western ideas about India. But India's 5,000-year history offers much more. From the intricacies of an ancient Sanskrit-based culture and the grandeur of Mughal tombs to the vibrancy of modern Bollywood films and the contending ethnic/religious identities of post Independence India—India's history tells the story of how diverse populations wove together their different ways of life to create the multi-dimensional tapestry that is India today. This one semester course explores the vibrant diversity of India's past with an emphasis on its multiple legacies and the ways 20th and 21st century Indians have used these legacies to construct modern identities and a modern, democratic nation. Offered annually

HI4850 Domesticity in the 19th and Early 20th Century **4 cr.**

"A place for everything and everything in its place." This trans-regional history course explores the spread of European, middle-class ideas about home and family life—global domesticity—throughout the 19th century world, with special focus on origins in England and development in and impact on America, India and Africa. What relationship should exist between a husband and a wife, how a mother should raise her children, even how kitchen spices should be arranged on a storeroom wall—all became issues for debate and contestation. We look at these debates and conflicts through domestic manuals produced in these countries and through the life stories of people (mostly women) who wrote and/or read these materials. Offered annually.

HI4900 Modern China – a Study Abroad Course on Chinese Civilization **4 cr.**

Offered in conjunction with the faculty and staff of a university in China. Through lectures, trips, and everyday living experiences, this 4 week summer course will introduce students to all aspects of life in modern China—from its culture to its business community, from its political philosophy to the ideas of the men and women on its streets. Students will attend lectures and live at Wuyi University and work with Wuyi faculty and students. Day trips will allow students to explore cultural spots and cities in Guangdong Province and a special four day trip will take students to nearby Hong Kong and Macao. Offered for 4 weeks in May-June.

HI4905 Chinese Civilization **4 cr.**

An introduction to one of the oldest civilizations of the world. This course will provide students with general knowledge of 5,000 years of Chinese history and peoples, cultures and traditions, languages and literatures, music and arts, as well as philosophies and beliefs. It will also introduce students to the impact of cultures on the establishment and development of the Chinese social, political and economic systems. Offered annually.

HI4910 Chinese Diaspora across the Pacific **4cr.**

This trans-regional course provides historical analyses in the migration of the Chinese to the United States from the early 19th century to the present. It discusses issues relating to immigration policies, race, class and ethnicity. It also examines trans-cultural identity in global perspectives. Offered each fall.

HI5000 Social Studies Senior Seminar **4 cr.**

This course is the required capping course for Social Studies Adolescent Education majors. It focuses on the issue of global human rights. The first half of the course is conducted as a seminar in which students read both secondary and primary sources to explore the origins of the idea that all human beings possess certain fundamental rights and gain an understanding of the series of struggles by which this idea gradually became institutionalized in the modern world. During the second half of the course students define, research, and write a major research paper on some aspect of human rights, and they also complete a lesson plan related to their research topic. Offered every semester.

HI5900 Senior Seminar **4 cr.**

Designed for students earning degrees in Comparative Humanities, the Senior Seminar requires a major research paper on an approved topic that emerges from the major's coursework. Offered every semester.

HI5910 Senior Research Project**4 cr.**

A research project required of Philosophy and Religion majors that can be structured in one of the following ways: 1) The student may enroll in HI5910 at the same time as another upper-division Philosophy and Religion course and do the research project in conjunction with the course; OR 2) The student may enroll in HI5910 and do the research project as a "stand-alone" undertaking in consultation with an adviser.

Prerequisites: Senior standing and permission of the course instructor (for option 1) or project adviser (for option 2).

INDUSTRIAL AND LABOR RELATIONS COURSES

All course offerings are contingent on budgetary allocations, faculty resources and enrollment figures and unless otherwise indicated, are offered in accordance with student demand.

IR2210 Unions and Management: An Introduction**4 cr.**

Focusing on the current state of labor-management relations, this course introduces students to collective bargaining, labor and employment law, history of labor relations, labor union and management organizational structures, grievance handling and arbitration, and labor and management strategies. Required for all Industrial and Labor Relations majors. Offered each semester.

Prerequisite: ECII.

IR3120 History of American Labor Relations**4 cr.**

This course follows the broad contours of American labor-management history, with an emphasis on the sources of growth and decline of the modern labor movement. Factors examined include: forms of employer and union organization, legal status of unions, immigration, race, gender, globalization, technology, politics, and ideology. Organizations surveyed include: Knights of Labor, Industrial Workers of the World, American Federation of Labor, Congress of Industrial Organizations, and the AFL-CIO. Offered every other year.

Prerequisites: Upper-division standing; IR2210 or permission of instructor.

IR3140 Unions and Public Policy**4 cr.**

The global economy has pushed issues such as free trade vs. fair trade, international investment, distribution of income, health care policies, child and sweatshop labor, and the legal rights of labor unions onto center stage. This course examines union and employer views and activities regarding these and other important public policy issues including minimum wage, unemployment insurance, worker compensation, and occupational safety and health. Offered every year.

Prerequisite: ECII.

IR3415 Labor Economics**4 cr.**

Develops different frameworks for understanding today's labor markets, ranging from market-based to institutionalist theories. Includes analysis of current trends, major factors affecting the labor supply (e.g., immigration, women workers, unions) and the demand for labor (e.g., automation, investment policies, business cycle, productivity). Offered every year.

Prerequisite: Upper-Division Standing.

IR3500 Arbitration and Mediation**4 cr.**

This course studies the function of arbitration in the field of labor-management relations, including an analysis of principles and practices, the law of arbitration, briefs, the conduct of an arbitration hearing, and the preparation of an arbitration opinion and award. Students also study the use of mediation in resolving contract grievances. Offered every other year.

Prerequisite: Upper-Division Standing.

IR3860 Development of the Modern Corporation**4 cr.**

The modern corporation viewed as the dominant institution of the 21st century. Major areas of study include: historical development; multinationals and conglomerates in today's global economy; political and economic power; private planning; labor relations. Offered every other year.

Prerequisite: Upper-Division Standing.

IR4320 Labor and Employment Law**4 cr.**

Taught by an attorney. Detailed introduction to labor (union) and employment law affecting employers, unions, and workers in the United States. Examines social philosophy, including employment-at-will doctrine, and historical context. Includes major provisions of the National Labor Relations Act; Taft-Hartley Act and Landrum-Griffin Act; NLRB and federal court legal interpretations; New York State's Taylor Law and other public sector labor law;

anti-discrimination statutes; Fair Labor Standards Act; pension law; family and medical leave. Offered every year.

Prerequisite: Upper-Division Standing.

IR5900 Senior Project/Internship in Industrial and Labor Relations 4 cr.

Student completes a major research project or internship, individually tailored to her or his background and experience. Offered every semester.

Prerequisites: Senior Standing; completion of required courses.

IR4600 Topics in Labor Studies 4 cr.

This course examines sources of conflict in contemporary American labor relations, and explores methods of resolving those conflicts. Legal and political impediments to effective conflict resolution are analyzed. Emphasis is placed on finding creative and effective solutions to workplace problems through negotiation and mediation. Offered every other year.

Prerequisite: Upper Division Standing.

IR5900 Senior Project/Internship in Industrial and Labor Relations 4 cr.

Student completes a major research project or internship, individually tailored to her or his background and experience. Offered every semester.

Prerequisites: Senior Standing; completion of required courses.

MATHEMATICS COURSES

Support Services for College Mathematics

Free tutoring is available for all math courses in the Mathematics Learning Center. Students are encouraged to visit the center to take advantage of this service.

MA1010 Powertrack Math 2 cr.

Powertrack Math is a highly structured course which utilizes an active learning approach. The course involves mandatory attendance at a lecture class and required hours working in a lab. The purpose of the course is to prepare students in an accelerated way for entry into MA1020 College Algebra and other courses that meet the Mathematics Proficiency requirement at the College. It will include topics of real number arithmetic as well as topics in Introductory Algebra, including linear equations and inequalities, graphing linear equations, exponents, polynomials and factoring, and systems of equations. Attendance at an orientation meeting prior to the beginning of the semester is mandatory. Offered every semester.

MA1020 College Algebra 4 cr.

Topics include functions, factoring polynomials, rational and algebraic expressions, exponents and radicals, solutions to quadratic equations, complex numbers, inequalities, systems of equations, matrices, Cramer's rule, graphs of functions. Offered every semester.

Prerequisite: grade of "C" or higher in MA1010.

MA2000 Applied Statistics 4 cr.

Applied Statistics is a Liberal Education Curriculum course intended to develop the statistical literacy of all students regardless of their major. The emphasis is on organizing and summarizing data, applying appropriate statistics, and on understanding and interpreting the results of statistical tests. Real data derived from a variety of fields including education, psychology, sociology, life and physical sciences, economics, and business will be used throughout the course.

Prerequisite: grade of "C" or higher in MA1010.

MA2010 Foundations of Mathematics I 4 cr.

A course designed primarily for students majoring in elementary education. MA 2010 covers fundamental theory, historical context and underlying logic of mathematics taught in elementary school. Content is intended to complement the recommendations in the National Council of Teachers of Mathematics Standards, and emphasis is placed on problem solving and communication in mathematics. Topics studied include introductory problem solving, functions, number systems, the operations and properties of arithmetic, estimation, and selected topics from set theory and number theory. Offered every semester.

Prerequisite: grade of "C" or higher in MA1020.

MA2050 Quantitative Reasoning and Decision Making 4 cr.

This course was designed for Liberal Education Curriculum, and is intended to improve quantitative literacy and reasoning skills regardless of major. MA2050 provides essential skills in logic, problem solving, critical thinking and decision making. Quantitative methods and applications to real-life problems are explored, as well as decision

tools for individuals and society. Topics include measurement, patterns and trends, proportion and equity, understanding data and graphs, logic and sequential reasoning, risk, uncertainty, probabilistic reasoning, natural law, descriptive statistics, decision trees. Personal decisions and applications across disciplines are explored in areas that include consumer finance, advertising, numbers in the news, personal behavior, health and medicine, incidents and accidents, insurance, energy, environment and sustainability. Fulfills math proficiency requirement (GE MA). Offered every year

Prerequisite: grade of "C" or higher in MA1010 or equivalent.

MA2080 Precalculus for Business and Economics **4 cr.**

The study of linear, quadratic, exponential, and logarithmic functions and their graphs. Systems of equations and an introduction to matrices. Applications in the fields of business and economics. Offered every semester.

Prerequisite: Three years of Regents high school mathematics or grade of "C" or higher in MA1020.

MA2090 Precalculus **4 cr.**

A course designed primarily for students who wish to take MA2310. A study of algebraic, logarithmic, exponential, and trigonometric functions and their graphs. Offered every semester.

Prerequisite: Three years of Regents high school mathematics or grade of "C" or higher in MA1020.

MA2300 Calculus for Business and Economics **4 cr.**

Limits, differentiation, and integration. Relevant applications from the areas of business, economics and the social sciences. Offered every semester.

Prerequisite: Four years of Regents high school mathematics or a grade of "C" or higher in MA2080 or MA2090.

MA2310 Calculus & Analytic Geometry I **4 cr.**

Topics include functions and their graphs, limits and continuity, derivatives of polynomials, rational functions, algebraic functions, exponential & logarithmic functions, and trigonometric functions, applications of the derivative, definite and indefinite integrals, fundamental theorem of calculus. Offered every semester.

Prerequisite: grade of "C" or higher in MA2090.

MA2320 Calculus & Analytic Geometry II **4 cr.**

Topics include indefinite and definite integral, applications of definite integral, integration techniques, infinite series, and analytic geometry. Offered every semester.

Prerequisite: grade of "C" or higher in MA2310.

MA2500 History of Mathematics **4 cr.**

A survey of the history of mathematics from the beginnings through the 20th century. With special attention to culture and mathematics. Emphasis on topics germane to the high school curriculum. Offered every other semester.

Prerequisite: MA 2310 or permission of the instructor.

MA3020 Foundations of Mathematics II **4 cr.**

A course designed primarily for students majoring in elementary education. MA2020 covers fundamental theory, historical context and underlying logic of mathematics taught in elementary school. Content is intended to complement the recommendations in the National Council of Teachers of Mathematics Standards, and emphasis is placed on problem solving and communication in mathematics. The syllabus includes topics from elementary combinatorics, probability, statistics, geometry and measurement. Offered every other semester.

Prerequisite: grade of "C" or higher in MA1020.

MA3030 Discrete Mathematics **4 cr.**

An introduction to discrete mathematical structures. Topics include propositional and predicate logic, set theory, relations and functions, induction and recursion, algorithms and number theory, and graphs and trees. Offered every semester.

Prerequisite: grade of "C" or higher in MA2090 or MA2080.

MA3160 Linear Algebra **4 cr.**

An introduction to linear algebra beginning with two and three dimensional spaces, and including such topics as matrices, systems of equations, determinants, vector spaces, linear transformations, eigenvalues, and applications. Offered every semester.

Prerequisite: grade of "C" or higher in MA2310 or MA2300.

MA3180 Foundations of Secondary School Mathematics **4 cr.**

This course is designed for students planning to be secondary school mathematics teachers. The course covers the fundamental theory, historical context and underlying logic of mathematics taught in secondary school. It follows the National Council of Teachers of Mathematics Standards. The goal is for students to develop a deep understanding of secondary mathematics and to enable future teachers to provide their students with the highest quality instruction. This course can be used as a preparation for the New York State Teacher Certification Examination in Mathematics, Content Specialty Test. Offered every other semester.

Prerequisites: MA2320, MA3030, MA3160.

MA3210 Introduction to Probability and Statistics **4 cr.**

This course provides a foundation in probability and statistical inference. Topics include set operations, combinatorics, games of chance, models for uncertainty, tree diagrams, random variables, discrete and continuous distributions, bayesian analysis, expectation, variance, sampling statistics, estimation, hypothesis testing. Emphasis on reasoning skills, model development and problem solving across disciplines Offered every semester.

Prerequisite: MA2310 or MA2300; MA2320 recommended.

MA3330 Calculus and Analytic Geometry III **4 cr.**

Three main areas will be studied. The first is the Vector algebra and geometry of three-dimensional space including: lines, planes, and curves in space; polar, cylindrical, and spherical coordinate systems. Using this geometry, limits, partial differentiation, directional derivatives, max-min theory and Lagrange Multipliers are studied. The final area of study is integration, including double, triple integrals, line integrals, and the divergence, Green's and Stokes Theorems. Offered every semester.

Prerequisite: grade of "C" or higher in MA2320.

MA3520 Transition to Advanced Mathematics **4 cr.**

An introduction to concepts commonly used in advanced mathematics with an emphasis on writing proofs. Topics include logic, set theory, relations, functions, and cardinality as well as selected topics from other areas of advanced mathematics such as number theory, abstract algebra, topology, and real analysis. Offered every semester.

Prerequisites: grade of "C" or higher in MA2320 and MA3030.

MA4100 Number Theory **4 cr.**

A study of the utilization of concrete examples to introduce concepts of modern algebra; prime numbers, congruences, diophantine equations, elementary combinatorial analysis. Offered as needed.

Prerequisites: grade of "C" or higher in MA3030.

MA4160 Advanced Linear Algebra **4 cr.**

This course is a rigorous, abstract treatment of linear algebra. Topics to be covered include vector spaces, linear transformations, eigenvalues and eigenvectors, diagonalization, inner product spaces, and canonical forms.

Prerequisite: Grade of C or higher in MA3160

MA4200 Probability **4 cr.**

Sample space, concepts of probability, conditional, marginal and joint probabilities, random variables and functions of random variables; discrete and continuous and other special distributions; moment generating functions; law of large numbers and central limit theorem; conditional expectations, and introduction to stochastic processes. Offered as needed.

Prerequisite: MA3330.

MA4300 Numerical Analysis **4 cr.**

A study of numerical methods with computer work: solution of algebraic and transcendental equations, systems of linear equations, interpolation, numerical solution of differential equations, error estimation. Offered as needed.

Prerequisite: grade of "C" or higher in MA3160.

MA4360 Differential Equations **4 cr.**

A study of differential equations and their applications; ordinary differential equations with particular emphasis on linear differential equations, systems of differential equations, boundary value problems and applications to electrical, mechanical and chemical systems. Offered every spring.

Prerequisites: grades of "C" or higher in MA2320 and MA3160.

MA4510 Geometry **4 cr.**

Geometry from a modern axiomatic standpoint. Higher Euclidean geometry emphasizing incidence and separation properties, metric properties, area theory. Euclidean constructions. Offered every Spring.

Prerequisites: grades of "C" or higher in MA3160 and MA2320; ECII.

MA4710 Applied Cryptography **4 cr.**

This course develops notions of information security and deals with the tools for guaranteeing secure communications in an adversarial setting. Topics include basic number theory, cryptographic methods, key distribution, and protocols for authentication and confidential communications. The course examines C++/Java security applications that employ cryptography. Students will be assigned several small programs incorporating security. Offered based upon student demand.

Prerequisites: grades of "C" or higher in CS2510 and MA4100.

MA4910 Operations Research I **4 cr.**

An introductory course in operations research theory and methodologies. Operations research uses systematic mathematical processes to find optimal solutions to problems in business, government and science. Topics include matrix algebra, Simplex method of Linear Programming, the Big M Method, Duality Theory, Transportation Programming, the Assignment Problem, Network Analysis and an Introduction to Dynamic Programming. Offered as needed.

Prerequisite: grade of "C" or higher in MA3160.

MA4920 Operations Research :Probabilistic **4 cr.**

The applied math course explores Operations Research models that are probabilistic in nature. Topics include Queueing Theory, the Birth and Death Process, Stochastic Processes, Markov Chains, Inventory Theory, Transportation Systems and Energy Systems. To demonstrate applied learning, students undertake an original project involving field observations, model development, analysis and written report. Offered as needed.

Prerequisite: MA3210.

MA5120 Abstract Algebra I **4 cr.**

Groups, rings, integral domains, ideals and fields together with their homomorphisms. Offered every semester.

Prerequisites: grades of "C" or higher in MA3160 and MA3520; ECII.

MA5130 Abstract Algebra II **4 cr.**

Continuation of MA5120 and includes the Sylow Theorems, free groups, extension fields, Galois theory, finite fields. Offered as needed.

Prerequisite: grade of "C" or higher in MA5120.

MA5230 Mathematical Statistics **4 cr.**

Review of set theory, probability, random variables and some standard distributions. Focuses on estimation of parameters, confidence intervals, hypothesis testing, likelihood ratio tests, sampling distributions, one-sample and two-sample test. Offered as needed.

Prerequisite: grades of "C" or higher in MA2320 and MA3120.

MA5320 Advanced Calculus I **4 cr.**

An analytical study of the theory underlining calculus. Topics will include the real number system, limits, continuity, uniform continuity, differentiability, sequences and series of functions, uniform convergence, Taylor series, theory of integration, elementary transcendental functions. Offered every semester.

Prerequisites: grades of "C" or higher in MA2320 and MA3520.

MA5330 Advanced Calculus II **4 cr.**

Rigorous study of vector calculus. Topics will include continuity, differentiation and integration of vector valued functions, inverse and implicit function theorems, differential forms and general Stokes' Theorem. Offered as needed.

Prerequisite: grade of "C" or higher in MA5320.

MA5360 Real Analysis **4 cr.**

Theory of the Lebesgue integral; outer measure, measure and measurable sets; simple functions and the space of Lebesgue integrable functions; theorems of Fatou and Lebesgue; dominated (and bounded) convergence theorems; Riemann-Stieltje's integrable; the L^p spaces; inequalities. Signed measure; the decomposition theorems of Hahn and Jordan. Offered as needed.

Prerequisite: MA5320.

MA5380 Complex Analysis **4 cr.**

Introduction to the theory of analytic functions of complex variables including such topics as complex arithmetic, power series expansion, conformal mapping, analytic functions, and residues. Offered as needed.

Prerequisite: MA3330.

MA5510 Topology **4 cr.**

A study of general topology and introductory algebraic topology, including such topics as topological spaces, metric spaces, continuity, connectedness, compactness, product and quotient spaces, functions spaces, homotopy, fundamental groups. Offered as needed.

Prerequisites: grades of "C" or higher in MA3330 and MA3520.

MA5900 Research **2-4 cr.**

Research project carried out under the supervision of a faculty member.

Prerequisite: permission of instructor.

MA5910 Special Topics **4 cr.**

Selected topics in mathematics. Offered as needed.

Prerequisite: permission of instructor.

MA9990 Independent Study **2-4 cr.**

Designed to give the advanced student the opportunity for independent reading, development of a project or a mathematical model.

Prerequisite: permission of instructor.

MODERN LANGUAGES COURSES

All course offerings are contingent on budgetary allocations, faculty resources, and enrollment figures, and unless otherwise indicated, are offered in accordance with student demand.

Spanish Courses

ML1100-ML1110 Basic Spanish I and II **4 cr.**

All communications skills in standard Spanish including basic speaking and aural comprehension, basic reading and writing are covered in these courses. Not appropriate for students with background in spoken Spanish. ML1110 is open to students who have completed ML 1100 or its equivalent. Both are offered in the fall and in the spring.

Prerequisite for ML1100: No prior experience in the language.

Prerequisite for ML1110: ML1100 or permission of ML faculty.

ML2005 French-English Translation **4 cr.**

This is an introductory course in the practice and theory of French to English translation. After a basic introduction to modern translation theory, students will practice the precision skills necessary to understand, analyze and accurately translate short prose texts from French into English. They will learn how to preserve the meaning style, syntax and tone of source text. Passages selected for translation will come from a variety of sources, including short stories, plays, newspaper or magazine articles of different topics, and advertising, and will be of increasing complexity and length. This course will be offered periodically, in online format.

Prerequisite: ML1010 or permission of Instructor.

ML2100 Intermediate Spanish I **4 cr.**

This course is designed for non-native speakers who have learned the basic structures of Spanish and for Hispanic students with some knowledge of spoken Spanish but no prior academic training in the language. Students will work on the four language skills (listening, speaking, reading and writing) in standard Spanish. Special emphasis, however, is placed on listening and speaking. Expanding vocabulary and building confidence in speaking are the main goals of this course. Offered every fall.

Prerequisite: ML1110 or permission of ML faculty.

ML2110 Intermediate Spanish II **4 cr.**

This course offers a comprehensive review of Spanish grammar and intensive work on vocabulary building. It is designed both for non-native speakers who have some competence in spoken Spanish and for Hispanic students who have had limited academic training in the language. The course is intended to develop competence in reading, writing and speaking. Offered every spring.

Prerequisite: ML2100 or permission of ML faculty.

ML2500 Hispanic Language and Culture **4 cr**

Taught in Spanish. Increases oral proficiency using authentic reading materials and "real life" situations, which focus on themes such as ethnicity, education, art, religion, economic and political developments in the Spanish-speaking world.

Prerequisite: ML 2100 or Permission of ML faculty.

ML 2550 Intro to Spanish, Latin-American and Latino Cultural Studies **4 cr**

Students will examine the effects that social and cultural models associated with colonialism, nation building and Western modernity have had on the formation and development of Spanish, Latin American and Latino identities and cultures.

Prerequisite: Permission of ML faculty.

ML3100 Advanced Spanish Conversation and Composition **4 cr.**

Designed for both non-native speakers who have had at least two years of Spanish study, and for Hispanic students who need to activate and expand their ability to think and express themselves in their heritage language. This course will provide intensive oral practice on different topics related to Hispanic culture as well as current events of particular interest to students. A variety of reading and writing assignments will help students amplify their vocabulary, lessen the interference of English in Spanish oral communication and strengthen their ability to express ideas both in conversation and in writing. Offered every fall.

Prerequisite: ML2110 or permission of ML faculty.

ML3150 Modern Italian Civilization **4 cr.**

Taught in English. This course will provide students with an introduction to modern Italian culture and civilization as represented in works of art, literature and film. We will examine the prominent role played by Italy in the development of European art, culture, history and thought, and the shaping of Western values and taste. From the Renaissance to the present..

Prerequisite: ML2110 or permission of Instructor.

ML3200 Translation Workshop **4 cr.**

This is an introductory course in the theory and practice of English/Spanish translation. A variety of prose texts, both literary and non-literary, will be selected for translation, using mostly Spanish as the target language, with some practice of Spanish to English translation. English and Spanish grammar rules are

reviewed so students can develop a strong sense of proper usage. Students will work on comparative grammar, style, rhetorical structures and levels of discourse. Emphasis will be placed on expansion of vocabulary in both languages, and on the development of a clearer understanding of the morphological and syntactical differences between the two languages. Offered every other Fall.

Prerequisite: ML2110 or permission of Instructor.

ML3250 Fundamentals of Spanish Linguistics 4 cr.

This course provides an essential survey of the major areas of Spanish linguistics geared primarily towards the undergraduate Spanish Education major. Topics to be covered include advanced grammar and syntax, phonology, and lexical morphology. Course readings and fieldwork assignments are intended to provide the student with both a descriptive introduction to the field, which should enable non-natives to improve their own Spanish grammar, listening comprehension and pronunciation; and native speakers to be sensitive to learner difficulties, and to make them more effective educators of Spanish. The course is taught in Spanish with technical terminology given in both Spanish and English. Offered every other year.

Prerequisite: ML2110 or permission of ML faculty.

ML3260 Spanish Linguistics: Universals of Grammar 4 cr.

In this course, students will learn linguistic terminology for an exhaustive classification of parts of speech, word formation (morphology) features and marking, and syntactic function. By examining specific grammar topics that are problematic to native speakers of English or Spanish, the course will enable students to improve both their grammar and writing skills by generating grammatical sentences and by analyzing errors. Course taught on-line in Spanish with exercises and examples in Spanish and English, as well as other world languages.

Prerequisite: Ability to read and write in Spanish.

ML3300 Artistic Expressions of Spain 4 cr.

Summer course taught in English in Santiago de Compostela, Spain. This course is an overview of the art and culture of Spain through guided readings and visits to museums and galleries. Students will become familiar with masterpieces of Spanish painting, from El Greco to contemporary painters. Artistic styles and movements will be discussed, as well as the influence of various cultures on the arts of Spain.

Prerequisite: EC II.

ML3310 Chicano/a Cultural Studies 4 cr.

Through interdisciplinary, cross cultural studies in the humanities this course examines current historical and theoretical writings on the lived experiences of Chicano/a in U.S. history. Themes include culture, politics, re-presentations, contestation, social reproduction, identity and difference, and domination/resistance.

Prerequisite: Permission of ML faculty.

ML3362 Advanced Spanish Grammar and Composition 4 cr.

Designed for both Heritage speakers and second-language learners. The focus of this course is on the development of reading and writing skills through a thorough review of grammar and weekly exercises and compositions. Students will improve their ability to write in correct Spanish, expand their overall vocabulary and perfect and systematize their knowledge of grammar and correct usage. Offered every spring.

Prerequisite: ML3100 or permission of ML faculty.

ML3410 Latino/a Writers in the United States 4 cr.

Taught in English. This course recognizes the contributions of "Latino" writers who have produced a body of literature in English. The works represent the cultural diversity within the Latino communities in the United States, and the response by various authors to questions of acculturation to new social conditions. Offered every spring.

Prerequisite: EMS.

ML3500 Critical Writing and Textual Analysis 4 cr.

Taught in Spanish. For the student who is interested in pursuing the study of literature in Spanish, this course develops critical reading and writing skills and introduces methods of textual analysis. Through intensive practice and class discussions, students will refine their ability to express independent ideas, organize their thoughts, develop a theme and interpret a literary text, in order to write effective essays and term papers in Spanish. Revising and rewriting will be an integral part of the course. Offered every fall.

Prerequisite: ML3100 or ML3362 or permission of ML faculty.

ML3510 Creative Writing 4 cr.

Taught in Spanish. This course will function as a broad-based introduction to various forms of writing, such as short fiction, autobiography and non-fiction narrative. Literary works will serve as models through analysis, application and imitation. Class work will consist of technique and style discussions, reading assignments and mostly collaborative writing exercises. Students will be introduced to the concept of a writing workshop, wherein they share pieces with peers in order to give and receive feedback. Offered every other fall.

Prerequisite: ML3100 or ML3362 or permission of ML faculty.

ML3600 Introduction to the Study of Hispanic Literature 4 cr.

Taught in Spanish. A prerequisite for all upper-level literature and culture courses, this course introduces students to the study of literary genres (poetry, drama, the narrative and the essay). Students will also become familiarized

with literary schools and aesthetic movements. Works of noted Hispanic authors (plays, short stories and poems) will be read and analyzed with regard to form and content. Offered every spring.

Prerequisite: ML3100 or ML3362 or ML3500 or permission of ML faculty.

ML3650 Cinema of Latin America and the Iberian Peninsula. 4 cr

Taught in English. This course will provide students with an introduction to Latin American and Spanish films of the 20th and 21st centuries. Topics pertinent to cinema such as Cinema Novo in Brazil, "La movida" in Spain, etc., will be explored. Films chosen will present social, political and cultural issues. Films will be previewed in their native language with English subtitles.

EC II or permission from ML faculty

ML3800 Modern French Culture: France and the Francophone World 4 cr.

Taught in English. This course will provide students with an introduction to French culture and civilization. We will analyze the pivotal role played by France in modern European history and culture and the contributions the French and Francophone nations have made in such domains as architecture, fine arts, philosophy, literature and cinema. Starting from the French classical age, in the 17th century, and continuing through the Enlightenment, the age of revolutions, colonialism and post-colonialism, the course aims to give students an understanding of the aesthetic and intellectual currents that have shaped French thought and creative expressions. Readings will include letters, fiction and essays. Modules of discussion and research may include: the emergence of modern subjects; the culture of sensuality; feminism and gender definitions; stories of love and desire; the image of human experience in the French novel; immigration, racism and the multicultural society; the concept of "creoleness"; modernism and the "avant-gardes"; French-American interactions. Offered once a year.

Prerequisite: EMS.

ML3880 Masterpieces of Hispanic Literature 4 cr.

Selections of outstanding literary works of Spain and Latin America from the picaresque novel to the present. Study includes major writers: Cervantes, Lorca, Unamuno, García Márquez, and others. Given in English. Offered periodically.

Prerequisite: EMS.

ML4100 The Spanish Golden Age 4 cr.

Taught in Spanish. A study of the literature of the Spanish Golden Age (ca. 1500-1660) which includes some of the major texts and best-known stories of world literature. Students will be guided through the reading and analysis of selections from Cervantes, Rojas, Tirso de Molina, Lope de Vega, Calderon, Gongora, etc. The works presented will provide a basis for the examination of the Baroque concepts of reality and illusion, dream and disenchantment. Offered periodically.

Prerequisite: ML3600 or ML3500 or permission of ML faculty.

ML4325 Contemporary Theatre of the Hispanic World 4 cr.

Taught in Spanish. Selected plays by a variety of Spanish-speaking dramatists will be read and examined critically and analytically. The plays will represent a broad range of styles and subject matter, and touch upon the philosophical, social and cultural issues that have preoccupied Spanish and Latin American playwrights in modern times. Works by Arrabal, Dragun, Garro, Triana, Paz, Fuentes and Vargas Llosa may be included as well as recent performance pieces by Latino playwrights. A focal point of the course will be the preparation of dramatic readings of selected scenes. Offered periodically.

Prerequisite: ML3600 or ML3500 or permission of ML faculty.

ML4350 Recurrent Themes in Latin American Painting and Literature 4 cr.

Taught in Spanish. This course explores the importance of art and literature in the construction of national, cultural and social discourses in Latin America. Representations of Latin America by European engravers of the 16th and 17th centuries will be analyzed alongside excerpts from colonial literary texts concerned with explaining the newly "discovered" lands to their European sponsors. We will look at nationalistic discourses as presented by the Mexican Muralist movement and writings by Octavio Paz. We will also examine the Hispanic Caribbean painters' and writers' project to develop a new artistic vocabulary, and their (dis) illusions with their countries' social and political conditions. Offered periodically.

Prerequisite: ML3600 or ML3500 or permission of ML faculty.

ML4450 Hispanic Women Writers 4 cr.

Taught in Spanish. A close reading and analysis of major works of fiction and poetry by Hispanic women. Students will be introduced to significant pre-20th century authors; however, the main focus of the course will be on contemporary texts. Selected writers from different areas, such as Emilia Pardo Bazan, Maria Luisa Bombal, Julia de Burgos, Rosario Ferre, Elena Poniatowska, Gabriela Mistral, Isabel Allende, et al., will give students a sense of the diversity and range of Hispanic women's writing. We will examine these writers' response to "machismo" and the limited role of women in traditional societies. Questions concerning the feminine literary tradition, such as how the female experience is represented in texts written by women, and whether there is a specifically "female" writing, will also be discussed. Offered periodically.

Prerequisite: ML3600 or ML3500 or permission of ML faculty.

ML4500 Culture and Literature of Spain from the Middle Ages to the 18th Century 4 cr.

Taught in Spanish. A study of the culture and literature of Spain through representative works, beginning with the epic poem *El Cid*, Spain's first recorded literary work, and continuing through the 18th century. Students will examine the concepts of honor, religious duty, love, conquest, and the nation as represented in the Spanish tradition. Offered periodically.

Prerequisite: ML3600 or ML3500 or permission of ML faculty.

ML4510 Civilization and Culture of Spain 4cr.

Taught in Spanish. This course will provide students with an introduction to the culture and civilization of Spain. After a brief overview of key events in Spanish history, emphasis will be placed more specifically on contemporary Spain. Analysis and discussion of literary works, films, music and art will help students understand and appreciate the role played by Spain in modern European history and her contributions in the arts as well as in popular culture. Themes for discussion and research may include: the image of human experience in the Spanish novel; pluralism, unity and the Spanish identity; post-modern cinema; the Civil War and the Franco era; Spain as Romantic myth and tourist heaven, etc. Offered periodically.

Prerequisite: ML3600 or ML3500 or permission of ML faculty.

ML4515 Recent Narrative from Spain 4 cr.

Taught in Spanish. This course provides an analytical and historical approach to narratives written in Spain during the last two decades of the 20th century. Students will be introduced to various aesthetic styles (parodic, historical and urban novels and short stories, science fiction and detective novels) which flourished during this period. Special attention will be given to the sociological background and the so-called "post-modern condition" which made those narratives possible. Authors such as Eduardo Mendoza, José Angel Mañas, Javier Cercas, Belén Gopegui, Manuel Rivas, etc., will be read throughout the semester. Offered periodically.

Prerequisite: ML3600 or ML3500 or permission of ML faculty.

ML4520 Culture and Literature of the Spanish Caribbean 4 cr.

Taught in Spanish. A study of the major literary trends of this century in the Caribbean area (Dominican Republic, Puerto Rico, and Cuba) seen in a general Latin-American sociocultural and political perspective. Representative works by Henriquez Urena, Llorens Torres, Pales Matos, Guillen, del Cabral, Bosch, Marques, Carpentier, Laguerre, Cabrera Infante, Gonzalez, Cesaire, Mir, Burgos, Rodriguez-Julia, etc. Offered periodically.

Prerequisite: ML3600 or ML3500 or permission of ML faculty.

**ML4540 Latin American Culture and Literature:
From the European Conquest to Independence 4 cr.**

Taught in Spanish. This course will examine the variety of genres produced in Latin America, from the earlier historical writings (diarios, crónicas, relaciones, poemas épicos, etc.) through the European-inspired literatures of the Baroque, Neoclassic, and Romantic periods. The social and political ideas of the Enlightenment and subsequent "progressive" (liberal) ideologies, culminating in the Latin American Wars of Independence and the modern process of "nation building," will be studied within a literary context. Offered periodically.

Prerequisite: ML3600 or ML3500 or permission of ML faculty

ML4545 Civilization and Culture of Latin America 4 cr.

Taught in Spanish. This course will serve as an introduction to various aspects of daily life and culture in Latin American countries from early times to the present. We will explore the question of the Latin-American identity: What is Latin America and who are the Latin Americans? We will consider some of the significant intellectual, artistic, historical, and sociopolitical movements that have shaped Latin America since the beginning of its history. Major periods to be examined will be the pre-Columbian civilization, the "Conquista" and the colonial empire, the independence movements and the contemporary period. Students will become familiarized with major issues and institutions of Latin America as represented in contemporary Latin American essays, films, art, music, short stories, plays and novels. Offered periodically.

Prerequisite: ML3600 or ML3500 or permission of ML faculty.

ML4630 Latin American Literature 4 cr.

Taught in English. This course is a survey of Latin American literature since the conquest. The class will first read and discuss descriptions of the Americas as seen by the first European conquerors as well as pre-Colombian texts written by native Americans. We will then read representative works of various literary periods from baroque poems to "magical-realist" novels. We will analyze such themes as the collision of cultures, "civilization and barbarity", the African influence on Latin American letters and the making of a Latin American identity. Offered periodically.

Prerequisite: EMS.

ML4645 French Literature 4 cr.

Taught in English. This survey course is intended to serve as an introduction to French literature from the French classical age, in the 17th century, to the present time. Students will be guided through the reading and analysis of narrative fiction, plays and poems by major French writers so as to develop an understanding of the aesthetic and intellectual currents that have shaped French literature. Readings will be organized around thematic modules rather than in chronological order. Topics may include: representations of the self; stories of love and desire; the

making of modernity; tradition and experimentation; social reflections; colonialism and post-colonialism, among others. Offered periodically.

Prerequisite: EMS

ML4700 Studies in Spanish Literature of the Nineteenth and Twentieth Centuries 4 cr.

Taught in Spanish. A study of the major literary trends prevailing in Spain from the beginning of the 19th century to late 20th century: Romanticism, Realism, Naturalism, the "Generation of '98", the "Generation of '27", the era known as "la postguerra" and postmodernism. Representative works of poetry and prose will serve as an illustration of the historical, social and artistic issues characteristic of each period. Offered periodically.

Prerequisite: ML3600 or ML3500 or permission of ML faculty.

ML4725 The Novel and the City 4 cr.

Taught in Spanish. The course explores the basic connection between the modern period and the novel as a form, noting the parallel rise to prominence of the novel and the large urban centers. By the 19th century, the novel had become the most widely read form of literature, in Europe as well as in the Americas, and thus exercised considerable power not only to express but also to shape urban readers' understanding of themselves, their desires, and their relation to their social world. A selection of city-centered novels by Spanish and Latin American writers of the 19th and 20th centuries will help students understand how writers expand our awareness of urban sites and how they develop complex sets of themes and aesthetics concerns central to the urban experience. We will study crucial interpretive and narratological issues (character development, time and point of view) while also researching the development of public architecture and urban planning in the cities in question. Offered periodically.

Prerequisite: ML3600, or ML3500 or permission of ML faculty.

ML4750 Fiction Into Film: the Spanish and Latin American Cinema 4 cr.

Taught in Spanish. A study of classic Spanish-speaking films from Latin America and Spain and their contribution to Hispanic culture. The class will view, discuss and analyze films in the context of socio-political events and aesthetic movements, and place each work in cultural perspective. Particular attention will be paid to the ways in which literary works are translated into cinematic form, and to contrasting narrative practices in the novel and in film. Offered periodically.

Prerequisite: ML3600 or ML3500 or permission of ML faculty.

ML4800 Modernism and Modernity: The Latin American Experience 4 cr.

Taught in Spanish. An historical and analytical approach to the Modernist and Avant-garde movements in Latin American letters. Students will be introduced to the various aesthetic styles which flourished from the late 19th to the middle of the 20th century. The course will examine major poetic trends, as well as representative prose fiction of the two periods (Modernismo and Vanguardismo), paying particular attention to symbolism, decadentism, impressionism, surrealism, cubism, etc. Offered periodically.

Prerequisite: ML3600 or ML3500 or permission of ML faculty.

ML5400 Contemporary Literary Theory and Its Applications 4 cr.

Taught in Spanish. Recent contributions by Jacques Derrida (deconstruction theory), Edward Said (on orientalism), Julia Kristeva and Hélène Cixous (feminist theories) have questioned the authority of the author as well as the reader, and have brought into consideration other mechanisms that affect our critical evaluation of the world around us. This course attempts to establish principles for interpreting and evaluating literary texts, visual arts and films through readings of contemporary literary theory. Offered every third year.

Prerequisite: ML3600 or permission of ML faculty.

ML5450 Major Trends in Latin American Thought 4 cr.

Taught in Spanish. The course examines the major intellectual and artistic trends in Latin American letters, as reflected in the works of representative writers: Sarmiento, Bello, Martí, Rodó, Henríquez-Ureña, Mariategui, Zea, Paz, Vargas Llosa, among others. Readings of the historical, social and literary essay will constitute the primary focus of the course. Special attention will be given to regional and cultural differences. Topics such as race and ethnicity; national identity; the role of women in society, etc., will be closely examined. Offered every third year.

Prerequisite: ML3600 or permission of ML faculty.

ML5650 Contemporary Latin American Narrative 4 cr.

Taught in Spanish. Introduction to narrative techniques and socio-political topics prevalent in the contemporary Spanish American narrative. Authors include Borges, Arguedas, Cortázar, Carpentier, Rulfo, Bombal, García Márquez, Fuentes, Roa Bastos, Vargas Llosa, Poniatowska, Allende, etc. Offered every third year.

Prerequisite: ML3600 or permission of ML faculty.

ML5900 Senior Seminar 4 cr.

With the guidance and supervision of a faculty member, students must prepare a Senior Thesis. The thesis must focus on a specific area of Spanish language, Hispanic literature and culture involving detailed research. Offered every semester.

Prerequisites: Senior Standing in ML program; EMS. Students must have the approval of the Modern Languages Chair in order to register for this course. Note: Students may choose to take an additional 4000- or 5000-level course instead of completing Senior Seminar.

Arabic Courses

ML1300 Basic Arabic Language I **4 cr.**

This course provides an introduction to Modern Standard Arabic, the language of print and broadcast media throughout the Arabic-speaking world. Alongside conversation, a substantial portion of the course will be devoted to mastery of basic reading and writing skills. Students will be introduced to common greetings, numbers, colors and basic vocabulary relevant to everyday environments. By the end of the course, students should be able to formulate questions and present basic information about themselves relating to family and school experience. Music, visual media, maps and other supplementary material (including field trips, as possible) will reinforce language skills and introduce students to the diverse aspects of culture in the Arab world. Offered periodically.

ML1310 Basic Arabic Language II **4 cr.**

This course continues the introduction to Modern Standard Arabic, the language of print and broadcast media throughout the Arabic-speaking world, begun in Basic Arabic Language I. Students will progress toward simple conversations about themselves and others, classroom and travel experience, leisure activities and basic needs. By the end of the course, students should have mastered several hundred words of vocabulary. Work on reading and writing skills will continue, so that students can create and recognize the vocabulary in written form, as well as understanding authentic printed material such as signs and newspaper headlines. Music, visual media, maps, interviews and other supplementary material (including field trips, as possible) will reinforce both language skills and cross-cultural understanding. Offered periodically.

Prerequisite: ML1300 or permission of Instructor.

Chinese Courses

ML1200 and ML1210 Basic Chinese I-II **4 cr.**

Open to students with no previous, or limited, knowledge of Chinese. Each provides for acquisition of communication skills in Chinese and introduces writing. ML1200 offered in the fall and ML1210 in the spring.

Prerequisite for ML1210: ML1200.

French Courses

ML1000 - ML1010 Basic French I and II **4 cr. ea.**

Open to students with no previous training in French. Each provides for acquisition of the communication skills in French, with special emphasis on aural comprehension and speaking. Students are also given the opportunity to achieve basic competency in reading and writing. Both courses are offered in the Fall and in the Spring.

Prerequisite for ML1000: No prior French, or not more than one year of high school French.

Prerequisite for ML1010: ML1000 or permission of ML faculty.

ML2000 Intermediate French I **4 cr.**

This course provides for a broadening and intensification of the four language skills (listening, speaking, reading and writing) in standard French. It is designed for students who have had at least 2 years of high school French or have some familiarity with basic vocabulary and structures. Offered periodically.

Prerequisite: ML1010 or permission of ML faculty.

ML2010 Intermediate French II **4 cr.**

Designed for students who wish to improve their ability to write in French, to expand their vocabulary and to lessen the interference of English in French oral communication. The course will offer a review of grammar and correct usage and intensive oral practice based on different topics related to French-Caribbean culture. Reading and writing assignments will help students sharpen their communication skills in standard French. Offered periodically.

Prerequisite: ML2000 or permission of ML faculty.

Italian Courses

ML1400 and ML1410 Basic Italian I and II **4 cr. ea.**

Open to students with no previous, or very limited, knowledge of Italian. Each provides for acquisition of communication skills in Italian, with emphasis on aural comprehension and speaking. Students will also develop basic competency in reading and writing. ML1400 offered in the fall and ML1410 in the spring.

Prerequisite for ML1400: No prior study of Italian, or not more than one year of high school study.

Prerequisite for ML1410: ML1400 or permission of Instructor.

Sign Language Courses

ML1150 American Sign Language I **4 cr.**

An introduction to American sign language, the natural language of the deaf community in the United States and Canada. Focuses on conversations in sign, basic rules of grammar and aspects of the deaf community. Offered in the summer.

ML1160 American Sign Language II **4 cr.**

Continuation of basic American sign language and deaf culture study, with opportunities to build receptive and expressive sign vocabulary and phrases; use of signer space; social expressions and body language; introduction to fingerspelling. Offered in the summer.

Prerequisite: ML1150.

Punjabi Courses

ML1600-ML1610 Basic Punjabi I and II

4 cr.

Basic Punjabi I and II introduce students to basic Punjabi Language skills: reading, writing, speaking and listening. Emphasis is placed on the history and culture of Punjab. Basic I is designed for students with no experience in the language. Basic II is open to students who have completed basic Punjabi I or its equivalent.

POLITICS, ECONOMICS AND LAW COURSES

All course offerings are contingent on budgetary allocations, faculty resources and enrollment figures and unless otherwise indicated, are offered in accordance with student demand.

PE1401 Introduction to Economics

4 cr.

A survey course that begins with a brief examination of the evolution of the modern market economy and of the major schools of economic thought. The course progresses to an explanation of fundamental economic principles and concepts and to the study of some contemporary economic problems in the U.S. Offered periodically.

Prerequisite: EC I.

PE1600 People, Power, Politics

4 cr.

An introductory course that begins with an examination of the nature of power in different areas of human experience, and then proceeds to look at power issues related to lawmaking, governmental institutions, and political participation both inside and outside of those institutions. The course is intended to illustrate the various sources of power that people possess to bring about political and social change. It draws on current events in order to better illustrate the topics discussed. Offered periodically.

Prerequisite: EC I.

PE2220 Introduction to Urban Issues

4 cr.

An examination of various perspectives on urban areas and of important urban issues, including social problems of minority communities, housing and public services. Offered every semester.

Prerequisite: EC I.

PE2240 Introduction to Latin American Studies

4 cr.

This course is an interdisciplinary introduction to Latin American history, social and economic development, and diverse cultures. Historical documentaries, readings, and dramatic films are used to examine the legacies of colonialism, uneven development, reform and revolution, the social construction of race, and changing gender roles. Offered every Fall.

Prerequisite: EC II.

PE2300 Introduction to Law

4 cr.

This course is intended to familiarize students with the basic substantive, procedural, and structural components of the legal system of the United States of America. This course provides an introduction to the common law and the essential characteristics of the United States legal system: basic constitutional structures and the judicial function, the basics of legal methodology, the role of the legal profession in an adversary system and a survey of core legal principles in different areas of the law. Offered every semester.

Prerequisite: EC I.

PE2400 Introduction to Political Economy

4 cr.

This course is an introduction to capitalism, as seen initially through the great works of political economy by Adam Smith, David Ricardo and Karl . It presents their writings in a theoretical and social context, as well as in relation to modern economics. The curriculum then turns to the present and applies this foundation to an examination of economic crises, labor exploitation, the profit motive, and the role of the government under capitalism. Offered every semester.

Prerequisite: EC I.

PE2420 Principles of Microeconomics (Equivalent to BU2420)

4 cr.

An introduction to neoclassical economic theory. Consumer and producer behaviors, price formation in the market and the role of the market in allocating resources and coordinating social production are among the topics covered. Offered every semester.

Prerequisite: ECII.

PE2430 Principles of Macroeconomics (Equivalent to BU2430) 4 cr.

An introduction to conventional macroeconomic theory, including the determination of national income, government taxing and spending policy, money and banking, unemployment, and inflation. Offered every semester.

Prerequisite: ECII.

PE2650 Introduction to U.S. Politics 4 cr.

This introduction to power and politics in the U.S. explores the Declaration of Independence and the Constitution; public opinion, interest groups, social movements, and voting; the institutions of Congress, the Presidency and the Supreme Court; and the making of current policies. Emphasis is placed on issues of power, democracy, and political and social change. Offered every semester.

Prerequisite: EC I.

PE3100 International Relations 4 cr.

Introduces principles of state-to-state relations, basic modes of resolving international disputes and the evolution of international organizations. The course emphasizes how each individual is related to global politics and encourages students to study and propose solutions to some of the most severe problems of human rights, national security and environmental survival. Offered every semester.

Prerequisite: ECII.

PE3155 Model United Nations 4 cr

The course prepares students for a Model United Nations conference where students perform the role of a diplomat from an assigned country. Students acquire a working knowledge of the United Nations, a familiarity with current issues on the international agenda, an in-depth knowledge of an assigned country, an unparalleled experience in conducting primary research, and practice negotiation and public speaking. Offered every spring semester.

Prerequisite: EC11 and instructor's approval.

PE3201 Statistics 4 cr.

Surveys the basic topics of modern statistics, including descriptive statistics, probability theory, probability distributions, hypothesis testing, simple regression.

Prerequisite: MA1020.

PE 3240 Inter-American Relations and Immigration 4 cr.

This course examines the political, economic, and social processes that shape foreign policies and international relations in the Western Hemisphere, and the consequences of those policies and relationships for the peoples of the hemisphere. The main themes include manifest destiny, imperialism, the Cold War, neoliberalism, and inter-American immigration. Offered every other Spring.

Prerequisite: ECII.

PE3400 Global South 4 cr.

Analysis of the major political, economic and social problems of the Global South (i.e. nations of Africa, Asia, Latin America, and the Caribbean). The course traces broadly the history of colonialism and considers its impact on the post-colonial political economy of the Global South. Case studies may complement the general analysis. Offered every semester

Prerequisite: ECII.

PE3410 Contemporary U.S. Political Economy 4 cr.

This course is designed to familiarize the student with the workings of the economy within a class and institutional context. Focuses on the economic history of the United States from the perspective of competition between firms, management/worker relations and the involvement of the state in the economy. Offered every semester.

Prerequisite: ECII.

PE3425 Economic Analysis-Micro 4 cr.

An in-depth study of price theory. Develops and redefines the neoclassical principles presented in PE2420. Emphasizes the application of economic theory to public policy making.

Prerequisite: PE2420 or BU2420.

PE3435 Economic Analysis-Macro 4 cr.

A detailed analysis of classical, Keynesian, monetarist, and rational expectation theories of income determination and growth.

Prerequisite: PE2430 or BU2430.

PE3440 International Economics 4 cr.

The focus of this course is international trade theory and policy. It covers as well certain fundamental aspects of international monetary economics. The curriculum is designed to provide students with the basic skills required for an understanding and critical analysis of the principal global economic issues facing the United States and the world today. Offered periodically.

Prerequisite: PE2420 (BU2420) or PE2430 (BU2430).

PE3450 Women from a Global Perspective 4 cr.

This course examines the various roles of women in the global economy, with particular emphasis on the international division of labor. It provides a class, ethnic and historical analysis of the study of women as part of economic and social change. Case studies of women in advanced capitalist and Third World nations show their increasing interactions. Offered periodically.

Prerequisite: ECII.

PE3610 Conflict and Revolution in the 20th Century 4 cr.

Rapid changes in the global economy, the rise of 20th Century social movements as well as ethnic tensions have led to conflicts in various parts of the world. The different origins of the violence as well as the outcomes are the subject matter of this course. Case studies including the Middle East, Africa, Latin America and the Caribbean, China and the U.S. Civil Rights movements are used selectively to illustrate instances of rebellion.

Prerequisite: ECII.

PE3690 City & Suburb: Political Action and Change 4 cr.

A survey of city and suburban organization practices. Examines the role of the community organization in fostering local autonomy and as an agency for social, political and economic change in our cities and suburbs.

Prerequisite: ECII.

PE3720 Long Island: Economy, Environment and Society 4 cr.

Most Americans now live in suburban areas like Long Island. Since the Second World War and the building of Levittown, Long Island's economy has been transformed from an agricultural area to a bedroom community. Its natural amenity allowed the creation of a number of parks known world over. Since the seventies, the area has witnessed a boom in commerce and lately, of office space. The course covers the past and recent changes in this region.

Prerequisite: ECII.

PE3750 Politics of Race and Class 4 cr.

This course explores the intersection of race and class in the U.S., inquires into the relationship between race and quality of life, and examines limitations on the representativeness of the political system at federal, state, and local levels of government. Central to the course is the question of government responsiveness on issues of race and class. Particular attention is paid to the operation of U.S. political parties, to elections and voting, to legislative process and executive leadership, and to media performance in public debate. Delete: Offered periodically.

Prerequisite: EC II.

PE3850 State and Local Politics 4 cr.

The course examines government and politics at the state and local level, with particular emphasis on New York State. It discusses issues in state and local government and the impact of the competing interests of the people of New York on public policy. It also explores the historical context and contemporary state of policy initiatives on issues such as criminal justice, welfare, health care, education, immigration, the environment and taxation. Offered periodically.

Prerequisite: ECII.

PE4100 International Organizations in the Global Economy 4 cr.

This course explores various approaches to international organizations and the contribution these organizations make to the creation, maintenance, and change of world order. Current issues facing the United Nations and its specialized agencies, the Bretton Woods financial institutions, and regional organizations will be examined. While much attention is given in this course to the role of permanent, intergovernmental organizations, the course also examines the role of nongovernmental organizations, international law, treaties, and norms in international relations.

Prerequisite: Upper-Division standing.

PE4150 Terrorism and Politics 4 cr.

The class seeks to understand what terrorism is (and is not), and how new networks of political and religious activists differ strategically from those who used older forms of violence. Building on concepts of international law and organizations, we study both military and non-military approaches to ending terrorism. Students learn about relations between political power and how the suppression of democratic critique is related to terrorist violence. We ask: Does the curtailing of our freedom of expression, assembly and association, writ of habeas corpus and denial of legal representation help or hinder our efforts to end terrorist actions? Offered periodically.

Prerequisite: PE3100 is helpful, but class is open to any students with upper-division standing.

PE4275 Applied Econometrics 4 cr.

Builds on the knowledge and skills in statistics by the study of simple and multiple regression analysis to test empirical propositions in economics and to forecast economic time series. Students are also required to become fluent in the use of a statistics computer program.

Prerequisite: MA2300, MA2310, PE3201 or BU3201.

PE4200 Middle Eastern Politics 4 cr.

Recent events like the terrorist attacks of September the 11th, the Persian Gulf Wars, the U.S. occupation of Iraq, the Arab-Israeli conflict, the rise of political Islam have highlighted awareness of the significance of the Middle East in world politics as well as the lack of understanding about the region in the West. This course explores the

geographic, historical, political, economic, and cultural aspects of the Middle East, covering such topics as the making of the modern Middle East, Arab nationalism, the U.S. occupation of Iraq, the Palestinian-Israeli conflict, Islam and human/women's rights, and Iran and the bomb.

Prerequisite: Upper-Division standing.

PE4280 Environmental Politics

4 cr.

The course will begin by examining the crucial biophysical, economic, and social issues facing local communities and political leaders today. In the second part of the course students are brought through the history, organizations, interests groups, and processes that shape U.S. and international environmental policy. The latter will conclude with the current debates that inform policies and negotiations within such institutions as the WTO, United Nations and agreements such as NAFTA. Students will be assigned examples of communities that have confronted environmental problems and they will research the processes by which those communities addressed them.

Prerequisite: Upper-Division standing.

PE4325 Jurisprudence: Legal Thought

4 cr.

This course is a survey of major theoretical approaches to the nature, purposes, interpretation, and practice of law. Through primary classical and contemporary documents, we will explore "classical" legal philosophies such as natural law and legal positivism, as well as the more "modern" theories of American legal thought: legal realism, law and society, feminist legal theory, critical race theory, and queer legal theory.

Prerequisite: Upper-Division standing.

PE4409 Urban Economics

4 cr.

This course examines the evolution of cities and metropolitan areas as centers of production and the relationship of urban economics to regional, national, and international economics. Attention is paid to the failure to meet the needs of significant numbers of people in urban areas. Offered periodically.

Prerequisite: Upper-Division standing.

PE4430 Health Economics

4 cr.

Health Economics provides a broad overview of healthcare delivery and finance systems, both in the U.S. and abroad, and explores the role that economic theory plays in the national healthcare reform debate. The student will be introduced to a number of basic theoretical tools used in economics to explain the allocation of scarce resources in healthcare markets. The course will also explore a number of controversial questions involving the rationing of care, "market failures" in the current healthcare system, disparities in access to care, and the extent to which recent healthcare reform legislation addresses these issues.

Prerequisite: Upper Division Standing.

PE4450 The Politics of Gender and Sexuality

4cr.

This course examines constructions of gender and sexuality as well as gender and sexual hierarchies in the United States. It analyzes the development and implementation of public policies in such areas as childbearing and abortion, sodomy, statutory rape, sexual harassment, forcible rape and domestic violence, affirmative action, marriage, HIV-status, welfare reform, and political participation and representation. Students will investigate questions such as what role can, does, and should the state play in regulating gender and sexuality—what is the dividing line between protecting versus policing gender expression and sexual expression? How have certain constructions of gender and sexuality been used to wield power against people of color, people in poverty, and people who are unmarried? How has such oppression been resisted and what have been the effects of such resistance? Offered periodically.

Prerequisite: Upper Division Standing.

PE4455 Economic Development

4 cr.

A comparative study of economic development strategies and problems of Third World countries. The course will locate the application of development strategies in different institutional and political settings. The implication of debt repayment on economic development will also be examined.

Prerequisites: PE3400 and Upper-Division standing.

PE4460 International Finance

4 cr.

Surveys three areas: international financial markets; open-economy macroeconomics; and international monetary systems and policy. Specific topics include position taking, arbitrage, parity conditions, international banking, monetary and fiscal policy, capital mobility, fixed and flexible exchange rates, the gold standard, Bretton Woods, and the current "free market" international monetary order.

Prerequisite: PE2430.

PE4470 History of Economic Thought

4 cr.

Surveys both the central tenets and the divergences among various schools of economic thought, e.g., classical, American institutionalism, Keynesianism, etc. The relationship between economic ideas and their social contexts is emphasized. Offered every other semester.

Prerequisites: PE2420 (BU2420), PE2430 (BU2430) or Upper-Division standing.

PE4580 Origins of the Capitalist Economy **4 cr.**

Studies the economic and social origins of the modern world, from different intellectual perspectives. Topics include antiquity, feudalism, the emergence of capitalism, the Industrial Revolution, the French Revolution, the spread of capitalism, the development of underdevelopment in the Third World, monopoly capitalism and imperialism, the Great Depression. Offered every other semester.

Prerequisite: Upper-Division standing.

PE4590 Global Economy in the 20th Century **4 cr.**

This course analyzes political and economic change in selected countries of the region from the mid-twentieth century to the present. It examines the impact of foreign control over local resources, uneven capitalist development, class conflict, and the contemporary “pink tide” of new governments on poverty, inequality, and social progress. Offered every other Spring.

Prerequisite: PE3410, or PE2420, or PE2430, or upper division standing.

PE4600 Depression Economics: Lessons from the Great Depression and the Great Recession **4 cr.**

This course studies depression economics—a recently revived branch of macroeconomics that seeks to understand the causes and policy remedies for large, contagious, global collapses in output and employment. We will analyze the causes and policy remedies for depressions by comparing and contrasting the Great Depression of the 1930s with the Great Recession of 2008. The advantage of the comparative approach is that it will enable us to isolate important common characteristics of these two depressions; the circumstances that made each of these crises unique; and it can provide important lessons for thinking about how to prevent future depressions. Offered every two years.

Prerequisite: PE2420 or PE2430 or Upper Division Standing.

PE4609 Public Administration **4 cr.**

Examines organizational theories and their application in public policy. Focuses on how decisions made at various levels of government are implemented in local urban and non-urban areas. The course involves field work, visiting public offices and contacting interviews of role players in public administration case study projects. Offered periodically.

Prerequisite: Upper-Division standing.

PE4610 Political Power and Social Class **4 cr.**

This course analyzes the interaction of political power and social class from two vantage points—power from above and power from below. The first part of the course considers pluralist and conflict theories of the relationship between the state and society. The second part focuses on social movement theories, using cases from various parts of the world to illustrate effective challenges to entrenched political power as well as obstacles faced by people who feel excluded from institutions and structures of power.

Prerequisite: Upper-Division standing.

PE4620 Political & Social Thought **4 cr.**

Examines significant contributions to the development of western political thought from the Greeks to the 19th century. Explores in depth works by Plato, Machiavelli, Hobbes, Locke, Rousseau, Burke and John Stuart Mill. Offered every other semester.

Prerequisite: Upper-Division standing.

PE4650 Topics in U.S. Politics **4 cr.**

This course examines current debates and divergent views on a wide range of economic, political, and social issues. Offered periodically.

Prerequisite: PE2650 or Upper-Division standing.

PE4655 Constitutional Law and Politics **4 cr.**

This course examines the role of the Supreme Court in battles over representative government and struggles for power between political institutions. Emphasis is placed on cases dealing with separation of powers, federalism, economic regulation and property rights, elections and voting rights. Attention is given to the historical context of cases, the internal politics of the court and the political implications of court decisions. Offered periodically.

Prerequisite: Upper-Division standing.

PE4658 Law and Civil Liberties **4 cr.**

Examines the historical development and philosophical and political underpinnings of constitutional civil liberties. Analyzes Supreme Court cases and other writings on such topics as freedoms of speech, press, religion, assembly, petition, and association; the right to privacy; police searches and seizures; self-incrimination; the rights to counsel and to fair trials; and cruel and unusual punishment and the death penalty. Offered periodically.

Prerequisite: Upper-Division standing.

PE4659 Law and Civil Rights **4 cr.**

Examines the historical development and philosophical and political underpinnings of constitutional civil rights. Analyzes Supreme Court cases and other writings on discrimination based on race, ethnicity, gender, sexuality, and class, and discusses such topics as desegregation, affirmative action, voting and political representation, privacy, sexual harassment, Native American treaties, and welfare benefits. Offered periodically.

Prerequisite: Upper-Division standing.

PE4660 Politics of India and the Region**4 cr.**

Introduction to the politics of selected countries in the Indian subcontinent. The course will examine the origins of the independence movements. Major emphasis will be placed on post-independence politics, social and economic change. Offered periodically.

Prerequisite: Upper-Division standing.

PE4665 Human Rights**4 cr.**

This course aims to provide students with a broad working knowledge of human rights as both an intellectual discourse and a realm of political action. The course examines: the emergence and institutionalization of human rights in the 20th century, human rights as a form of international politics, the difficulties in enforcing international standards as well as a specific analysis of a number of human rights issues. Offered periodically.

Prerequisite: Upper-Division standing.

PE4690 Politics of Latin America and the Caribbean**4 cr.**

This course analyzes political and economic change in selected countries of the region from the mid-twentieth century to the present. It examines the impact of foreign control over local resources, uneven capitalist development, class conflict, and the contemporary "pink tide" of new governments on poverty, inequality, and social progress. Offered every other Spring.

Prerequisites: PE 2240, PE 3100, PE 3240 or PE 3400 or Upper-Division standing.

PE5990 Internship**4 cr.**

This internship will give students practical experience in the fields of public policy, legal affairs, economics as well as state and local governments. Students will be working in various public nonprofit advocacy agencies. The working hours and duration of the internship will be determined by the instructor and the agency. Students will be required to submit a journal and a portfolio of work at the end of the semester. This is an excellent opportunity for students to acquire training in their chosen area of specialization.

Prerequisites: Introductory courses in PEL and permission of the instructor.

PE9970 New York State Assembly Session Internship**15 cr.**

This is a fifteen-credit course that takes place in Albany every spring semester. It begins the first week of January and runs through the middle of May. Students work approximately 30 hours per week in the office of a member of the New York State Assembly and take one seminar course focusing on government and politics in New York State. The State provides a stipend to assist with relocation and housing. Enrollment is by application and is competitive. Application deadline: mid-October.

SCHOOL OF PROFESSIONAL STUDIES

COURSES

All course offerings are contingent on budgetary allocations, faculty resources and enrollment figures, and are offered in accordance with student demand, unless otherwise indicated.

Note that PS courses do not count toward requirements in the School of Business.

PS1080 Equine Management**4 cr**

This course is designed to impart a general knowledge of the nature and care of horses. Topics will include basic horse care and welfare and horse management. Emphasis is placed on the skills necessary to manage an equine facility. Management principles appropriate to both large operations and the backyard environment will be conveyed. Skills learned will include safe horse handling techniques, grooming techniques, conformation evaluation, health assessment, first aid/bandaging, feed evaluation, bedding, assessment of horse temperaments, and facilities evaluation.

Prerequisite: ECI

PS2225 Applied Statistics for Management**4 cr.**

An introduction to effective use of data by understanding the basics of statistical analysis such as descriptive statistics, probability, lying with statistics, hypothesis testing, and simple regression.

Prerequisite: MA 1010 or equivalent

PS2325 Business Economics**4 cr.**

An introduction to the basic principles of economics including some international topics in trade and currencies. Topics include: Markets, inflation, interest rates, employment, international trade, exchange rates, and fixed and variable costs.

Prerequisite: ECI.

- PS3125 Accounting for Managers** **4 cr.**
 An introduction to the basics of an Accounting System. Topics include: double entry, accrual accounting, cash, accounts receivable and payable, inventory management, fixed assets, financial statements preparation and analysis, earnings, debt, and cash flows.
Prerequisite: MA1020 or equivalent
- PS3225 Communications for Business** **4 cr.**
 An introduction to the fundamentals of effective communication oral and expository. Topics include: different types of communication and the art of using them effectively such as planning, research, clarity and goals.
Prerequisite: EMS.
- PS3275 Information Systems for Business** **4 cr.**
 An introduction to modern information technologies, their application, and management. Topics include: uses of information technology in business decision-making and operations, assessment of business needs and technological solutions' potential to meet them, and developments in information technology and their implications for businesses in the future.
Prerequisite: EMS.
- PS3325 Principles of Management** **4 cr.**
 An introduction to managerial principles as they apply to organizational units -- profit and nonprofit in today's economy. Topics include: organization leadership, ethics, communication, and control.
Prerequisite: EMS.
- PS3425 Fundamentals of Marketing** **4 cr.**
 An introduction to marketing principles including product planning, distribution, pricing, promotion, and competition.
Prerequisite: EMS.
- PS3995 Career Internship** **4 cr.**
 Career internships are designed to give students without experience in business an opportunity to gain direct experience in business operations, or students currently employed an opportunity to reflect critically on the structure and activities of their workplace. Opportunities are subject to availability. See the Director of the SPS for requirements and details.
Prerequisite: Permission of Director.
- PS4230 Business Law** **4 cr.**
 An introduction to the legal system as it pertains to business including the court system, consumer protection, the law of contracts, agency, business structures, sales and risk of loss.
Prerequisite: EMS.
- PS 4330 Fundamentals of Financial Markets** **4 cr.**
 An introduction to the financial system including financial assets, financial institutions and financial markets of different types. Topics include: Stock and bond markets, interest rates, international financial markets, and currencies.
Prerequisite: PS 2325 or PE 2420 or PE 2430.
- PS4420 Entertainment & Sports Management** **4 cr.**
 What are the skills and strategies needed to successfully manage athletes, entertainers, college teams, professional teams, bands, singers, rappers, broadcasters, arenas, and events? This course will survey the entertainment and sports industries; examine the relationship between organizational structures and individual career paths, and explore the roles knowledge, motivation, organization, communication, charisma, work ethic, luck, and timing play in becoming a successful entertainment or sports manager.
Prerequisite: EMS.
- PS4430 Entertainment and Sports Marketing** **4 cr.**
 Students will learn principles and strategies for marketing entertainers, concerts, athletes, teams, leagues, merchandise, special events and motion pictures. The course will develop an understanding of target markets, market research, product positioning, product pricing, point of purchase and e-commerce. It will also explore how the marketing of entertainment and sports has become a cultural phenomenon and one of the most formidable economic forces in today's global marketplace.
Prerequisite: EMS.
- PS4440 Entertainment, Sports and Media** **4 cr.**
 From television to cable to DVDs to Netflix, pay-per-view, video games and beyond, today's ever evolving media shapes and reshapes the entertainment and sports industries. In this course, students will learn how today's media has impacted college and professional sports leagues, conferences and merchandise. The course will explore issues like why certain feature films are more profitable than others and the growing impact of documentary films and independent films on the film industry. The course will examine how the media's role as information provider, persuader, and social commentator make it one of the most powerful forces of change in the worlds of both Sports and Entertainment today.
Prerequisite: EMS.

PS5425 Entertainment and Sports Law**4 cr.**

This course will address the legal issues associated with contracts, copyrights, trademarks, arbitration, mediation and collective bargaining as well as occupational health and safety in both the Entertainment and Sports industries. Case studies of contemporary issues like the downloading of music, payment of college athletes, and rules governing endorsements will be used to illuminate the legal structures and developments that dominate the Entertainment and Sports industries.

Prerequisite: PS4230 or BU3600.

PS5435 Entertainment and Sports Finance**4 cr.**

Students will learn how to read a balance sheet and apply that knowledge to protect assets and minimize expenses related to Entertainment and Sports enterprises. Financial concepts such as budgeting, allocation of assets, managing capital and debt as well as tax planning will be explored in relation to these industries. Finally, what can be done to help manage a client's finances so they will have enough to live comfortably for the rest of their lives upon retiring from playing or performing will be discussed.

Prerequisite: PS3125 or BU3502.

PSYCHOLOGY COURSES

All course offerings are contingent on budgetary allocations, faculty resources, and enrollment figures, and unless otherwise indicated, are offered in accordance with student demand.

PY 2xxx Introduction to Human Development

(For 2000-level elective credit for transfer students only.)

This introductory level course surveys human development across the lifespan. Major theories and research evidence regarding physical, cognitive, and psychosocial growth and development will be presented. Issues relevant to development at different stages of life will be explored. Diversity, including the impact of gender, race, cultural and socioeconomic background on development will be discussed throughout the course. Not offered at Old Westbury; only accepted as transfer credit.

Prerequisite: ECI.

PY2010 Introduction to Psychology**4 cr.**

A prerequisite to all other psychology courses. Based on methods and data of scientific psychology, this course investigates basic principles of behavior. The socio-cultural context in which humans develop is emphasized throughout. Areas of psychology to be covered include neurophysiology, cognition, learning, developmental, social, personality, and abnormal. Offered every semester. Minimum grade of C required.

Prerequisite: ECI.

PY2340 Community Psychology**4 cr.**

This course focuses on the application of community psychology action research practices and community psychology constructs to the development and provision of resources and services necessary to well-functioning communities capable of meeting the basic, medical, mental health, safety and welfare needs of all of its members. The impact of structural inequalities, political and social organization, social class, culture, ethnicity, race, gender and ability are central concerns of the course. Students are required to visit/research local and regional community based resources and agencies, develop a written protocol for a prevention or promotion program which could be realized based on the principles studied in the course. Relevant Community Psychology concepts are assessed through a series of written exercises and activities. Offered every semester.

Prerequisite: ECI.

PY2420 Introduction to Mindfulness**4 cr.**

This course will introduce contemplative practices including breathing, body scan, walking and loving kindness meditation, reflective journaling and, yoga. Mindfulness attitudes and their application to study skills and identity as learners, stress and relationships will be explored. Topics covered will include research on the effect of meditation on the brain and the relevance of mindfulness to environmental awareness, social activism and therapeutic approaches. Assignments will include journals, essays, behavioral observations and experiential exercises. Small group and team work, CD's and videos will be used to encourage student engagement with diverse perspectives.

PY2530 Psychology of Prejudice and Discrimination**4 cr.**

This course explores the impact of prejudice and active discrimination as social and psychological processes on individuals, groups and communities. The effects of prejudgment and discrimination as they manifest in structural inequalities, classism, racism, ethnocentrism, exceptionalism, genderism and sexism, and discrimination against the differently abled are investigated. Institutionalization of these patterns and similarities/differences between

these concepts are examined. Students will explore their own understanding, experience and perpetuation of prejudice and discrimination as well as relevant theoretical information and current real life manifestations of these social-psychological dynamics of human behavior. An examination of social action principles that redress these dynamics will be covered. Offered every semester

Prerequisite: ECI.

PY2720 Psychology of Gender

4 cr.

An introductory-level psychology course which examines the biological and sociocultural correlates of sex and gender. The attitudes, self-concepts and societal roles of men and women are explored through research findings, film, selections from current literature, and reflections on personal experience. The complex interplay of culture and social class on gender roles is examined. Race, ethnicity, and sexual orientation are included in readings and discussion. Analytical and critical thinking skills and communication of ideas are emphasized throughout the course.

Prerequisite: ECI.

PY2730 The Psychology of Peoples of African Descent in the United States

4 cr.

This course focuses on the psychology and mental health of peoples of African descent in the United States. The treatment of peoples of African descent in research and theoretical literature is critically analyzed, especially in relation to racial identity, self-concept, strengths, resilience, and family dynamics. The study and impact of public policy, socio-cultural context, social class, gender, sexual orientation and ethnicity on psychological functioning is central to the course. Small group projects and activities are used to enhance multicultural communication and collaborative learning. Offered every other year.

Prerequisites: ECI.

PY3020 Health Psychology

4 cr.

A broad, comprehensive review of theories, trends, research, and psychological interventions related to health and human behavior. Biological, psychological, and social factors involved in health issues will be discussed, along with a more pragmatic understanding of the connection between physical health and psychological processes and behavior. Specific health concerns to be discussed include stress and coping; cardiovascular diseases, cancer, diabetes, AIDS and other diseases of the immune system. The impact of socioeconomic status, race and ethnicity, and gender on health will also be examined. Offered once a year.

Prerequisites: PY2010 (with a minimum grade of "C"); EMS.

PY3110 Research Methods I

4 cr.

Introduces the student to the basic research methodologies in psychology. Combining lecture and laboratory exercises, students are exposed to experimental and non-experimental research paradigms. Emphasis is placed on the process of scientific inquiry in general, and the concepts and terminology of psychological research in particular. Ethical considerations of psychological research are explored. Discipline-specific library skills, the critical reading of the professional literature, and research report writing are emphasized. Students are required to write at least one empirical research report in the style recommended by the American Psychological Association. Offered every semester.

Prerequisites: PY2010 (with a minimum grade of "C"); EMS.

PY3120 Research Methods II: Basic Statistics for Psychologists

4 cr.

An introduction to statistical methods. Topics include descriptive statistics (measures of central tendency and dispersion, correlation) and basic inferential statistics (sampling distributions; t-tests; chi square tests). Emphasis is on both the underlying conceptual framework of statistical analysis and on carrying out simple statistical procedures. Offered every semester.

Prerequisites: PY2010 (with a minimum grade of "C"); PY3110 (with a minimum grade of "C"); EMS ; math proficiency required.

PY3215 Foundations of Child Development

4 cr.

This course focuses on child development, primarily during the preschool and school-age years (ages 2-12). Major theories and research evidence will be presented relating to three areas of children's growth and development: (1) physical, including sensory-motor and brain development; (2) cognitive, including language, information processing and memory, problem solving, and metacognition; and (3) emotional and psychosocial, including self-identity, self-concept, and social functioning. Factors affecting children's development, including socioeconomic status, racial and multicultural backgrounds, gender and other diversity will be discussed throughout the course, along with additional societal influences, such as family, peer, schools and teachers, and the media. Lectures, videos and discussions, class exercises, and assigned projects are intended to enhance understanding of healthy growth and relevant issues and threats to children's development.

Prerequisites: PY2010 (with a minimum grade of "C"); EMS.

PY3230 Adulthood & Aging

4 cr.

This course explores psychological development in the social context from early adulthood to old age. Personality theories and research methods as they apply to the study of aging are reviewed. Life cycle changes in family and work structure and roles are discussed. Additional topics include demographics, coping and successful aging, health, friendship and community, and death and dying. The impact of gender, culture and race and socioeconomic background are examined throughout. The course includes in-class exercises and a senior interview project.

Prerequisites: PY2010 (with a minimum grade of "C"); EMS.

- PY3310 Abnormal Human Behavior** **4 cr.**
 Explores mental illness and other forms of abnormal behavior. In addition to surveying individual diagnostic categories, the course examines various explanations of mental illness (biological, psychodynamic, behaviorist, cognitive, and sociocultural), and issues of diagnosis, assessment, and treatment. Offered every semester.
Prerequisites: PY2010 (with a minimum grade "C"); EMS.
- PY3311 Theories of Personality** **4 cr.**
 A survey of the major theories of personality and personality development, including psychoanalytic, behaviorist, cognitive, existential, and sociocultural theories. Offered once a year.
Prerequisites: PY2010 (with a minimum grade of "C"); EMS.
- PY3320 Peer Counseling** **4 cr.**
 This course is a blend of scholastic study and practical training in precise questioning and listening skills. Students are educated in approaches to counseling and are trained to become proficient at entering into trained supportive relationships with their peers in a wide range of student-generated counseling services. Offered on demand.
Prerequisites: PY2010 (with a minimum grade of "C"); EMS.
- PY3330 Psychology of Addictions** **4 cr.**
 This course presents addiction and recovery as a function of the dynamic interaction among biological, psychological and environmental factors. Addiction is discussed as neuropathy, psychopathology and maladaptive behavior. The basics of behavioral psychopharmacology are presented and discussed with regard to prescribed and self-administered drugs. Emphasis is placed on the role of personality in addiction from a psychodynamic/interpersonal perspective. Treatment and rehabilitation strategies developed out of this model as well as those developed out of cognitive-behavioral, 12-step, and psychopharmacological models are presented and integrated. Field visits to appropriate self-help groups and treatment centers may be required.
Prerequisites: PY2010 (with a minimum grade of "C") and any other course in Psychology at the 3000-level or higher; EMS.
- PY3410 Cognitive Psychology** **4 cr.**
 Theoretical, conceptual and empirical issues in cognition will be examined from an information processing perspective. The course also includes a survey of neurophysiological aspects of perception, memory and cognitive processes. Offered once a year.
Prerequisites: PY2010 (with a minimum grade of "C"); PY3110 (with a minimum grade of "C"); EMS.
- PY3420 Learning and Motivation** **4 cr.**
 Explores major theoretical and empirical issues in the area of learning, classical and operant conditioning, and examines the role of motivation and emotion in learning. The course also surveys physiological, psychoanalytic and social learning theories of motivation and emotion. Offered once a year.
Prerequisites: PY2010 (with a minimum grade of "C"); EMS.
- PY3430 Decision-Making and Judgment** **4 cr.**
 This course examines how people make decisions and judgments and how these decisions and judgments affect one's personal life and society. Topics include, but are not limited to, biases in ones' search for evidence, anchoring and adjustment, group think, framing and heuristics.
Prerequisites: PY2010 (with a minimum grade of "C"); PY3110 (with a minimum grade of "C"); EMS.
- PY3500 Junior Seminar: Preparing for Life After the BA** **4 cr.**
 This course will introduce junior-level students to different career paths and options in mental health and human service fields. Professionals working in the field will be invited to speak with students. Students will also learn of the specific requirements, procedures and responsibilities for gaining admission to various types of graduate programs. In addition to completion of assigned readings and research into graduate programs, students will be required to prepare their personal portfolio, which should assist them when applying to graduate schools.
Prerequisites: PY2010 (with a minimum grade of "C"); 20 cr. in Psychology; EMS.
- PY3510 Social Psychology** **4 cr.**
 Analysis of central concepts, processes and research methods of the systematic study of social influence including attitude formation and change, propaganda and persuasion, mass communication, prejudice and discrimination, group pressures, conformity and norms, aggression, social control and the role of structural dynamics on inequality and equality of individuals, communities and larger units of national organization. Offered every semester.
Prerequisites: PY2010 (with a minimum grade of "C"); EMS.
- PY3530 Forensic Psychology** **4 cr.**
 Forensic psychology is both a research endeavor and the professional practice of applying psychological information to legal issues. This course will discuss psychological research and practice concerning the following: the capacity to adequately parent, child custody evaluations, personal injury and psychological disability determinations, civil commitment assessment, dangerousness/risk assessment, specific intent and diminished capacity, competency to stand trial, assessing psychological suitability for police work and, psychological profiling.
Prerequisites: PY2010 (with a minimum grade of "C"); PY3310 recommended; EMS.

PY3540 Environmental Psychology **4 cr.**

This course examines the ways in which our attitudes and beliefs influence our use and abuse of the environment and the impact of the environment on our psychological functioning. Technological problems such as acid rain and smog are seen as rooted in social, political and economic structures and in our perceptions about the world. The environmental movement in the past twenty years is examined in its social and historical context and the traditional perspectives that are normally given to us to explain ecological crises are challenged. Offered according to demand.

Prerequisites: PY2010 (with a minimum grade of "C"); EMS.

PY3550 Social Psychology of Work **4 cr.**

Covers forms of industrial management, work satisfaction, theories of motivation and leadership, and issues of human resource management. Includes examining the organization of work in the US and globally and structural inequalities in access to workforce preparation, education, reward and human needs benefits. Topics such as: child labor; labor – management relationships; national and regional; national and international labor law as it applies to worker rights and protections; and the delivery of mental and medical health services will be covered.

Prerequisites: PY 2010 and PY 3110 (both with minimum grades of "C");EMS.

PY3610 Brain & Behavior **4 cr.**

An introduction to biological psychology. Topics covered include the structure and function of nerve cells, brain anatomy, psychopharmacology, and the genetics and evolution of behavior. Complex behaviors examined include sleep, memory, speech, and emotional behaviors. Offered every semester.

Prerequisites: PY2010 (with a minimum grade of "C"); and any 3000-level or higher psychology course or BS2400 or equivalent; EMS.

PY 3620 Mood, Mentation & Medication **4 cr.**

This course examines the use of psychoactive medication in the treatment of psychiatric disorders. Basic principles of psychopharmacology are presented. Brain/behavior relationships in normal and abnormal functioning are reviewed with respect to neurotransmitter pathways and the medications that affect them. Medication and psychotherapy integration is emphasized.

Prerequisites: PY2010 (with a minimum grade of "C"); PY3110 (with a minimum grade of "C"); PY3610 recommended; EMS.

PY3740 Psychology of Latinos **4 cr.**

Explores the social, psychological, political and historical factors that impact on the psychological development of the various Latino groups in the United States. Emphasis will be placed on understanding the unique issues affecting each Latino group as well as those issues common to all Latino groups. Offered every other year.

Prerequisites: PY2010 (with a minimum grade of "C"); EMS.

PY3750 Psychology of Asian Americans **4 cr.**

This course explores the assimilation and identity development of Asian Americans in contemporary America. The course explores the historical context of out-migration of various Asian groups and the issues and challenges that confronted them as they began to develop lives, communities and relationships in America. The course examines the issues that continue to shape these communities into the present day and the cultural, social, religious and other factors that shape individual development of Asian American Identity. Other topics include the model minority myth, stereotypes of assimilation, multi-racial identity formation; social and cultural similarities and difference between Asian groups. An important focus of the course is the analysis of the way in which these factors might be taken into account when working with Asian Americans in a variety of contexts. Requirements include a book review, oral presentations and a research paper. Offered every other year.

Prerequisites: PY 2010 with a minimum grade of "C"; EMS.

PY4010 History of Psychology **4 cr.**

A consideration of the major problems, ideas, and schools of thought which form the basis of modern psychological theories and methods. Ideas of structuralism, idealism, functionalism, psychoanalysis, behaviorism, will be discussed as they relate to the development of psychological theory. Original sources will be read and discussed. Offered according to demand.

Prerequisites: PY2010 (with a minimum of grade of "C"); one platform course required; another platform course highly recommended; EMS.

PY4100 Research Methods III: Advanced Research Skills **4 cr.**

A senior-level research course with an emphasis on discipline-specific library research, critical analysis of the psychological literature, and use of statistics to analyze data. Students conduct an experimental or non-experimental study, analyze the results and write up the findings according to the Publication Manual of the American Psychological Association. Offered every semester.

Prerequisites: PY2010 (with a minimum grade of "C"); PY3110 (with a minimum grade of "C"); PY3120 (with a minimum grade of "C"); EMS.

PY4130 Field Experience and Research **4 cr.**

Students engage in supervised experience and field work in a wide variety of clinical, psychiatric/psychological, community organizational and agency settings in mental and physical health, community action and civic engagement and social welfare settings. A weekly seminar will include student presentation of placement experiences

and issues relevant to successful field work and service delivery. The impact of systematic structural inequalities, prejudice and discrimination, diversity and multicultural sensitivity are integrated into issues relevant to the availability and success of community mental health professionals and community resources. Field research techniques including observational methods and field notes will be covered in preparation for a final research paper integrating the internship experience with literature review. Students are required to engage in an approved placement 8 hours weekly/ten weeks. Offered every semester.

*Prerequisites PY2010 and PY 3110 (Both with minimum grades of "C");
24 credits in psychology and EMS.*

PY4140 Internship in Applied Psychology 4 cr.

In this course, students, in conjunction with the instructor, select an experience in an applied setting. Field observation notes and a final paper analyzing some aspect of the field experience are required. Individual readings are assigned. Individual-directed research is also an option. Offered according to demand.

*Prerequisites: PY2010 (with a minimum grade of "C"); PY3110 (with minimum grades of "C");
24 credits in psychology; EMS.*

PY4210 The Exceptional Child 4 cr.

This course presents a comprehensive introduction to psychopathology during infancy, childhood and adolescence. Major theories and empirical findings guide discussions of the various childhood and adolescent disorders, and intervention efforts aimed at ameliorating or preventing them. Exceptional children and teens and their behavior are viewed within the context of developmental processes, biopsychosocial factors, and norms. Topics include pervasive developmental disorders, mental retardation, attention-deficit hyperactivity disorder, learning disabilities, anxiety disorders, mood disorders, eating disorders, and aggressive/violent behavior. The perspectives of parents and the role of schools in the process of assessing and classifying "special" children are examined. Offered once a year.

Prerequisites: PY2010 (with a minimum grade of "C"); PY3110; Either PY3215 (or equivalent) or PY3310; EMS.

PY4230 The Psychobiology of Aging 4 cr.

This course focuses on the physical, cognitive, and biological changes that occur as a process of aging in adulthood and their impact on functional ability and disability. The changing needs of the individual as a function of these physiological and cognitive changes are examined from a global and cross-cultural perspective. The impact of these changes and their interaction with factors such as gender and socio-economic class are compared in developed and developing nations. Offered every year.

*Prerequisites: PY2010 (with a minimum grade of "C"); PY3110 (with a minimum grade of "C");
PY3610 highly recommended; EMS.*

PY4320 Counseling Psychology 4 cr.

This course is intended to be a survey of the nature of the counseling process. Screening, intake procedure, diagnosis, treatment planning, treatment models, and termination of treatment will be considered. The student who takes this course can be expected to gain the skills necessary for entry level agency interviewing positions. Offered once a year.

Prerequisites: PY2010 (with a minimum grade of "C"); PY3310 or 4310 required; EMS.

PY4330 Behavior Modification 4 cr.

This course will consist of in-depth discussion of concepts and principles of behavior change, and their application in various settings (such as clinical, home, school, and work settings). Cognitive-behavioral methods will also be discussed. Special emphasis will be placed on behavior change procedures, with numerous illustrations and some opportunities for students to practice the principles. Offered once a year.

Prerequisites: PY2010 (with a minimum grade of "C"); PY3310, or PY3420 or PY4210 recommended; EMS.

PY4340 Clinical and Educational Assessment 4 cr.

This course examines the major approaches to psychological and psychoeducational testing, including assessment of intelligence, cognitive and intellectual functioning, school achievement, career and vocational interests, and personality. Test construction, reliability, validity, and use of testing for selection purposes are discussed. Additional topics covered include appropriate uses of testing, test bias and potential abuses of testing, and other sociocultural issues relevant to testing. Offered every other year.

*Prerequisites: PY2010 (with a minimum grade of "C"); PY3110 (with a minimum grade of "C");
PY3120 (with a minimum grade of "C"); EMS.*

PY4350 The Psychology of Violence 4 cr.

There is an epidemic of violence in the United States. This course uses a multidisciplinary approach to explore the multiple factors which cause and perpetuate violence in both public and private settings. The impact of the media, institutional racism, sexism and heterosexism on the incidence, prevalence and experience of violence is investigated. A range of violence prevention programs are evaluated. Offered once a year.

Prerequisites: PY2010 (with a minimum grade of "C") and one other 3000-level psychology course; EMS.

PY4401 Developmental Neuropathology 4 cr.

This course is a seminar that defines, compares, and contrasts a variety of neurodegenerative disorders (NDDs) within a cognitive neuroscience/neuropsychology framework. Some disorders are congenital (people are born with them), and some are acquired through unfortunate life situations such as sports injuries, concussions or other

brain trauma or pathological age-related changes. Some examples of topics to be discussed are: Congenital Birth Defects, Childhood Disintegrative Disorders, Childhood Brain Trauma; developmental disorders such as autism, attention deficits and hyperactivity and specific learning Disabilities, Traumatic Brain Injuries, Alzheimer's Disease, And other dementias. Evaluation, Diagnosis, interventions as well as associated ethical issues will be discussed. This course will prepare students with a foundation for applied learning within rehabilitative and behavioral treatment settings, hospitals, clinics and research facilities focused on NDD therapies. Offered once a year

Prerequisites: EMS; PY 201; PY 3110; PY 3610 or PY 620 (all with a minimum grade of "C" or Instructor permission).

PY4402 Neuropsychopharmacology

4 cr.

An in-depth examination of how psychological disorders alter the production, signaling and clearing of neurotransmitters in the brain and how well regulated drug treatment (i.e. anti-anxiety, anti-depressants, anti-psychotics, mood –stabilizers and anticonvulsants) can reduce symptoms, increase quality of life and 'rewire' brain networks improving psychological health. Topics include Bipolar Disorders, Depression, Anxiety, Schizophrenia, Post-Traumatic Stress Disorder, and senescence (Aging). Basic and advanced concepts regarding how the frontal lobes govern behaviors in both normal and abnormal psychological functioning will be evaluated to better understand brain neurotransmission. The controversial nature of placebo effects, prescription drugs, recreational drugs of abuse and holistic approaches will be discussed. Offered once a year

Prerequisites: EMS; PY 2010; PY 3110; PY 3610; or PY 3620; all with a minimum grade of "C," or Instructor permission.

PY4410 Psychology of Teaching and Learning

4 cr.

This course focuses on the psychological issues that are related to effective teaching and learning. Current research in cognitive psychology and neuroscience will be reviewed and discussed in the context of the development of cognitive and meta-cognitive skills, language and mathematical learning and skill development in the individual. Classroom teaching strategies and educational practices will also be discussed. Requirements include oral presentations and a research paper. Offered every two years.

Prerequisites: PY 2010 and PY 3110 (both with minimum grades of "C"); EMS.

PY4420 Adolescent Development

4 cr.

This course will examine research theory about biological, cognitive, psychological and moral development and how parents, peers, schools, and the media influence development from early to late adolescence. Diversity including gender, multicultural, racial and socio-economic backgrounds will be a focus throughout. Major behavioral problems during adolescence and current social and educational issues will be discussed. Class lectures and discussions and collaborative learning groups will be based on the text and original articles. Exams and assignments will involve writing, critical analysis and a field or library research project. Offered every year.

Prerequisites: PY2010 (with a minimum grade of "C"); PY3110; EMS.

PY4450 Infants and Toddlers

This course focuses on physical, cognitive, emotional and social development from conception to two years. Major theories of development, research findings, and methods of studying infants and toddlers will be examined. Topics covered include fetal development during pregnancy, capacities of newborns, changes in physical and sensory-motor functioning, early cognitive abilities, the attachment process, and infant child care. Lectures, videos and discussions, as well as assigned course projects, are intended to enhance students' understanding of healthy early development, and relevant issues and threats to such development. Offered every other year.

Prerequisites: PY2010 (with a minimum grade of "C"); PY3110; EMS.

PY4520 Family Dynamics

4 cr.

This course studies family structure, process and assessment from various perspectives such as psychoanalytic theory and other family systems theories. The impact of culture, race, sexual orientation, social class, disability and institutional oppression on family functioning and family style are examined.

Prerequisites: PY2010 (with a minimum grade of "C"); PY3110 (with a minimum grade of "C"); and one other 3000-level psychology course; EMS.

PY4530 Group Process

4 cr.

Covers forms of industrial management, work satisfaction, theories of motivation and leadership, and issues of human resource management. Includes examining the organization of work in the US and globally and structural inequalities in access to workforce preparation, education, reward and human needs benefits. Topics such as: child labor; labor – management relationships; national and regional; national and international labor law as it applies to worker rights and protections; and the delivery of mental and medical health services will be covered.

Prerequisites: PY 2010 and PY 3110 (both with minimum grades of "C");EMS.

PY4560 Psychological Traumatization: Causes, Consequences, Prevention and Treatment 4 cr.

The psychological impacts of violence (e.g., assault, war, terrorism) and natural and human-caused disasters (e.g., hurricanes, earthquakes, motor vehicle accidents, industrial accidents) on individuals, families, and communities are widespread and devastating. This course explores current understandings of the causes, symptoms, and psychological and biological mechanisms of psychological "traumatization." The course will also examine social and psychological sources of the events that cause traumatization and community response to large scale disasters and violence, and will seek to place the current interest in traumatization in historical and cultural perspective. Offered according to demand.

Prerequisites: PY2010 (with a minimum grade of "C"); PY3310 or PY4310; EMS.

PY4610 Clinical Neuropsychology 4 cr.

This course is an in-depth review of the neuropsychological bases of clinical pathologies including the major forms of dementia, affective disorders, schizophrenia and some childhood disorders such as autism. Etiology, neuropsychological assessment, mechanisms of drug action, as well as the neuropsychological bases of other forms of intervention are discussed. Requirements include exams and a research paper. Offered every two years.

Prerequisites: PY 2010 and PY 3110 (both with minimum grades of "C"); EMS; PY 3610 or PY 3620 highly recommended.

PY4720 Psychology of Women 4 cr.

An advanced course in the development of girls' and women's gender identity and the relevance of psychological theory and research to women's political and socio-economic status and to agendas for change. The perspectives of women from diverse racial, cultural and socioeconomic background and with varying family relationships and sexual orientations will be included. Selected topics may include biological development, work, friendship, aging, the media, gender differences and violence and abuse.

Prerequisites: PY2010 (with a minimum grade of "C") and any platform course or a Women's Studies course; EMS.

PY4730 Psychology of Families of African Descent 4 cr.

This course explores the historical, social, political, and psychological factors which have an impact on the development and functioning of African-American families in the United States, with a focus on patterns of interaction. Emphasis is placed on the strengths, adaptability and healthy functioning of these families. Research, public policy, and media representations of African American families are critically analyzed. Public policy issues will also be discussed in detail. Offered every other year.

Prerequisites: PY2010 (with a minimum grade of "C") and one other 3000-level psychology course; EMS.

Senior Seminars 4 cr.

All the 5000-level courses fulfill the requirement for Senior Seminar. These courses may be taken after students complete at least 24 credits in psychology and PY3110 (Research Methods I). It is recommended to be taken concurrently or after completion of PY4100; EMS is required. At least one 5000-level course is offered every semester.

PY5000 Environmental Neuroplasticity 4 cr.

Twenty percent (1 in 5 children) in the US live in poverty. Poverty exposes children to many physical and psychosocial stressors which directly affect brain development, maturation, and adaptation in response to the environment. These stressors are not limited to but include: lack of food security (resulting in malnutrition); substandard living conditions which pose health risks (noise and air pollution, overcrowding and poor sanitation) in unsafe neighborhoods, and exposure to environmental toxins like lead and asbestos. Low income children, both rural and urban, are at increased risk for experiencing psychological stressors such as: family turmoil, early childhood separation, physical and psychological abuse and trauma when compared to children from middle-income backgrounds. Very similar factors also impact the lives of new immigrant children and adults. Over time and in combination, these psychological, psychosocial and environmental stressors have significant effects on brain development and brain function. This senior seminar will systematically examine these poverty-related stressors and their effects on neurobiology. It will also examine factors that ameliorate these stressors and their neurobiological consequences. Students will be required to read, analyze, and discuss primary resources both orally and in writing, and produce a APA-style literature review thesis paper. Offered every third semester

Prerequisites: EMS; PY 2010; PY 3110; PY 3610; or PY 3620; all with a minimum grade of "C," or Instructor Permission

PY5210 Advanced Perspectives in Developmental Psychology 4 cr.

This course provides an in-depth evaluation of theory and research about specific periods in the human lifespan, such as childhood, adolescence, and young, middle and late adulthood. A major theme of the course will be research strategies and designs used to study human development. Course topics and projects will examine biological, cognitive, psychological and/or social functioning across the lifespan, along with biopsychosocial factors that may influence such functioning, including socioeconomic factors, gender, and ethnic, racial/multiracial, and cultural background.

PY2010 (with a minimum grade of "C"); PY3110; One developmental course recommended; EMS.

PY5310 Approaches to Psychotherapy 4 cr.

A critical analysis of approaches to psychotherapy. Theoretical and practical issues are discussed in the seminar covering major applications of psychological theories to the practice of psychotherapy. Novel theories and techniques are considered, as well as more traditional models.

Prerequisites: PY2010 (with a minimum grade of "C"); PY3120 (with a minimum grade of "C"); EMS.

PY5320 Advanced Issues in Clinical Psychology 4 cr.

An in-depth examination of selected current topics in clinical psychology. Topics include developments in personality theory, applications of personality theory to clinical practice, current theories of psychopathology and its treatment, trends in psychological assessment, and trends in mental health policy.

Prerequisites: PY2010 (with a minimum grade of "C"); PY 3120 (with a minimum grade of "C"); EMS.

PY5330 Topics in Personality Theory 4 cr.

An in-depth examination of selected topics in personality theory. Topics may include psychometric issues in personality measurement, classification of personality disorders, psychodynamic theory of personality development and change, cross-cultural issues in personality theory, clinical personality assessment and the interface between

personality and family and sociocultural context. This course is organized around the development, diagnosis and psychotherapy treatment of personality disorders. Students conduct a literature search and write a substantial paper in the area of the psychology of personality, which is presented in class.

Prerequisites: PY2010 (with a minimum grade of "C"); PY3120 (with a minimum grade of "C"); PY4320 recommended.

PY5410 The Psychology of Language

4 cr.

This course examines language and language functions from a cross-cultural perspective. Students are introduced to the elements of psycholinguistics, neurobiology of language processing and comprehension, and the development and evolution of language systems. Offered according to demand.

Prerequisites: PY2010 (with a minimum grade of "C"); PY3110 (with a minimum grade of "C"); PY3120 (with a minimum grade of "C"); PY4100 concurrent; PY3410 or PY3610; EMS.

PY5510 Advanced Issues in Social Psychology

4 cr.

This course will focus on areas of theory and research of current concern to social psychologists including the effects of rapid social transitions on the nature and content of psychological investigation. Content that may be covered in this course includes: rapid changes in technology and their impact on work and family, modern trends in the socialization processes within family and social institutions, communication and impact of media on social behavior, leadership, social conflict and group functioning, social power and persuasion, and the impact of social structure on psychological functioning.

Prerequisites: PY2010 (with a minimum grade of "C"); PY3120 (with a minimum grade of "C").

PY5520 Families & Public Policy

4 cr.

This course will focus on the impact of public policy on family structure and functioning. Policies related to education, child care, public assistance, housing and health care are among some of the issues which will be explored. Research in these areas as well as efforts being made by various organizations and advocacy groups to impact on public policy decisions will be critically examined.

Prerequisites: PY2010 (with a minimum grade of "C"); PY3210, PY3220, PY3230, PY4210, PY4520 or PY4730 strongly recommended.

PY5610 Research Perspectives in Neuropsychology

4 cr.

This course explores current research into the biological substrates of normal cognitive functions such as memory, learning, attention and language and also of pathological states such as depression, schizophrenia and dementia. Other topics of review and discussion include the neuropharmacology of psychoactive drugs, neuropsychological assessment and evaluation techniques and other forms of intervention. Offered every other year.

PY2010 (with minimum grade of "C"); PY3110 (with minimum grade of "C"); PY3120 (with minimum grade of "C"); PY4100 concurrent; PY3410, PY3610; or PY3620; EMS.

PY5770 Cross-Cultural Psychology

4 cr.

This course explores the impact of culture and cultural difference on the psychotherapeutic relationship. Culture will be defined broadly to include issues such as race, gender and sexual orientation. Basic interviewing and counseling skills will be introduced. Senior level psychology majors will be expected to discuss their feelings and understanding of various theoretical approaches as they negotiate role plays of counseling culturally diverse clients.

Prerequisite: PY2010 (with a minimum grade of "C"); PY3120 (with a minimum grade of "C"); PY4320 recommended; EMS.

PY9000 Teaching Assistant/Peer Tutor

2-8 cr.

The TA program provides a peer support system for students enrolled in the research methodology courses. TAs provide one-on-one tutorial assistance with the conceptual and writing skills relevant to the research sequence. TAs actively participate in course-related activities such as library research, assisting with in-class activities, and preparing mini-lectures to present in class. Tutorial and meeting hours are arranged by the instructor. Credits offered range from a minimum of 2 to a maximum of 8, and are dependent on instructional need.

Prerequisite: Recommendation of Instructor.

PUBLIC HEALTH

All course offerings are contingent on budgetary allocations, faculty resources, and enrollment figures and, unless otherwise indicated, are offered in accordance with student needs.

PH3200 Nutrition and Society

4 cr.

This course presents principles of nutrition and analyzes social forces that affect Americans' nutritional status. Emphasizes relationship between dietary intake and common diseases. Includes practical considerations to help students become more astute consumers.

Prerequisite: EMS.

PH3600 Introduction to the Social Determinants of Health

4 cr.

Introduces students to the public health perspective on health, also called the social determinants of health, which includes a detailed examination of social class, racism, gender, community, environment, employment, social relationships, nutrition and the American food system, as well as access to health care. Students learn about numerous American institutions, and examine critically how individuals' location in American society shapes their health status. They also learn to locate individual health behavior within its social context.

Prerequisite: EMS.

PH3610 Introduction to the U.S. Health Care System

4 cr.

Students will examine the history and institutions of the health care system and the health care professions and workforce. Students will examine concepts and terminology crucial to understanding both the history and current structure of the health care system. The course will focus on modes of health care financing, quality of care, inequalities in care, and historical and contemporary issues in health care reform, and will analyze issues from the perspective of patients.

Prerequisite: EMS. Note: PH3600 is NOT a prerequisite for PH3610

PH4450 Human Sexuality

4 cr.

This course teaches the dynamics of human sexual health including the interplay of biological, cultural, social, historical, and political-economic elements. Drawing from a public health perspective, students learn anatomy and physiology, explore contemporary sexual health issues, and learn tools to promote sexual health.

Prerequisite: EMS.

PH4600 Health Program Planning and Evaluation

4 cr.

In this course, students will learn how to analyze needs and create planning and development strategies in community health programs and organizations. Students will learn how to conduct health program evaluations and communicate their findings. Students will gain an understanding of the theoretical frameworks supporting health promotion strategies and the numerous methods and resources used to facilitate changes in health at the organizational and environmental, as well as individual, level.

Prerequisite: EMS.

PH4610 Women's Health

4 cr.

A critical look at women's health issues from the perspective of the women's health movement; normal female reproductive anatomy and physiology; medical and alternative views of women's health issues such as female sexuality; reproductive choices; women, AIDS and STDs; pregnancy, childbirth, and mothering; infertility; women, aging and menopause; breast cancer; women as health care providers; research in women's health.

Prerequisite: EMS.

PH4631 Mental Health

4 cr.

Students will gain an understanding of the causes, social distribution and social determinants of mental health and illness, drawing from current findings in psychiatric epidemiology. Students will also gain a critical understanding of the historical and contemporary institutions responsible for treating those with mental health disorders. Community-based programs and supports for treatment and diagnosis will be examined..

Prerequisite: EMS.

PH4650 Substance Use and Abuse

4 cr.

Examines the psychological, physiological and sociological aspects of substance use and abuse, both legal and illegal. Theories of addiction and a review of law enforcement practices are examined both historically and internationally. Available treatment resources are reviewed.

Prerequisite: EMS.

PH4661 Health Education

4 cr.

Students will examine and gain an understanding of the theoretical frameworks informing health education strategies at the individual, social and structural levels. Students analyze the methods and techniques employed in developing and conducting health education interventions. In addition, students will learn how to critically assess and apply health education theories.

Prerequisite: EMS.

** denotes courses for which a \$25 lab fee is charged*

PH4670 Biostatistics**4 cr.**

Basic principles of statistics with emphasis on the analysis of vital statistics. Focuses on the application of statistical tools to health data, estimation, inference, hypothesis testing, T-test, chi-square, and analysis of variance.

Prerequisites: MA1020; or MA2000; EMS.

PH 4680 Environmental Health**4 cr.**

This course examines the relationship of people to their physical and social environment, the impact of the environment on population health and well-being, and approaches to combating local and global environmental health problems. Topics include air, soil, and water pollution; exposure, dose, response; risk assessment and management; occupational health; environmental justice and policy; and urban and global environmental health problems, including climate change.

Prerequisite: EMS.

PH4700 Medical Anthropology**4 cr.**

Medical anthropology considers the cultural, social, and political-economic aspects of the body, health, sickness, and healing from a cross-cultural perspective. Students will learn major anthropological concepts of disease and illness, including biocultural analyses of health and disease, the social patterning of disease, cultural critiques of biomedicine, and non-Western systems of health, illness, and healing. Students will examine how anthropology is applied to medicine, nursing, and public health.

Prerequisite: EMS.

PH4750 Aging and Social Policy**4 cr.**

Introduces students to fundamental aspects of aging and health, with a primary focus on the United States. Beginning with an overview of the social-scientific study of aging, it examines theories of aging, factors influencing health in older adults including social support, living arrangements, work and retirement, and health care and caregiving. It includes an economic analysis of aging, with a focus on issues of health, poverty and inequality.

Prerequisite: EMS.

PH4760 Health Administration**4 cr.**

Introduces management and planning concepts and their application to the health field. Attention is paid to system-wide considerations, e.g., methods of health care regulation and cost containment, as well as to techniques and concepts used in managing health care organizations. Managerial and regulatory processes are emphasized. Students are encouraged to relate organizational capabilities to the larger social, political, and economic environment.

Prerequisite: EMS.

PH4770 Occupational Health**4 cr.**

Examines the legal, economic, and political foundations of occupational health work in the U.S. The roles of government, unions, corporations, and research organizations are examined. Students review the scientific basis for the association of occupational exposures with disease, including occupational cancer and respiratory disease.

Prerequisite: EMS.

PH4790 Health Policy**4 cr.**

Identifies and analyzes the political forces acting in the health care sector and examines their relationship to the U.S. political scene. Debates over health policy are traced historically and related to major policy issues in U.S. history. Special attention is paid to coalition building; the possibility of reform; the development of the idea that health care is a right; and private influence on the functioning of public agencies; policy formation and government involvement in health care.

Prerequisite: EMS.

PH4800 Epidemiology**4 cr.**

An introduction to the field of epidemiology, the course examines the history of epidemiology and core measurements used to describe the occurrence of illness in populations. The course will focus on the major sources of epidemiologic data; students will learn to analyze and critique epidemiologic study designs. Social epidemiologic theories and applications, causal pathways, community-based approaches, and methods used to respond to public health crises will also be examined.

Prerequisite: EMS.

PH4810 Ethics in Public Health**4 cr.**

This course begins with a brief history and overview of the field of medical ethics, and then focuses on the application of moral values and principles relevant to public health and medical practice through a variety of case studies. Students will complete the required federal training for researchers working with human subjects. The course aims to develop students' knowledge of ethics and their ability to think critically and ethically about complex issues such as genetic engineering, assisted reproduction, stem cell research, organ donation, care of newborns and end-of-life decision-making, and the challenges that policymakers face in determining how to allocate resources and manage conflicts between individual freedoms and the public good.

Prerequisite: EMS.

* denotes courses for which a \$25 lab fee is charged

PH4820 Health Law **4 cr.**
Designed to give prospective health professionals an understanding of the terminology and concepts of health law. Attention focuses on public health law, medical care law, and health facility law. Historical and contemporary issues are examined via case review readings and discussions. Issues include the right to health care, informed consent, malpractice and product liability.

Prerequisite: EMS.

PH4850 Global Health **4 cr.**
Examines health problems, health status, public health policies and programs and the role of global politics and economics in determining the health status of people worldwide. The health systems of a number of countries are also examined.

Prerequisite: EMS.

PH4890 Environmental Justice **4 cr.**
This course examines laws and public policies on the federal, state, and local levels as they pertain to the environment and environmental health issues. What is the role of government in regulating air, water, and solid waste pollution; developing resource and land-use planning; and controlling dangerous substances? What roles do community members and members of other interest groups play in formulating and acting on environmental policies? Examines the history and function of the EPA and other agencies that formulate and implement environmental policy locally and internationally.

Prerequisite: EMS.

PH4900 Public Health Field Placement **4 cr.**
The student performs 90 hours of fieldwork in a community health agency, with prior approval of the instructor. Provides an opportunity for students to integrate classroom learning with practical work experience in assessing community health needs and effecting change in health care delivery systems. Students meet regularly to discuss their experiences, maintain a log of their field activities, and write a final paper describing the agency and summarizing their work.

Prerequisite: EMS.

PH4920 Special Topics in Public Health **4 cr.**
This course gives students the opportunity to examine in greater depth a topic of special interest in public health. The specific topic will be determined by the instructor. The course may be repeated once for credit if the course topic changes.

Prerequisite: EMS.

PH4930 Immigrant and Refugee Health **4 cr**
Immigration is central to the history of the United States. This course provides a comprehensive overview of key public health issues facing the diverse immigrant and refugee population. Students will learn the different migration theories and the major factors that affect immigrants' and refugees' health, such as home country experience and exposures, acculturation, access to health service, and alternative healing practices. Students will also consider the kinds of integrated health services that are beneficial to immigrant and refugee communities.

Prerequisite: EMS.

PH5900 Research Methods **4 cr.**
This course introduces seniors in Public Health to the research tools, both quantitative and qualitative, available to public health researchers and practitioners. Students will design their own research projects.

Prerequisites: PH3600 and PH3610; EMS.

PH5920 Senior Seminar **4 cr.**
The culmination of students' work in Public Health; seniors in their final semester will review the literature on their research topic, conduct field research and present their research findings formally to faculty and students.

Prerequisites: PH5900; EMS.

PH9990 Independent Study **4 cr.**
Independent study, carried out under the supervision of a faculty member, permits students to investigate areas that are not part of existing offerings. Open to students of upper-division standing only.

Prerequisites: PH3600 and PH3610; permission of instructor.

* denotes courses for which a \$25 lab fee is charged

SOCIOLOGY COURSES

All course offerings are contingent on budgetary allocations, faculty resources and enrollment figures and, unless otherwise indicated, are offered in accordance with student demand.

SY1500 Introductory Sociology

4 cr.

Introduces basic concepts and perspectives in sociology. Such major social institutions as the family, education, politics, law, media, and religion are examined, together with such social processes as socialization, social change, social control, and social stratification. In addition, the course surveys some of the research methods and social theories in sociology. Designed as a general interest and Liberal Education Curriculum course. Required for sociology and criminology majors. Offered every semester.

SY2400 Sociology Through the Arts

4 cr.

This course considers the dynamic tension that exists between artists and the many roles that the arts have had in society by examining the literary arts, visual arts, and the performing arts (in sum: painting and drawing; music, dance and theater; literature and poetry; and, photography and film/video). In the process of exploring the arts, we will consider the social factors that enable artistic expression to come to fruition as artistic genres are constructed. We will also analyze how the arts may serve as boundary-making social activity (i.e., by contesting an indicator of taste or style), or as boundary-breaking cultural endeavors (i.e., by contesting social rules and norms). Students will learn to critically assess the function of the arts at both the local, "street" level, as well as art circulating in the global marketplace. Students will also be encouraged to produce their own artistic contribution in response to the course material, thereby experiencing the connection between art and society as a distinctive component of our common humanity. Offered every year.

Prerequisite: EC1.

SY2550 Social Problems

4 cr.

Examines the historical and contemporary roots of critical social problems such as poverty, unemployment, ecological despoliation, delinquency, population growth, etc. Also of concern are the social policies directed toward these problems and an examination of their present and future consequences. Offered every semester.

Prerequisite: EC1.

SY2600 Social Deviance

4 cr.

Examines the patterns of deviant behavior in American society. Concentrates on the social construction of deviance: how various deviant labels are defined and applied (e.g. crime and mental illness) and the social consequences for those labeled. Students will also study the uses of moral, legal and medical models as fundamental ways of understanding both deviant behavior and the societal response to deviants. Offered every year.

Prerequisite: EC1.

SY2800 Race, Class, Gender & Sexuality

4 cr.

In this course students will examine the multiple and intersecting ways in which race, class, gender, and sexuality shape and are shaped by institutions, interaction, and individual experience. The course will explore the social construction of these concepts, the meanings and values attached to them, the ways in which they are embedded in sites of inequality, and on efforts to transform them. Offered every year.

Prerequisites: EC1

SY3160 Sociology of Culture

4 cr.

Provides a sociological approach to the study of culture. Material and non-material aspects of culture are explored through the study of language, science and technology, the various arts and media. Special attention is given to the culture-production process, the relationship of culture producers and consumers and the meaning of culture products in today's society. Debates about culture, policy, and culture change are analyzed in the course, and include the new research on visual culture and civic culture. Offered every year.

Prerequisites: ECII.

SY3280 Social Inequality

4 cr.

This course analyzes the basic dimensions of structured social inequality, the unequal distribution of wealth, power, goods and services by class, race and gender. It studies different aspects of the impact of social inequality: for example, on environmental issues; social mobility; beliefs about the justice of inequality; social movements; crime, poverty and social policy. Offered every year.

Prerequisites: ECII.

SY3630 Political Sociology

4 cr.

Examines the social structures and processes related to participation in the political life of society. Explores the problems the political order poses for different social classes and how institutions of power and authority are maintained in efforts to foster control and legitimacy. Offered every year.

Prerequisite: ECII.

SY3700 Family and Society **4 cr.**

Through historical and comparative analysis, studies the connection between courtship and marriage patterns and different economic systems. Students examine the emergence of the modern family system, changing patterns of mate selection and courtship and the relationship between general assumptions about sex roles and role allocation in marriage itself. Comparisons are drawn across cultures and across class, race and ethnic groups in American society. Offered every year.

Prerequisite: ECII.

SY3750 Medical Sociology **4 cr.**

Explores the social forces defining and influencing health and illness. The organization and distribution of medical science and professionals are analyzed from a sociological perspective, with an emphasis on care for the poor, minorities, women, the disabled, and the aged. Alternatives to the present system of medical care in the U.S. are discussed, particularly in the context of health policy and medical care in other countries. Offered every year.

Prerequisites: EMS.

SY3800 Race and Ethnicity **4 cr.**

Emphasizes the history, social structure and culture of racial national, ethnic and religious minorities. Includes such minority majority processes as interracial and intercultural conflict, domination and adaptation, accommodation and assimilation. Causes and consequences of prejudice, racism and discrimination and some ways of reducing intergroup tensions are included as are alternative models for pluralistic societies such as "melting pots" or "mosaics." Offered every year.

Prerequisite: ECII.

SY3900 Social Movements **4 cr.**

Provides an overview of the contemporary sociological models used to analyze the dynamics of protest among disenfranchised constituencies in the U.S. Cases are drawn largely from the history of African American protest movements of the 19th and 20th century in which activists have attempted to reconcile tensions between demand for civil rights and the more radical vision of nationhood. Government and counter-movement responses to protest are also examined. Offered every year.

Prerequisite: ECII.

SY3910 Sociology of Work **4 cr.**

This course will introduce students to the sociology of work and industry. We will cover the history of work organization from ancient to modern times, but with particular emphasis on contemporary, 'post-industrial' capitalism. Topics to be discussed include industrial organization, bureaucracy, gender, race and ethnicity in the workplace, work and family balance, the development of the trade union movement and collective bargaining. All of these more specific areas of inquiry will be framed against the backdrop of an evolving world economy and the role of the U.S. and U.S. workers in it. The goal of the course is to provide students with a broad understanding of both the history and the myriad theoretical approaches to work, as well as research strategies for their empirical investigation. Offered every year.

Prerequisite: ECII.

SY4260 Social Work: Theory and Practice **4 cr.**

Examines social work practice as a planned change process occurring within systems, i.e., one-to-one relationships, families, community groups. Provides a general overview of social work practice within the context of social welfare. Particular attention is paid to the structure and function of social welfare as an institution and to the development of concepts and techniques applicable to a wide variety of social work settings and situations. Addresses such issues as the types of opportunities in the field, necessary skills and the underlying value system. Offered every year.

Prerequisite: SY1500 or PY2010, EMS.

SY4270 Internship in Social Work, Sociology and Criminology **4 cr.**

The internship program is designed for students who wish to develop practical skills and gain work experience in the fields of Social Work, Sociology and Criminology, integrating theory with professional experience. The students will have an opportunity to explore the professional world and to acquire training in their chosen area of specialization. The student in conjunction with the instructor will select a field internship and perform 90 hours of field work. Students meet regularly to discuss their experiences and progress. They will compile a portfolio of the work done on the internship and write a detailed report describing the agency and summarizing their work. The student will use psychological, sociological and criminological theories and research to explain complex social processes experienced during the field. Offered every year.

Prerequisites: SY1500, EMS; Junior standing.

SY4400 Social Psychology **4 cr.**

Introduces the social psychological theories of sociologists and anthropologists to show how culture and society shape and influence behavior. Focus is on theories of socialization, such as symbolic interaction, behaviorism, small group theories, perception, social exchange, etc. Consideration is given to cross-cultural examples. Offered every year.

Prerequisites: SY1500, EMS.

SY4500 Global Sociology**4 cr.**

The major aims of the course are to broaden student knowledge and perspectives of diverse cultures and the global society by using historical, anthropological, and sociological theories and methods. The course will review such social processes as socio-cultural evolution, development and revolution. We will do comparative analyses, and debate global issues and policies. The global issues include the environment, population, resources, and technology; global stratification, human rights, and peace and war in contemporary society. Offered every semester.

Prerequisites: SY1500, EMS.

SY4520 Research Methods I**4 cr.**

Introduces students to the concepts and principles of sociological research, including how to: interpret and construct academic research articles, conduct an analytic literature review, design and test research hypotheses, use appropriate sampling methods and apply ethical principles. Students will gain experience in qualitative data collection methods and analysis (e.g., intensive interviews, content analysis, ethnography, group interviews, question construction, historical/comparative studies) for sociology and criminology topics, and develop a research plan. Offered every semester.

Prerequisites: SY1500; EMS.

SY4530 Sociological Theory I**4 cr.**

Introduces the central concepts and theoretical frameworks of the founding figures of classical sociological theory: Marx, Durkheim, and Weber. By reading primary work by each theorist as well as secondary sources, students will learn the content of the theories, the theorists' underlying assumptions, and the empirical bases of their analyses of society. Offered every semester.

Prerequisites: SY1500, EMS.

SY4540 Sociological Theory II**4 cr.**

Introduces modern developments in sociological theory. Students will read both primary and secondary contemporary theoretical writings, studying how modern theory builds on and diverges from classical theories. Major fields of contemporary theory that may be covered include: functionalism, conflict theory, neo-Marxist theories, psychoanalytic theory, feminist theory and critical race theory. The emphasis is on understanding how each theorist approaches his/her own realm of inquiry as well as the actual idea systems created. Offered every semester.

Prerequisites: SY1500, SY4530 with a grade of "C" or better; EMS.

SY4570 Research Methods II**4 cr.**

Trains students to collect and analyze quantitative sociological data. Topics include appropriate sampling methods, survey research, probability, tests of significance and descriptive and inferential statistics. Students are introduced to statistical logic and concepts and conduct bivariate and multivariate analyses using examples from sociology and criminology. Offered every semester.

Prerequisites: SY1500, SY4520; EMS, Math Proficiency.

SY4600 Social Programs, Planning and Policy**4 cr.**

Analyzes formation of social policy, its effectiveness as applied to specific social institutions and programs, as well as the impact of these programs on their targeted population. Broader issues of social policy within the context of political economic systems and ideologies, as well as the general structure of the American "Welfare State," will be discussed, using cross-cultural comparisons. Offered every year.

Prerequisites: SY1500, EMS.

SY4651 Sociology of Communications and Media**4 cr.**

The sociological perspective is used to study communications media in contemporary society. Special emphasis is given to the social, political, and economic contexts of mass media. The course looks critically at media production, producers, products and effects. Students will analyze and debate multi-media documents and learn to content analyze media images and texts. Offered every year.

Prerequisites: SY1500, EMS.

SY4810 Law and Justice**4 cr.**

This course focuses on the sociological understanding of how ideas of law and justice relate to issues of power, consensus, conflict and change in society. It examines the use of law as a tool in responding to different cultural groups in American society and examines the process and significance of judicial law-making under the U.S. Constitution, illustrated by case examples regarding first amendment guarantees of religious freedom and political dissent, and civil rights issues of race, nationality, gender, sexuality and disability. Offered every year.

Prerequisites: SY1500, EMS.

SY4830 Gender and Society**4 cr.**

Sociologists view gender as a socially constructed phenomenon – a characteristic of individuals, interactions, and institutions that is shaped by social context. This course examines the ways in which gender is constructed and maintained, and the ways in which these processes uphold social inequalities. Attention will be paid to the ways in which these processes are shaped by social dimensions such as race, ethnicity, social class, and sexuality as well as efforts to mitigate inequalities and to challenge normative gender constructs. Offered every year.

Prerequisites: SY1500, EMS.

SY4850 Urban and Suburban Sociology**4 cr.**

Introduces a variety of sociological perspectives on urbanization and community formation. The history of urban development is traced in terms of major social changes contributing to and resulting from the rise of cities. The expansion of cities into metropolitan regions is examined in relation to social processes in urban areas. Select problems that have arisen out of the American urban experience are considered together with such efforts to ameliorate them as urban renewal efforts and city and regional planning. Offered every year.

Prerequisites: SY1500, EMS.

SY4950 Sociology of Music**4 cr.**

The Sociology of Music is a specialized field within Sociology, exploring the social aspects of music. Music surrounds us in society, enhancing our entertainment and serving as the soundtrack of our lives. However, music varies widely across the time and space of human experience. This class investigates global music cultures, and satisfies the cross-cultural component for Sociology majors. We will explore the social production of music and the roles of composers, musicians, and listeners from the classical era to the contemporary age. Emphasis will be placed on how social actors endow music with meaning, and how people use music to construct identities. Music's relationship to social control will also be investigated. Readings assigned for the course are often highly theoretical. A final research paper is required. Offered every year.

Prerequisites: SY1500, SY4530, EMS.

SY4999 Issues in Sociology**4 cr.**

Gives students the opportunity to examine in greater depth the analysis and discussion of current specialized sociological work in the particular area defined by the instructor (as indicated in the schedule of classes). Offered every year. Students are permitted to take SY4999 Issues in Sociology for credit up to two times in which two distinct topics are covered.

Prerequisites: SY1500, EMS.

SY5990 Senior Seminar**4 cr.**

This is the culminating senior-level research and writing experience for sociology and criminology majors. The course requires students to demonstrate the ability to apply sociological concepts and analysis to the study of a particular topic. To this end, each seminar will have a broad range of topics identified by the Instructor. The student will develop a research project within this range, and complete a major research paper. Offered every semester.

Prerequisites for Sociology Majors: Senior Standing, SY1500, SY4520, SY4530, SY4540, and SY4570 with grades of "C" or better. Prerequisites for Criminology Majors: Senior Standing, SY1500, SY2600, SY4520, SY4530, SY4570, and CR4550 with grades of "C" or better.

VISUAL ARTS COURSES

All course offerings are contingent on budgetary allocations, faculty resources and enrollment figures and unless otherwise indicated are offered in accordance with student demand. In order to start the tutorial sequence and complete it, Visual Arts majors must maintain a 3.0 average in all Visual Arts courses.

VA2000 Introduction to Art*4 cr.**

Studio course designed to introduce first-year students to exercises that challenge their assumptions of the creative process. This course will begin to provide students with the basic visual and verbal vocabulary to proceed to the next level in the Visual Arts curriculum. The exercises will be completed using both, the fundamentals of basic art techniques such as drawing, painting, modeling and fabricating, and references from contemporary art currents. Offered every semester. Satisfies Liberal Education Curriculum requirement.

Prerequisite: ECI.

VA2010 Introduction to Creative Thinking*4 cr.**

A must for students considering careers in advertising, publishing, communications or any other discipline regarding creative visual solutions. Students solve exercises designed to challenge the way we perceive reality through conditioning and stereotypes. A variety of skills are developed at the beginners level. The objective is to develop in the students the skills to make creative visual statements avoiding conventional thinking. Required for Art majors. Offered every semester. Satisfies Liberal Education Curriculum requirement.

Prerequisite: ECI.

VA2020 Basic Design*4 cr.**

This studio course deals with the fundamental development of visual structures and the relationship among two, three, and four (time) dimensions. Through structured projects, beginning with point and visual rhythm, the course will explore line, plane, and color. Students will learn the fundamental principals to organizing these multi-dimensions as they relate to graphics, interior design, photography, etc. and how to make informed intelligent visual deci-

sions. The relationship between the traditional crafts such as painting, sculpture and the new electronic media arts will be discussed and studied. Required for all art majors. Offered every semester. Satisfies Liberal Education Curriculum requirement.

Prerequisite: ECI.

***VA2030 Drawing 4 cr.**

The process of art from idea to final product. The emphasis is on visual notations, especially drawings. Deals with planning and studying feasibilities before actually entering production, allowing students to work through an idea. Required for all art majors. Offered every semester. Satisfies Liberal Education Curriculum requirement.

Prerequisite: ECI.

***VA2045 Introduction to Color 4 cr.**

This class is for those who were always afraid of color and mystified on how color combinations work. The course will be a studio class using paint and paper working through a series of projects exploring: color theory and terminology, how it is applied to practical situations; the difference between subtractive systems as seen in the chemical world of paint and the additive system as demonstrated in electronic media and the calibration of computer monitors and color systems such as RGB, CYMK, etc. (a demonstration in the electronic media lab will cover this aspect); how harmonic-complementary and discordant uses of color are used in nature; after images and optical mixes of color; camouflage and how it works in nature and design; color in relation to 3-dimensional form and more. Satisfies Liberal Education Curriculum requirement.

***VA 2320 Graphic Design I 4 cr.**

This course introduces the elements and principles of graphic design as building blocks that lead to effective visual communication. A series of projects focus on developing problem solving skills as well as knowledge of the software involved in creating successful design projects. Several influential design movements are covered in relation to specific principles of design. Emphasis is placed on taking initial ideas through to fully realized projects that communicate effectively. Areas covered include typography, page layout, book design, packaging and logo design, poster design and design for the web. Projects will be created in Adobe software: InDesign, Photoshop, Illustrator and Dreamweaver. Offered every semester. Satisfies Liberal Education Curriculum requirement.

Prerequisite: ECI.

***VA2400 Introduction to Photography 4 cr.**

Beginning course for art-majors and non-art majors in photography. Emphasis is on photography as a system of visual and cultural representation. The history of photography and technical data are interspersed with shooting assignments and critique. Students supply their own materials and should own a medium-quality digital camera. Offered every semester. Satisfies Liberal Education Curriculum requirement.

Prerequisite: EC I.

***VA2460 Painting I 4 cr.**

This is a beginning course, which teaches the student the conventions of pictorial space and the language of color, as well as basic painting techniques. The study of syntax of traditional painting and the mastery of materials and techniques are basic components of the class. Class assignments and individual projects explore technical, conceptual, and historical issues central to understanding the language of painting. Paintings from different historical periods are discussed in relation to contemporary painting today. Offered every semester. Satisfies Liberal Education Curriculum requirement.

Prerequisite: ECII.

VA2500 Art History I: 19th Century Art 4 cr.

This class begins with the history of Modern Art in 1750 in the context of the Enlightenment and the French Revolution. It covers the major movements in European Art from Neo Classicism, Romanticism, Realism, Impressionism, and Post-Impressionism. Artistic developments are presented within their historical and social contexts. We will study the changing role of art in by considering the impact that dramatic political upheavals and the Industrial Revolution had on the idea and production of art. Offered once every year. Satisfies Liberal Education Curriculum requirement.

Prerequisite: ECI.

VA2510 Art History II: Modern Art: 1900-1945 4 cr.

This second part of the survey begins with the art of the twentieth century. It examines the many challenges to the definition and role of art that emerge from the major movements of the century such as Cubism, Surrealism, Dada, and Abstract Expressionism. The course traces the impact of photography, mass production, and politics on the role of art in early 20th century society. It also examines the split that occurs between artists who wish to make politically engaged art and artists who wish to make art for art's sake. Offered once every year. Satisfies Liberal Education Curriculum requirement.

Prerequisite: ECI.

VA2520 History of Photography 4 cr.

This course introduces the history of photography from its inception in the 1830's to recent practices of photographers and artists working with digital technologies. The primary goals of the course are to develop visual literacy, acquire familiarity with complex and contradictory genres, and understand the social functions of photographic

image production. This course will look at significant examples of photography in art, science, war, and other fields and discuss the concepts that relate to this work. Offered every semester. Satisfies Liberal Education Curriculum requirement.

Prerequisite: ECI.

VA2600 Study Abroad in France

4 cr.

Offered in the summer. Satisfies Liberal Education Curriculum requirement.

Prerequisite: ECI.

***VA 2750 Sculpture I**

4 cr.

Sculpture I is an introduction to the concepts, materials, and methods of sculpture. The class will explore a wide variety of sculptural tools and techniques both traditional and digital with an introduction to digital fabrication, 3-D printing, and CNC milling. Along with form making and composition, the properties and potential of various materials will also be investigated. Emphasis is placed on the relationship of material to concept, and the processes used in making a sculpture. In addition, the course will address contemporary issues relating to sculpture in the late twentieth and early twenty-first centuries. Offered every semester. Satisfies Liberal Education Curriculum requirement.

VA3100 Visual Culture: Warhol to the Present

4 cr.

This course examines the role of art in a contemporary society inundated with visual imagery. We will situate the major art movements of the 1960s and 70s (Pop, Minimalism, Conceptual Art, and Performance) within the socio-historical context of the Civil Rights Movement and the Vietnam War. The course considers how contemporary art comments upon such diverse issues of race, gender and sexuality. We will also look at how the critic, the gallery, and the museum help to determine how art is defined. Required for all Art majors. Offered once every year. Satisfies Liberal Education Curriculum requirement.

Prerequisite: ECI.

***VA3200 Art Tutorials I**

4 cr.

Art majors must meet in tutorial sessions with the instructor to discuss ongoing work in any media. Criticism is geared to development of self confidence in the creative process and to implement technical and productive solutions. All students are required to meet with collective faculty for collective criticism. Required for all Art majors. (Teacher Education majors who have selected the Visual Arts concentration will learn to analyze the creative process as it relates to the classroom; how to conceptualize, and plan projects that explore creativity.) Offered every semester.

Prerequisites: VA2010 and two foundation courses: ECI.

VA3340 Introduction to African Arts

4 cr.

An introduction to the traditional and contemporary arts of the African continent. We will explore the relationship of the visual arts and the complex historical, cultural and religious context of traditional African societies. Parts of the course will be devoted to contemporary arts in post-colonial Africa, transnational developments, the internationalization of African arts and aspects of Diaspora arts. Offered once a year. Satisfies Liberal Education Curriculum requirement.

Prerequisite: ECI.

VA3350 A Topics in Contemporary Art: New Media

4 cr.

This course examines recent trends and developments in the field of new media. It discusses the relation of contemporary art to other cultural, political and technological developments. Offered once a year. Satisfies Liberal Education Curriculum requirement.

Prerequisite: ECI.

VA 3350 B Topics in Contemporary Art: Art Since 1980

4 cr.

This course examines recent trends and developments in contemporary art since 1980 and discusses it in relation to the cultural and socio-political context. Topics include: identity, body politics, socially engaged art. Offered once a year. Satisfies Liberal Education Curriculum requirement.

Prerequisite: ECI.

***VA3380 Digital Video**

4 cr.

Students will obtain a strong foundation in digital video on the Macintosh computer through instruction in preproduction and production fundamentals. Video editing will be done with Final Cut Pro software. Students will have their own computer workstations and access to cameras, recorders, color scanners and printers. This course will provide students with the knowledge of the aesthetic, critical and analytical processes required to create effective digital videos. Offered every semester.

Prerequisite: ECI.

***VA3400 Digital Imaging**

4 cr.

This course covers the capabilities of both pixel-based and vector-based digital imaging software. Using Photoshop and Illustrator, students create a range of projects that explore the creative potential within these programs while developing the skills necessary to execute original concepts. This course serves as a digital foundation upon which more advanced digital work in both 2D and 3D design can be built. It is a must for anyone considering a career in communications, publishing, advertising and the visual arts. Offered every semester. Satisfies Liberal Education Curriculum requirement.

Prerequisite ECI.

***VA3460 Painting II** **4 cr.**

This course emphasizes the command of the conventions of pictorial space and the language of color. The study of the syntax of traditional painting and the mastery of materials and techniques are basic components of the class. Class assignments and individual projects explore technical, conceptual and historical issues central to understanding the language of painting. Offered every semester.

Prerequisite: Painting I or permission of the instructor; ECII.

***VA4200 Art Tutorials II** **4 cr.**

This course is the second level of the Tutorial Sequence. Required for all Art majors. (Teacher Education majors who have selected the Visual Arts concentration will focus on how to teach the creative process.) This is the second level of the tutorials sequence that focuses on the processing of students' own projects. Materials, techniques, and theory of criticism will be covered. Offered every semester.

Prerequisites: All foundation courses; VA3200; ECI.

***VA4260 Interactive Web Design** **4 cr.**

This course emphasizes design elements and principles as well as technical methods for creating interactive projects for the web. Working on their own original projects, students will gain a comprehensive understanding of hypertext mark-up language, cascading style sheets, interface design, and graphics protocol. Basic javascript to create interactivity, eBooks, and a game design wherein students create their own artwork, is also covered. Students use Dreamweaver, Photoshop, Javascript, text editors, Flash, ePub, and a game design content management system to create projects. Offered every semester.

Prerequisite: EC1

VA4265 3D Digital Design **4 cr.**

This course will cover 3D modeling and an introduction to 3D animation. Polygon and Nurb modeling, as well as deformers and rigging, will be taught as tools for expressing students' own ideas for 3D environment, character and object designs. From these projects, students will be introduced to the methods of animating and 3D printing of their models. Offered every semester.

Prerequisite: ECI.

***VA4320 Graphic Design II** **4 cr.**

This course builds upon the elements and principles of graphic design outlined in Graphic Design I. Students will develop concepts that lead to effective design solutions across media platforms including: print design, packaging and logo design, web, eBook and environmental design. Students will use a variety of Adobe software: InDesign, Photoshop, Illustrator, Dreamweaver, Flash and ePub. Offered every semester.

Prerequisite: Graphic Design I or permission of the instructor.

***VA4360 Advanced 3D Design and Animation** **4 cr.**

This course is designed for students to further develop projects at an advanced level in the Electronic Media areas of animation, 3D design and/or video. Previous experience in one of these areas is required. Offered every semester.

Prerequisites: at least 2 Electronic Media courses.

***VA4460 Digital Animation** **4 cr.**

This course teaches the principles of 2-D animation covering storyboarding, sound, rotoscoping, stop-motion animation, Cel animation and Key frame animation. Utilizing current animation timeline-based software and video/sound editing tools, students will conceptualize, design, draw and compose digital animations. Offered every semester. Satisfies Liberal Education Curriculum requirement.

Prerequisite: ECI.

***VA4750 Sculpture II** **4 cr.**

Sculpture II builds upon the concepts and tools learned in Sculpture I with a more rigorous conceptual approach and an elevated development of materials and skills. The second semester of sculpture continues to develop the student's conceptual, visual and technical skills acquired in Sculpture I with increased levels of complexity and an emphasis on developing digital sculpture. This course provides students with a solid understanding of the basis of digital fabrication as it applies to 3-D printing, CNC milling and component-based assembly methods. Students will evolve their abilities to explore the interdependence of content and medium in a critical and contemporary art context. Offered every semester. Satisfies Liberal Education Curriculum requirement.

VA4900 Internship **4 cr.**

Students intent on becoming professional artists will use this Internship to work with an established artist. Students interested in peripheral art activities will use this Internship in a professional area close to his/her interest. Offered every semester. Required of all Art majors; 120 hrs. minimum.

Prerequisites: All foundation courses; ECI.

***VA5200 Art Tutorials III** **4 cr.**

This course is the third level of the Tutorial Sequence. Required of all Art majors. (Teacher Education majors who have selected the Visual Arts concentration will focus on research skills, delving into the value of the creative process in art, as it applies to problem solving, and the relationship of the creative process in art as it relates to other fields and disciplines.) Offered every semester.

Prerequisites: All foundation courses; VA3200; VA4200 or VA4300; ECI.

***VA5900 Senior Project** **4 cr.**

Upon recommendation of the VA faculty and with the student holding a minimum GPA of 3.0 in Art Tutorials II and Art Tutorials III, the Student will create art work for an exhibition at the campus' Amelie A. Wallace Gallery.

Other Art Majors who have finished the Art Tutorial sequence, but are not recommended for a final exhibition, will instead write a final Senior Thesis. This thesis will address an art topic to be decided on, in consultation with the Visual Arts Faculty. Teacher Education majors who have selected the Visual Arts concentration will use Senior Project as an opportunity to assemble a final portfolio of sample art projects, a written journal of classroom observations and techniques and a research paper on the possibilities of integrating the art process into the classroom as a learning tool.

Seniors passing Senior Project – Art Exhibition will receive recommendations for MFA programs. Students who choose to graduate with a thesis will be recommended into MA programs. Offered every semester.

Prerequisites: VA3200, VA4200 and VA5200, approval by faculty after VA5200; ECI, Senior Standing.

VA9990 Independent Study **4 cr.**

Students work on independent art projects. or independent art history research. Offered every semester.

Prerequisites: All foundation courses; VA3200; ECI and permission of Instructor.

PERFORMING ARTS

MD2633 Introduction to Music Composition **4 cr.**

In this introductory course in music, students explore the language of music through successive readings, research projects, listening, and compositional assignments. A study of a wide diversity of musical styles serves as an incentive for student compositions in those styles. Students will examine a variety of topics, such as history and theory of music, orchestration, form, and aesthetic considerations of music genres and idioms. Drawing from a broad range of musical styles, traditions, and historical periods student will produce 5 short pieces and 2 research projects based on class discussions and assigned readings. Background in music not required

MD1000 Music of Global Cultures I **4 cr.**

An introductory course focused on understanding and exploring the meaning and art of traditional and popular music and global cultures. This course presents music from diverse cultures examining historical perspectives and their impact on society. Students will be introduced to basic rhythms, melodies and harmonies. Cultures on focus include introduction to the music of Africa, Europe, Asia and the Americas. Course will include review of videos, films and recordings, and may include one field trip outside of regular class time to attend a live concert.

MD1010 Music of Global Cultures II—An Interactive Course **4 cr.**

The course will focus on the relationship of music to the cultural and social environments of diverse communities. Music will be examined as a rhythmic newspaper creatively expressing the voice of culturally diverse communities seeking to inform and contribute to the mosaic of civil society. Working with professional musicians, students will be introduced to music theory, basic reading, writing and composition. Cultures on focus include expanded introduction to the music of Africa, Asia, Europe and the Americas. Course will include review of videos, films and recordings.

MD1100 Traditional and Popular Dances of Global Cultures **4 cr.**

This introductory dance course bridges the disciplines of music, song and dance, exploring the ways in which tradition and popular dances transmit meaning and contribute to an understanding of cultural diversity. The basic dance course focuses on healthy alignment principles that strengthen the body. The course will emphasize the dance techniques of diverse societies of Africa, Europe and the Americas. Cultures on focus include introduction to the music of Africa, Europe, Asia and the Americas. Course will include review of videos, films and slides.

MD1110 The Culturally Diverse Language of Dance—The Anatomy of Movement **4 cr.**

Dance embodies the language of culture through movement. This introductory course examines the role of dance in articulating the human rights of diverse cultural communities. The historical global dance survey will focus on the societal conditions that created and influenced different dance styles and movements. Working with professional dancers and musicians, students will study dance history, improvisation and basic dance composition. The interactive dance survey will include the cultures of Africa, Asia, Europe and the Americas. Course will include review of videos, films and slides.

MD2350 Acting **4 cr.**

This course will introduce acting as an intellectually academic, emotional, and physical art giving each its due. The course's approach to acting is largely based on the Stanislavsky method of actor training known as the "Magic If": "What would I do IF ... I were that character in that situation." We will work to achieve that reality

through theater games and improvisations and by working on scenes cast with two or three actors from classic or contemporary full length or one act plays. The scenes will be selected to be appropriate for the mostly young adult student body. Students will analyze their own and other students' performances through class discussions and in written assignments. The class will culminate in a performance of the scenes during the assigned final exam week. Offered every semester.

MD3010 History of Jazz

4 cr.

Jazz is a unique American art form and an integral part of the American experience. This class will study the evolution of jazz, starting with its roots in work songs, spirituals, and the Blues songs of African slaves and African-Americans and continuing with the influence of European music on these to create the jazz forms of the New World. The course covers the birth of jazz in New Orleans and its dissemination to St. Louis, Chicago, Kansas City and New York. There will be a review of the great innovators and popularizers and investigation of its forms and structures. Offered periodically.

WOMEN AND GENDER STUDIES

WS1000/AS1512 Introduction to Women's Studies

4 cr.

Explores the development of women's lives, from childhood through adolescence to maturity. Focuses on the family, school, sexuality, and career options, and how these experiences and choices are affected by race, class, religion, ethnic origin, and gender. Readings include fiction, autobiography, history, and social science. Offered every semester.

Prerequisite: BEII.

WS4900 Internship in Women and Gender Studies

4 cr.

Women and Gender Studies internships offer an opportunity to apply what a student has learned in Women's Studies courses to concrete situations in contemporary life, to help organizations working on women's issues, and to gain valuable experience, skills, and networks for future careers addressing women's lives, gender inequality, or social justice. Students may also intern at the SUNY Old Westbury Women's Center. Students registering for this internship will be required to complete formal and informal written assignments as well as participate in the programming of their internship. Prerequisites: AS1512, and permission of Women and Gender Studies Director..

Prerequisites: AS1512, and permission of Women and Gender Studies Director.

SUNY OLD WESTBURY

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Sachi Dastidar, Distinguished Service Professor, School of Arts and Sciences, Politics, Economics and Law

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Ph.D., Binghamton University, Binghamton, NY.

Marcia Gillespie, Visiting Instructor, School of Arts and Sciences, American Studies
B.A., Lake Forest College

William Gillis, Assistant Professor, School of Arts and Sciences, Biology
Ph.D., University of Oregon
B.S., University of Delaware

David Glodstein, Associate Professor, School of Business, Accounting
Ph.D., Northcentral University
B.S., George Washington University
M.S., Long Island University, C.W. Post
C.P.A.

Keisha Goode, Visiting Assistant Professor, School of Arts and Sciences, Sociology
B. A., University of Maryland
M. A., George Washington University
Ph.D., CUNY Graduate School and University Center

Rubén González, Department of Modern Languages, Chairperson
BA University of Puerto Rico, Rio Piedras
MA Stony Brook University
Ph.D. University of Florida, Gainesville

Amara Graf, Assistant Professor, School of Arts and Sciences, English
B.A., Saint Mary's College of Notre Dame
M.A., Ph.D., The University of Texas at Austin

Kathleen Greenberg, Associate Professor, School of Arts and Sciences, Psychology
B.A., CUNY/Queens College
M.A., Ph.D., Adelphi University

Karl Grossman, Professor, School of Arts and Sciences, American Studies
B.S., Empire College
M.A., New School for Social Research

Fernando Guerrero, Associate Professor, School of Arts and Sciences, Modern Languages
B.A., M.A., University of Deusto, Bilbao
Ph.D., SUNY/Stony Brook

Naresh Gupta, Professor, School of Arts and Sciences, Mathematics, Computer and Information Science
B.S., Punjab University
B.E., Indian Institute of Science
M.S., Ottawa University
Ph.D., Polytechnic Institute of Brooklyn

Costas Hadjicharalambous, Associate Professor, School of Business, Business Administration
B.Sc., Athens Graduate School of Economics & Business
M.B.A., CUNY/Baruch College
M. Phil., Ph. D., CUNY/The Graduate School & University Center

Lili Hai, Associate Professor, School of Arts and Sciences, Mathematics, Computer and Information Science
B.S., Beijing University
M.S., North China Institute of Computing Technology
Ph.D., New Jersey Institute of Technology

Rahwa Haile, Assistant Professor, School of Arts and Sciences, Biological Sciences
B.A., Columbia University
M.A., Ph.D., University of Michigan, Ann Arbor

Patricia Harris, Assistant Professor, School of Arts and Sciences, Visual Arts
B.A., Reed College
M.F.A., CUNY/Queens College

Andrew Hashey, Assistant Professor, School of Education, Exceptional Education and Learning
B.A., University of Massachusetts
M.S., Buffalo State
Ph.D., University at Buffalo, SUNY

Christopher Hartmann, Assistant Professor, School of Arts and Sciences, Public Health
B.S., Xavier University
M.A., Ohio State University
Ph.D., Ohio State University

Jacob Heller, Associate Professor, School of Arts and Sciences, Sociology
B.S., M.A., Ph.D., SUNY/Stony Brook

Christopher Hobson, Associate Professor, School of Arts and Sciences, English
B.A., Harvard University
M.A., University of Chicago
Ph.D., CUNY/Graduate School & University Center

Robert M. Hoyte, Distinguished Teaching Professor, School of Arts and Sciences, Chemistry/Physics
B.S., Long Island University
M.S., Ph.D., Rutgers University

Amy Hsu, Associate Professor, School of Education, Childhood Education
B.A., M.S., Adelphi University
Ed.D., Hofstra University

Peter Ikeler, Assistant Professor, School of Arts and Sciences, Sociology
B.A., New York University
M.A., Ruhr University Bochum (Germany)
Ph.D., CUNY Graduate School and University Center

Camille Jones, Visiting Assistant Professor, School of Arts and Sciences, Chemistry
B.S., Butler University
Ph.D., University of Toledo

Seojung Jung, Assistant Professor, School of Arts and Sciences, Psychology
A.B.D., Fordham University

Rachel Kalish, Visiting Instructor, School of Arts and Sciences, Sociology
B.A., M.P.S., M.A., SUNY/Stony Brook

Sylvie Kande, Associate Professor, School of Arts and Sciences, History and Philosophy
License, University of Paris IV
Maitrise, University of Paris IV
Doctorat, University of Paris VII

Maureen Keefe, Visiting Assistant Professor, School of Arts and Sciences, Politics, Economics and Law
B.S., M.B.A., St. John's University College of Business Administration

Mervyn Keizer, Professor, School of Arts and Sciences, English
B.A., University of Toronto
A.M., Ph.D., Harvard University

Myong-Hi Kim, Associate Professor, School of Arts and Sciences, Mathematics, Computer and Information Science
B.S., Yonsei University, Korea
Ph.D., CUNY/The Graduate School & University Center

Youngjoo Kim, Assistant Professor, School of Arts and Sciences, Chemistry/Physics
B.S., M.S., Kyunghee University, Korea
Ph.D., Oregon Health & Science University

William Knack, Associate Professor, School of Arts and Sciences, Psychology
B.A., Adelphi University
M.A., Ph.D., Hofstra University

Jason Kouludis, Senior Assistant Librarian, Library
B.A., SUNY/Stony Brook
M.A., Long Island University, C.W. Post

Laurence Krause, Associate Professor, School of Arts and Sciences, Politics, Economics and Law
B.A., CUNY/Queens College
M.A., Ph.D., University of Massachusetts at Amherst

Eileen Landy, Associate Professor, School of Arts and Sciences, Sociology
A.B., Syracuse University
M.A., Ph.D., University of Pennsylvania
Chancellor's Award for Excellence in Teaching 1999-00

Cary Lange, Associate Professor School of Business, Accounting
B.S., M.Sc., Long Island University, C.W. Post
M.B.A., CUNY/Baruch College
Ph.D., CUNY/The Graduate School & University Center

Angel Lara, Assistant Professor, School of Arts and Sciences, Modern Languages
A.D. Lomonosov Moscow State University
B.A., M.A., Ph.D., Complutense University of Madrid

Yu Lei, Assistant Professor, School of Business, Management
B.S., Dongbei University of Finance & Economics
M.S., Binghamton University, SUNY
Ph.D., Binghamton University, SUNY

Hedva Lewittes, Professor, School of Arts and Sciences, Psychology
B.A., Brandeis University
M.A., Teachers College/Columbia University
Ph.D., Stanford University

Lingxiang Li, Assistant Professor, School of Business, Accounting
B.A., Central China Normal University, Wuhan, China
B.S., Zhongnan University of Economics and Law, Wuhan, China
M.S., Bowling Green State University
Ph.D., Rensselaer Polytechnic Institute

Shijian Li, Assistant Professor, School of Arts and Sciences, Biological Sciences
B.A., Foreign Affairs College of China
M.S.W., M.A., Ph.D., University of Michigan, Ann Arbor

Ashlee Lien, Assistant Professor, School of Arts and Sciences, Psychology
B.A., North Park University
M.A., Ph.D., Wichita State University

Thomas J. Lilly, Jr., Assistant Professor, School of Arts and Sciences, Politics, Economics and Law
B.A., Holy Cross College
J.D., Georgetown University Law Center

Laura Limonic, Assistant Professor, School of Arts and Sciences, Sociology
B.A. Brandeis University
M.A., Columbia University
Ph.D., CUNY Graduate School and University Center

Martha Livingston, Professor, School of Arts and Sciences, Biological Sciences
B.A., CUNY/Brooklyn College
M.A., University of Saskatchewan, Canada
Ph.D., SUNY/Stony Brook
Chancellor's Award for Excellence in Teaching 2002-03

Judith Lloyd, Professor, School of Arts and Sciences, Chemistry/Physics; School of Education, Adolescence Education
B.A., SUNY/Binghamton
Ph.D., Ohio State University

Peter Lucido, Associate Professor, School of Business, Accounting
B.S., SUNY/Albany
J.D., Fordham University
L.L.M., New York University

Zenaida Madurka, Associate Professor, School of Arts and Sciences, Modern Languages
B.A., Dowling College
M.A., Ph.D., SUNY/Stony Brook

Edislav Manetovic, Assistant Professor, School of Arts and Sciences, Politics, Economics & Law
B.A., M.A., CUNY/City College
M.Phil, Ph.D., CUNY Graduate School and University Center

Xavier Maréchaux, Associate Professor, School of Education, Adolescence Education; School of Arts and Sciences, History and Philosophy
M.A., Ph.D., Université de Paris I, Pantheon-Sorbonne

Julio Gonzalez Martinez, Associate Professor, School of Education, Exceptional Education
B.A., Loyola University
M.Ed., Ed.D., University of Massachusetts/Amherst

Manya Mascareno, Associate Professor, School of Arts and Sciences, Biological Sciences
B.S., M.A., University of Jammu, India
Ph.D., SUNY, Health Science Center at Brooklyn

Andrew Mattson, Instructor, School of Arts and Sciences, American Studies
B.A., Oberlin College

Roger Mayer, Assistant Professor, School of Business, Accounting
B. S., SUNY/Regents College
M.B.A., D.B.A., Nova Southeastern University
C.P.A.

Patricia McLaughlin, Associate Professor, School of Arts and Sciences, Visual Arts
B.F.A., Syracuse University
M.F.A., CUNY/Hunter College

Shaadi Mehr, Assistant Professor, School of Arts and Sciences, Biological Sciences
B.Sc., Melli University, Tehran, Iran
M.A., Ph.D., CUNY Graduate School and University Center

Fred Millan, Professor, School of Arts and Sciences, Psychology
B.A., New York University
M.A., Ed.M., Ph.D., Teachers College/Columbia University
Chancellor's Award for Excellence in Teaching 2001-02

Jasmine Mitchell, Assistant Professor, School of Arts and Sciences, American Studies
B.A., Williams College
Ph.D., University of Minnesota

Yogesh More, Assistant Professor, School of Arts and Sciences, Mathematics, Computer and Information Science
B.S., Massachusetts Institute of Technology
Ph.D., University of Michigan, Ann Arbor

Laurette Morris, Associate Professor, School of Arts and Sciences, Psychology
B.A., Stanford University
M.A., M.A., Ph.D., SUNY/Stony Brook

Elizabeth Morphis, Assistant Professor, School of Education
B.A., University of Rochester
M.S., Columbia University/Canisius College
Ed.D., Teachers College, Columbia University

Basabi (Runi) Mukherji, Professor, School of Arts and Sciences, Psychology
B.S., Indian Institute of Technology at Kharagpur
M.S., Indian Institute of Technology at Bombay
Ph.D., SUNY/Stony Brook

Albert Murphy, Associate Professor, School of Business, Business Administration
B.S., University of West Indies
M.S., M.Phil., CUNY/Baruch College
Ph.D., CUNY/ The Graduate School & University Center

Rose Muzio, Assistant Professor, School of Arts and Sciences, Politics, Economics and Law
B.A., SUNY College at Old Westbury
M.A., New York University Graduate School of Arts and Sciences
Ph.D., CUNY/The Graduate School & University Center

Lorenz Neuwirth, Assistant Professor, School of Arts and Sciences, Psychology
B.A., The College of Staten Island
M.S., The Graduate Center, CUNY
Ph.D., The Graduate Center, CUNY

Fernando Nieto, Professor, School of Arts and Sciences, Biological Sciences
B.S., University of Complutense of Madrid
M.A., CUNY/City College
Ph.D., CUNY/The Graduate School & University Center

Christos Noutsos, Visiting Assistant Professor, School of Arts and Sciences, Biology
B.S., Technological Educational Institute
M.S., Wageningen University
Ph.D., Wageningen University, Netherlands

Kathleen T. O'Connor-Bater, Associate Professor, School of Arts and Sciences, Modern Languages
B.A., University of Pennsylvania
M.L.A., Johns Hopkins University
M.Ed., Teachers College/Columbia University
M.Phil., Ph.D., Columbia University

Barbara Olsen, Professor, School of Business, Business Administration
B.S., SUNY/New Paltz
M.A., Ph.D., New School for Social Research
Chancellor's Award for Excellence in Teaching 1995-96

Michael Onorato, Assistant Professor, School of Business, Business Administration
A.A.S., SUNY/Farmingdale
B.S., M.B.A., Ed.D., St. John's University

Kevin Ozgercin, Associate Professor, School of Arts and Sciences, Politics, Economics & Law
B.A., SUNY College at Old Westbury
Ph.D., CUNY/The Graduate School & University Center

Diana Papademas, Associate Professor, School of Arts and Sciences, Sociology
B.A., M.A., Ph.D., Syracuse University

Lillian Park, Associate Professor, School of Arts and Sciences, Psychology
B.A., Ph.D., University of California, Berkeley

Kasia Platt, Assistant Professor, School of Business, Finance
M.A., Fordham University
M.B.A., Baruch College, CUNY
Ph.D., Baruch College, CUNY

Nicholas Powers, Associate Professor, School of Arts and Sciences, English
B.A., Emerson College
Ph.D., CUNY/The Graduate School & University Center

Dana Prewitt, Assistant Professor, School of Arts and Sciences, Sociology
B.A., Ohio University
M.A., Indiana University
Ph.D., Indiana University

Stephen Pryor, Associate Professor, School of Arts and Sciences, Biological Sciences
B.A., M.P.H., Ph.D., University of Texas

Duncan Quarless, Professor, School of Arts and Sciences, Chemistry/Physics
B.S., CUNY/Staten Island
M.S., Ph.D., SUNY/Stony Brook
Chancellor's Award for Excellence in Teaching 2007

Carol Quirke, Associate Professor, School of Arts and Sciences, American Studies
B.A., Carelton College
Ph.D., CUNY/The Graduate School & University Center

David Ralston, Assistant Professor, School of Arts and Sciences, Mathematics, Computer and Information Science
B.A., Yale University
Ph.D., Rice University

Sujani Reddy, Associate Professor, School of Arts and Sciences, American Studies
B.A., Yale University
Ph.D., New York University

Virgilija Remeza, Visiting Instructor, School of Arts and Sciences, Biological Sciences
B.A., M.S., CUNY/Hunter College

Steve Samuel, Visiting Associate Professor, School of Arts and Sciences, Chemistry/Physics
B.S., University of West Indies, Jamaica
M.A., Ph.D., Clark University

Frank Sanacory, Associate Professor, School of Arts and Sciences, Mathematics, Computer and Information Science
B.S., Penn State University
Ph.D., University of South Carolina
Chancellor's Award for Excellence in Teaching 2011-12

Werner Sbaschnik, Associate Librarian, Library
B.A., St. John's University
M.S., Long Island University

Stephanie Schneider, Assistant Professor, School of Education, Childhood Education
B.A., SUNY/Binghamton
M.S., Hofstra University
Ph.D., Hofstra University

Eric Schwartz, Lecturer, School of Arts and Sciences, Biological Sciences
B.S., SUNY/Stony Brook
D.P.M., New York College of Podiatric Medicine

Zhihong Shi, Associate Professor, School of Business, Business Administration
B.A., Xiamen University
M.B.A., Ph.D., CUNY/Baruch College

Amanda Shighihara, Assistant Professor, School of Arts and Sciences, Sociology
B.A., Saint Mary's College of California
M.A., San Jose State University
Ph.D., University of Colorado at Boulder

Chelsea Shields-Mas, Visiting Assistant Professor
School of Arts and Sciences, History
B.A., Mount Holyoke College
M.A., University of York, England
Ph.D., University of York, England

Jeanne Shimizu, Assistant Professor, School of Education, Adolescent Education; School of Arts and Sciences, Mathematics
A.A., American River College
B.S., University of California, Davis
M.S., Santa Clara University
Ph.D., Pennsylvania State University

Nicole Siben, Assistant Professor, School of Education, Adolescent Education; School of Arts and Sciences, English
B.A., Loyola University
M.A., Adelphi University
Post M.A., Syracuse University
Ed.D., Hofstra University

Shalei V. K. Simms, Assistant Professor, School of Business, Business Administration
B.A., Wesleyan University
Ph.D., Rutgers Business School

Elena Smirnova, Associate Professor, School of Business, Business Administration
M.A., University of Connecticut
M.B.A., CUNY/Baruch College
Ph.D., CUNY/The Graduate School & University Center

Sarah Smith, Assistant Professor, School of Arts and Sciences, Public Health
B.A., University of South Florida
M.P.H., University of South Florida
Ph.D., University of South Florida

Samara Smith, Assistant Professor, School of Arts and Sciences, American Studies
B.A., CUNY Baccalaureate
M.F.A., CUNY/Hunter College

Jingyi Song, Professor, School of Arts and Sciences, History and Philosophy
B.A., Beijing University of Foreign Studies
M.A., University of Denver
Ph.D., CUNY/ The Graduate School & University Center

Joanne Spadaro, Associate Librarian, Library
B.A., SUNY College at Old Westbury
M.A., M.S.I.S., SUNY/Albany

Blidi Stemn, Assistant Professor, School of Education, Childhood Education
B.Sc., Cuttington University, Liberia
Diploma, University of Bristol, England
M.A., Cardiff University, Wales, United Kingdom
Post Graduate, University of Exeter, England
Ph.D., University of Connecticut - Storrs

Diana Sukhram, Associate Professor, School of Education, Exceptional Education
B.A., University College of Belize
M.Ed., Slippery Rock University
Ph.D., University of Illinois at Urbana-Champaign

Geta Techanie, Associate Professor, School of Arts and Sciences, Mathematics, Computer and Information Science
B.S., M.S., Addis Ababa University, Ethiopia
Ph.D., University of North Carolina at Charlotte
Chancellor's Award for Excellence in Teaching 2010-11

Henry Teoh, Distinguished Service Professor, School of Arts and Sciences, Chemistry/Physics
B.S., University of Rangoon
M.A., Ph.D., University of Texas

Margaret Torrell, Associate Professor, School of Arts and Sciences, English
B.A., M.A., Long Island University, C.W. Post
D.A., St. John's University

Lauren Valasa Foxworth, Assistant Professor, School of Education, School of Education
B.S., Pennsylvania State University
M.S., Pennsylvania State University
Ph.D., The Pennsylvania State University

Kathleen Velsor, Associate Professor, School of Education, Childhood Education
B.A., The Lindenwood Colleges
M.A., Lehigh University
Ph.D., University of Cincinnati

Judith Walsh, Professor, School of Arts and Sciences,
History and Philosophy
B.A., Barnard College
M.A., Ph.D., Columbia University

Lynn Walsh, Associate Professor, School of Business,
Business Administration
A.B., North Central College
M.S., Long Island University
Ph.D., New York University
Chancellor's Award for Excellence in Professional
Service 1979-80
Chancellor's Award for Excellence in Teaching, 1998-99

Denton Watson, Associate Professor, School of Arts
and Sciences, American Studies
B.A., University of Hartford
M.S.C., Graduate School of Journalism,
Columbia University

Nicholas Werner, Assistant Professor, School of Arts
and Sciences, Mathematics/CIS
B.A., College of New Jersey
M.S., Ohio State University
Ph.D., Ohio State University

Lisa Whitten, Associate Professor, School of Arts and
Sciences, Psychology
B.A., University of Michigan
Ph.D., Adelphi University
Chancellor's Award for Excellence in Teaching 1995-96

Anissa Wicktor Lynch, Assistant Professor, School of
Education, School of Education
M.A., University of Alabama
University of Wisconsin
Ph.D., The University of Texas at Austin

Jessica L. Williams, Visiting Assistant Professor, School
of Arts and Sciences, English
B.A., SUNY College at Old Westbury
M.A., SUNY/Stony Brook
Ph.D., St. Johns University

Kenneth Winkelman, Associate Professor, School of
Business, Accounting
B.S., SUNY/Buffalo
J.D., Hofstra University
L.L.M., New York University School of Law

Konrad Wu, Professor, School of Arts and Sciences,
Chemistry/Physics
B.S., Fu-jen University
Ph.D., SUNY/Albany

Ryoko Yamamoto, Associate Professor, School of
Arts and Sciences, Sociology
B.A., Sophia University
M.A., University of Missouri-Columbia
Ph.D., University of Hawaii at Manoa

Hyewon Yi, Lecturer, School of Arts and Sciences,
Visual Arts
B.F.A., Duk Sung Women's University, Seoul, Korea
M.A., University of Massachusetts - Amherst
M.Phil., D. Phil, CUNY Graduate School and University
Center

Tong Yi, Lecturer/Lab Manager, School of Arts and
Sciences, Mathematics/CIS
M.S., Huzhong University China
M.S., Louisiana State University
Ph.D., Louisiana State University

Lori Zaikowski, Professor, School of Arts and
Sciences, Chemistry and Physics
Ph.D., Stony Brook University, Stony Brook, NY.

Lan Zhao, Professor, School of Arts and Sciences,
Mathematics, Computer and Information Science
B.S., Chongqing University, China
M.Sc., Ph.D., Brown University

Jishan Zhu, Associate Professor, School of Business,
Business Administration
M.A., Ph.D., University of Iowa

Gilda Zwerman, Professor, School of Arts and
Sciences, Sociology
B.A., SUNY/Cortland
Ph.D., New York University
Chancellor's Award for Excellence in Teaching 1992-93

Professors Emeriti

Rajan Anantharaman, Professor Emeritus, School of
Arts and Sciences, Mathematics, Computer and
Information Science
B.A., M.A., St. Joseph's College at Trichy (India)
Ph.D., University of Alberta

Everard Barrett, Associate Professor Emeritus, School
of Arts and Sciences, Mathematics, Computer and
Information Science
B.S., City College/CUNY
M.S., Adelphi University

Anne Barstow, Professor Emerita, School of Arts and
Sciences, History and Philosophy
B.A., University of Florida
M.A., Union Theological Seminary
M.S., Ph.D., Columbia University

Constance J. Batty, Associate Professor Emerita,
School of Education
B.S., SUNY/Fredonia
M.S., Hofstra University
Ed.D., University of Massachusetts at Amherst

Arlene Blasius, Associate Professor Emerita, School
of Arts and Sciences, Mathematics, Computer and
Information Science
B.S., SUNY/New Paltz
M.S., Ph.D., Adelphi University

Aubrey Bonnett, Professor Emeritus, School of Arts
and Sciences, American Studies
B.A., Inter-American University of Puerto Rico
M.A., University of Alberta
Ph.D., CUNY/The Graduate School & University Center

Luis E. Camnitzer, Professor Emeritus, School of Arts
and Sciences, Visual Arts
Sculptor, School of Fine Arts/University of Montevideo
Sculpture and Printmaking, Academy of Munich

Philip A. Camponeshchi, Associate Professor
Emeritus, School of Arts and Sciences, History and
Philosophy
B.S., St. John's College
L.L.B., University of Maryland

Velta Clarke, Professor Emerita, School of Education,
Childhood Education
B.A., M.A., Ph.D., University of the West Indies
M.B.A., Long Island University

Lourdes Collantes, Librarian Emerita, Library
A.B., University of the Philippines
M.L.S., M.Ed., Ph.D., Rutgers University
Chancellor's Award for Excellence in Librarianship 1993-94

Jonathan H. Collett, Professor Emeritus, School of Arts and Sciences, History and Philosophy
B.A., Haverford College
M.A., Ph.D., Columbia University

Afida Merle Derby, Assistant Professor Emerita, School of Arts and Sciences, American Music, Dance & Theatre
B.A., CUNY/Hunter College
M.A., New York University

Emilia Doyaga, Distinguished Teaching Professor Emerita, School of Arts and Sciences, History and Philosophy
B.A., CUNY/Hunter College
M.A., Columbia University
Diploma de estudios hispanicos, Universidad de Oviedo
Ph.D., New York University

Roberta Jill Edelson, Assistant Professor Emerita, School of Education
B.S., Cornell University
M.S., Dowling College
Ed.D., Nova University

Onita Estes-Hicks, Distinguished Teaching Professor Emerita, School of Arts and Sciences, English
B.A., M.A., M.Phil., Ph.D., Columbia University

Carolyn F. Etheridge, Associate Professor Emerita, School of Arts and Sciences, Sociology
B.A., University of Liverpool
M.A., University of Minnesota
Ph.D., University of Washington

Georgina Falu, Associate Professor Emerita, School of Business, Accounting
B.B.A., University of Puerto Rico
M.B.A., University of California, Berkeley
Ed.D., Teachers College/Columbia University

Jesse Fernandez, Distinguished Teaching Professor Emeritus, School of Arts and Sciences, Modern Languages
B.A., M.A., CUNY/Hunter College
Ph.D., CUNY/The Graduate School & University Center

Anthony Galatianos, Associate Professor Emeritus, School of Arts and Sciences, Mathematics, Computer and Information Science
B.A., M.A., CUNY/Queens College
M.S., CUNY/City College
Ph.D., CUNY/The Graduate School & University Center

Gus Galatianos, Professor Emeritus, School of Arts and Sciences, Mathematics, Computer and Information Science
B.S., Polytechnic Institute of Greece
B.S., New York Institute of Technology
M.S., Stevens Institute of Technology
M.S., Columbia University
Ph.D., Polytechnic Institute of New York

Yasar Geyikdagi, Professor Emeritus, School of Business, Finance
M.B.A., Columbia University
M.A., McGill University
Ph.D., University of Bath

Christine Griffin, Associate Professor Emerita, School of Arts and Sciences, Visual Arts
B.F.A., College of New Rochelle
M.A., Columbia University
Chancellor's Award for Excellence in Teaching 1985-86

Joseph Harris, Associate Professor Emeritus, School of Arts and Sciences, Industrial and Labor Relations, Politics, Economics and Law
B.A., University of California, Berkeley
M.A., Ph.D., University of California, Riverside

Narayan Hegde, Professor Emeritus, School of Arts and Sciences, English
B.A., Maharaja's College, Mysore, India
M.A., University of Mysore, India
Ph.D., SUNY/Stony Brook

Selby Hickey, Associate Professor Emerita, School of Arts and Sciences, Politics, Economics and Law
B.A., Smith College
M.A., Ph.D., Boston University

Leon Hirsch, Professor Emeritus, School of Business, Marketing
B.A., Cornell University
M.B.A., D.B.A., Harvard Business School

Angela Jorge, Associate Professor Emerita, School of Arts and Sciences, Modern Languages
B.S., M.A., Ph.D., New York University

Norman O. Jung, Director of Library Emeritus
A.B., Oberlin College
A.M., University of Chicago
M.A., Indiana University

Rebecca Kalmans, Associate Professor Emerita , School of Arts and Sciences, Politics, Economics and Law
B.A., Boston University
M.S., Bank Street College of Education
M.A., Ph.D., New School for Social Research

Hermine D. Lewis, Associate Professor Emerita, School of Arts and Sciences, English
B.S., M.A., New York University
Ed.D. Hofstra University

Eloise Linger, Associate Professor Emerita, School of Arts and Sciences, Politics, Economics and Law
B.A., Federal City College
M.A., Ph.D., New School for Social Research

Jonathan Mack, Assistant Professor Emeritus, School of Arts and Sciences, Psychology
B.A., University of California, Berkeley
Ph.D., New York University

John McDermott, Professor Emeritus, School of Arts and Sciences, Industrial and Labor Relations, Politics, Economics and Law
B.A., CUNY/Brooklyn College

William E. McGowin, Professor Emeritus, School of Arts and Sciences, Visual Arts
B.S., University of Southern Mississippi
M.A., University of Alabama

Patricia McKeegan, Associate Professor Emerita, School of Arts and Sciences, Psychology
B.A., SUNY College at Old Westbury
M.A., Ph.D., Hofstra University
Chancellor's Award for Excellence in Teaching 1993-94

Marie Metlay, Associate Professor Emerita, School of Arts and Sciences, Biological Sciences
B.A., CUNY/Brooklyn College
M.A., Hofstra University
Ph.D., SUNY/Stony Brook

Kathleen Miranda, Associate Professor Emerita, School of Arts and Sciences, Mathematics, Computer and Information Science
B.A., M.A., Ed.D., St. John's University
Chancellor's Award for Excellence in Teaching 1994-95

Mirta Mulhare, Professor Emerita, School of Arts and Sciences, Biological Sciences
M.A., Ph.D., University of Pittsburgh

Bertha Perez, Associate Professor Emerita, School of Education
B.S., CUNY/City College
M.S., CUNY/Queens College
Ph.D., Teachers College/Columbia University

Albert Rabil, Jr., Distinguished Teaching Professor Emeritus, School of Arts and Sciences, History and Philosophy

B.A., Duke University
B.D., Union Theological Seminary
Ph.D., Columbia University
Chancellor's Award for Excellence in Teaching 1975-76

Naomi Rosenthal, Professor Emerita, School of Arts and Sciences, American Studies
B.A., University of Chicago
M.Sc.Econ., London School of Economics
Ph.D., SUNY/Stony Brook

Caroline Sawyer, Associate Professor Emerita, School of Arts and Sciences, History and Philosophy
B.A., Hampshire College
M.A., University of Texas at Austin
M.Phil., Ph.D., Columbia University

Elaine Scott, Lecturer Emerita, School of Arts and Sciences, American Studies
B.A., M.A., University of Pittsburgh

Gary Seidman, Assistant Professor Emeritus, School of Education
B.S., New York University
M.S., CUNY/City College
Ed.D., Hofstra University

Basilio Serrano, Professor Emeritus, School of Education, Childhood Education
B.S., M.S., CUNY/City College
Ph.D., New York University

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