

## ENVIRONMENTAL SCIENCE AND BIOLOGY

105 Lennon Hall

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*Chair and Professor:* James M. Haynes, PhD, University of Minnesota; *Distinguished Service Professor:* Joseph C. Makarewicz, PhD, Cornell University; *Professor:* Christopher J. Norment, PhD, University of Kansas; *Assistant Professors:* Mark D. Norris, PhD, University of Minnesota; Jacques Rinchar, PhD, Universitaires Notre Dame de la Paix Namur; *Instructional Support Associate:* Hilary L. Richardson; *Environmental Science Program Faculty:* Whitney J. Autin, Associate Professor of Earth Sciences, PhD, Louisiana State University; Mark R. Noll, Associate Professor of Earth Sciences, PhD, University of Delaware; Paul L. Richards, Assistant Professor of Earth Sciences, PhD, Pennsylvania State University; James A. Zollweg, Associate Professor of Earth Sciences, PhD, Cornell University; Mark P. Heitz, Associate Professor of Chemistry, PhD, SUNY Buffalo; Markus M. Hoffmann, Associate Professor of Chemistry, PhD, Washington University; *Adjunct Faculty:* David H. Kosowski (NYDEC retired); Theodore W. Lewis (Research Associate); Charles R. O'Neill (New York Sea Grant); Gary N. Neuderfer (NYDEC retired); Norma A. Polizzi (JD).

Environmental problems are among the most urgent issues facing our civilization. In order to manage Earth's environment well, we must understand the processes that shape its surface; control the chemistry of the air, water and soil; and produce and maintain the biological and other resources upon which humans depend. We must also understand the interactions of animals, plants and other living organisms with their physical and chemical environments or their ecology. Through a curriculum with a common core and a focused track, environmental science majors develop conceptual knowledge and technical skills to use the disciplines of biology, ecology, chemistry and the earth sciences to understand and solve environmental problems. Four concentrations are offered in the environmental science major: aquatic ecology/biology, terrestrial ecology/biology, environmental chemistry, and the earth sciences. After declaring a major in environmental science with the department secretary in 105 Lennon Hall, (585) 395-5975, a faculty advisor in the selected track will be assigned.

Minors in environmental science and in environmental studies are offered for non-majors. Contact the department secretary in 105 Lennon Hall, (585)395-5975, for information and for an appointment with the department Chair to set up an individual course of study.

Students majoring in environmental science can achieve New York State Teacher Certification to teach biology, chemistry or earth science. After making the decision to pursue certification, see your advisor in the Department of Environmental Science and Biology immediately.

### Major Requirements

The major requires a minimum of 62-73 credits balanced between required courses in the core curriculum (38 credits) and required, elective, or co-requisite courses in the area of concentration (24-36 credits).

### Courses (required of all majors)

Fall Semester Courses		Credits	Spring Semester Courses		
ENV 202	Environmental Science		4	ENV 202	
ENV 452	Environmental Laws and Regulations	3	ENV 204	Biology of Organisms	4
CHM 205	College Chemistry I	4	ENV 303	Ecology	4
GEL 201	Physical Geology	4	ENV 452	Environmental Laws and Regulations	3
MTH 201	Calculus I	4	ENV 492	Global Environmental Issues	3
			CHM 206	College Chemistry II	4
			CHM 303	Analytical Chemistry	4
			MTH 201	Calculus I	4

<b>Concentrations (Required or elective courses)</b>	<b>Credits</b>	<b>Corequisite</b>
Aquatic Ecology/Biology	20	4
Terrestrial Ecology/Biology	20	4
Environmental Chemistry	21	14
Earth Sciences	20	4
<b>Total Concentration Credits:</b>	<b>20-21</b>	<b>4-14</b>

#### Concentration in Aquatic Ecology/Biology

<b>Fall Semester</b>	<b>Credits</b>	<b>Spring Semester</b>	<b>Credits</b>
ENV 419 Limnology ( <i>required</i> )	3	ENV 423 Pollution Biology	3
ENV 421 Limnology Laboratory ( <i>required</i> )	2	ENV 436 Water Quality Analysis	4
ENV 319 Biological Oceanography	3	ENV 462 Aquatic Toxicology	4
ENV 437 Biostatistics	3	ENV 483 Aquatic Invertebrates	4
ENV 439 Conservation Biology	3	ENV 484 Fish Ecology	3
ENV 464 Aquaculture I	4	ENV 488 Environmental Impact Analysis (summer only)	4-6
ENV 474 Aquaculture II	4	ENV 498 Collaborative Research	1-3
ENV 476 Animal Ecophysiology	3	GEL 462 Groundwater	4
ENV 490 Fishery Techniques and Fish Identification	2	<i>Co-requisite course:</i>	
ENV 498 Collaborative Research	1-3	CHM 305 Organic Chemistry I	4
ESC 425 Wetland Systems	3		
ESC 412 Hydrology	4		

#### Concentration in Terrestrial Ecology

<b>Fall Semester</b>	<b>Credits</b>	<b>Spring Semester</b>	<b>Credits</b>
ENV 400 Plant Diversity	4	ENV 423 Pollution Biology	3
ENV 405 Plant Ecology	4	ENV 430 Ornithology	4
ENV 406 Wildlife Ecology	4	ENV 440 Herpetology	4
ENV 437 Biostatistics	3	ENV 444 Terrestrial Ecosystem Ecology	3
ENV 439 Conservation Biology	3	ENV 477 Field Biology (summer only)	4
ENV 459 Mammalogy	4	ENV 488 Environmental Impact Analysis (summer only)	4-6
ENV 476 Animal Ecophysiology	3	ENV 498 Collaborative Research	1-3
ENV 498 Collaborative Research	1-3	ESC 313 Environmental Climatology	3
ENV 325 Wetland Systems	3	ESC 431 Environmental Applications of Geographic Information Systems	3
ESC 455 Soils Science	4		

*Co-requisite course:*

CHM 305 Organic Chemistry I 4

#### Concentration in Environmental Chemistry

*Required Courses*

<b>Fall Semester</b>	<b>Credits</b>	<b>Spring Semester</b>	<b>Credits</b>
CHM 301 Chemical Safety	1	CHM 306 Organic Chemistry II	4
CHM 305 Organic Chemistry I	4	CHM 401 Chemistry Seminar	1
CHM 400 Chemistry Seminar	1	CHM 406 Physical Chemistry II	3
CHM 405 Physical Chemistry I	3	CHM 457 Geochemistry	4

## 240 Environmental Science and Biology

### *Elective courses (one required):*

ENV 436	Water Quality Analysis	4
ENV 488	Environmental Impact Analysis (summer only)	4-6
ENV 498	Collaborative Research	1-3
CHM 408	Physical Chemistry Lab I	1
CHM 409	Physical Chemistry Lab II	1

### *Corequisite courses (all required):*

MTH 202	Calculus II	3
MTH 203	Calculus III	3
PHS 201	College Physics I	4
PHS 202	College Physics II	4

## Concentration in Earth Sciences

Fall Semester		Credits	Spring Semester		Credits
ENV 419	Limnology	3	ENV 436	Water Quality Analysis	4
ENV 421	Limnology Laboratory	2	ENV 488	Environmental Impact Analysis (summer only)	4-6
ENV 498	Collaborative Research	1-3	ENV 498	Collaborative Research	1-3
ESC 325	Wetland Systems	3	ESC 313	Environmental Climatology	3
ESC 350	Computational Methods	3	ESC 314	Climate Laboratory	1
ESC 412	Hydrology	4	ESC 350	Computational Methods	3
ESC 455	Soils Science	3	ESC 418	Watershed Sciences	3
ESC 464	Environmental Internship	1-3	ESC 421	Air Pollution Meteorology	3
GEL 415	Geomorphology	4	ESC 420	Atmospheric Sensing Methods	3
			ESC 431	Environmental Applications of Geographic Information Systems	4
			GEL 457	Geochemistry	3
			GEL 462	Groundwater	3

### *Corequisite course (choose one):*

PHS 115	General Physics with lab	4
PHS 201	College Physics with lab	4
CHM 305	Organic Chemistry I	4

## Environmental Minors-Environmental Science/Environmental Studies

The environmental *science* minor (18 credits) prepares students for postgraduate education or employment in environmentally related fields. To ensure maximum breadth and depth of training, the schedule of elective courses for the minor in environmental science must be in disciplines other than the student's own major and be formally developed with the department Chair.

### *Required courses:*

	Credits
ENV 202 Environmental Science	4
ENV 303 Ecology	4
ENV 452 Environmental Laws and Regulations	3
300 and 400-level electives by advisement (7 credits minimum)*	

\*Biological sciences majors are required to take CHM 303 Analytical Chemistry as one elective course.

The environmental *studies* minor (18 credits) offers students a variety of scientific, social, economic, political, and literary perspectives on environmental issues. Gaining these perspectives will help students become environmentally literate citizens and employees.

### *Required courses:*

	Credits
ENV 202 Environmental Science	4
ENV 303 Ecology	4
ENV 452 Environmental Laws and Regulations	3

*Elective courses by advisement (7 credits minimum):*

ANT 316	Food and Culture	3
ANT 330	World Poverty and Underdevelopment	3
CHM 372	Environmental Issues	3
ENV 469	American Environmental Literature	3
ESC 364	Water Resource Issues	3
HLS 303	Environmental Health	3
GEL 362	Energy and Mineral Resources Issues	3
HST 302	History of Science and Technology in America	3
HST 407	American Environmental History	3
PLS 338	Global Issues	3
SOC 306	Development and Globalization	3

## ENVIRONMENTAL SCIENCE AND BIOLOGY COURSES

**ENV 201 Environmental Science (A,N).** Non-majors only. Environmental science is an interdisciplinary field combining ideas and information from the natural and social sciences. The eight integrated themes of lecture and discussion are biodiversity, sustainability, connections in nature, pollution and its prevention, population growth, energy consumption and efficiency, solutions to environmental problems, and the importance of individuals changing their lifestyles and working with others to bring about environmental change. *3 Cr. Every Semester.*

**ENV 202 Environmental Science (A,L).** Required for majors. Open to non-majors. Environmental Science is an interdisciplinary field combining ideas and information from the natural and social sciences. The eight integrated themes of lecture and discussion are biodiversity, sustainability, connections in nature, pollution and its prevention, population growth, energy consumption and efficiency, solutions to environmental problems, and the importance of individuals changing their lifestyles and working with others to bring about environmental change. Laboratory and field activities emphasize hands-on applications of environmental science methods, problem solving, and proper writing of laboratory reports. *4 Cr. Every Semester.*

**ENV 203 Biology of Organisms (A,N).** Non-majors only. Explores basic concepts in the biological sciences from a whole organism (animals and plants) and environmental science perspective. The unifying theme for the course is evolution, and T. H. Dobzhansky's dictum that "Nothing in biology is understandable except in the light of evolution." Topics include the scientific method, molecular and population genetics, fundamentals of cell biology, diversity of life, and evolution and natural selection. *3 Cr. Spring.*

**ENV 204 Biology of Organisms (A,L).** Required for majors. Open to non-majors. Explores basic concepts in the biological sciences from a whole organism (animals and plants) and environmental science perspective. The unifying theme for the course is evolution, and T. H. Dobzhansky's dictum that "Nothing in biology is understandable except in the light of evolution." Topics covered in lectures and laboratories include scientific method, molecular and population genetics, cell biology, diversity of life, and evolution and natural selection. *4 Cr. Spring.*

**ENV 303 Ecology (A).** *Cross-listed as BIO 303.* *Prerequisites: ENV 111 or ENV 202.* Ecology addresses interrelationships among organisms and the physical environment. Considers energy flow, nutrient cycling, population and community dynamics, principles of animal behavior, and natural history in lecture, laboratory and field studies. *4 Cr. Spring.*

**ENV 319 Biological Oceanography (A).** *Cross-listed as ESC 319.* Review of the oceans' physical, geological and chemical properties followed by study of the classification, biology and life history of marine animals and plants. Concludes with ecology of selected marine ecosystems such as intertidal, deep sea and coral reef. *3 Cr.*

**ENV 400 Plant Diversity (A).** *Prerequisite: ENV 303.* Introduction to the diversity of plants from an evolutionary perspective to taxonomic and botanical characteristics. Laboratory and field work surveys plant structures and principles of plant classifications and identification from the cellular to organismal level. Projects include plant collection and preservation, plant propagation, plant reproduction, and review and presentation of botanical literature. *4 Cr. Even Fall.*

**ENV 405 Plant Ecology (A).** *Prerequisite:* ENV 303. Introduction to the relationships between plants and the environment including physiological ecology and describing the plant environment; population ecology and interactions between plants and other organisms; and community ecology including plant diversity and temporal dynamics. Field exercises explore local plant communities using experimental and quantitative techniques. Students analyze and discuss current readings in plant ecology. 4 Cr. *Odd Fall.*

**ENV 406 Wildlife Ecology (A).** *Prerequisite:* ENV 303. Introduction to the scientific study of wildlife biology. Lecture topics include population ecology, behavior, nutrition, disease, habitat management, predator-prey systems, economics, and the human dimensions of wildlife management. Laboratories and field work include radio telemetry, census methods, aging white-tailed deer, and computer modeling. 4 Cr. *Even Fall.*

**ENV 413 Topics in Plant Biology (A).** Students with a substantial background in plant biology or ecology review recent scientific literature while addressing selected topics in plant biology, ecology or systematics. 3 Cr.

**ENV 419 Limnology (A).** *Prerequisite:* ENV 303. Introduces students to the physical, chemical and biological characteristics of lakes and streams. Topics include top-down: bottom-up control of food webs, eutrophication, nutrient cycling, acid precipitation effects on lakes, paleolimnology, etc. Recommended for students interested in oceanography and marine biology. Required for students in the aquatic ecology track of the environmental science major. ENV 421 is the complementary laboratory. 3 Cr. *Fall.*

**ENV 421 Limnology Laboratory (A).** *Prerequisite:* ENV 303. Introduces students to the laboratory and field methods of limnology. Topics include sampling and identification of selected aquatic organisms, chemical analysis of water, and operation of physical and chemical sampling gear. Includes field exercises on lakes, using department vessels, and streams. Recommended for students interested in oceanography and marine biology. Required for students in the aquatic ecology track of the environmental science major. ENV 419 is the complementary lecture course. 2 Cr. *Fall.*

**ENV 423 Biology of Pollution (A).** *Prerequisite:* ENV 303. Introduction to the chemistry and biology of pollution. Primary focus on water pollution problems and effects of pollutants on organisms at the molecular, cellular, physiological and behavioral levels, plus effects on populations, communities and ecosystems. Overview of toxicity testing techniques and data analysis. 3 Cr. *Odd Spring.*

**ENV 427 Animal Behavior (A).** *Prerequisite:* ENV 303. Introduction to the science of animal behavior. Explores the behavior of animals in relation to adaptations and phylogenetic history. Topics include methods of studying behavior, the effects of genes and environment on behavior, relationships between neural and endocrine function and behavior, foraging strategies, mating strategies and systems, and social systems. 3 Cr. *Even Fall.*

**ENV 430 Ornithology (A).** *Prerequisite:* ENV 303. Introduction to the scientific study of birds. Explores their form, function, ecology, and evolution. Topics include anatomy, physiology, origins and biophysics of flight, migration and annual cycle, mating systems, and population and community ecology of birds. Includes lab and field study of anatomy and flight, identification techniques, census methods, and trapping and banding. 4 Cr. *Even Spring.*

**ENV 436 Water Quality Analysis (A).** *Prerequisite:* CHM 206. Introduces standard methods and analytical techniques associated with environmental chemistry. Students gain experience, including set up and trouble shooting, with UV-V spectrophotometry, wet chemical techniques by autoanalyzer, fluorometry, gas chromatography and atomic absorption spectrophotometry, by analyzing unknowns. Although the medium for analysis is water, methods are applicable to air samples, tissues and soils. 4 Cr. *Spring.*

**ENV 437 Biostatistics (A).** *Prerequisite:* MTH 121 or higher. Introduction to statistical analysis including descriptive statistics, test selection (including t-tests, regression, ANOVA, and nonparametric alternatives), calculation, interpretation, hypothesis formation and testing. Consideration is given to experimental design and appropriate evaluation of statistical application and interpretation. 3 Cr. *Fall.*

**ENV 439 Conservation Biology (A).** *Prerequisite:* ENV 303. Introduction to the scientific study of conservation biology. Examines current theories and data from evolutionary biology, ecology, and genetics as they relate to the conservation of biological diversity. Topics include causes of extinction, habitat loss and fragmentation, design of nature reserves, landscape ecology, application of basic principles of population biology to species conservation, and restoration ecology. 3 Cr. *Even Fall.*

**ENV 440 Herpetology (A).** *Prerequisite:* ENV 303. Introduction to the scientific study of reptiles and amphibians. Explores their form, function, ecology, and evolution. Topics include anatomy, physiology, mating systems, population and community ecology of herpefauna, and their conservation biology. Includes lab and field study of identification

techniques and capture and census methods. 4 Cr. *Odd Spring.*

**ENV 444 Terrestrial Ecosystem Ecology (A).** Introduction to the major terrestrial ecosystems of the world and the stresses they face due to global environmental change such as rising atmospheric carbon dioxide levels, global warming, declining biodiversity, invasive species and elevated nitrogen deposition. Systems will be compared and contrasted with respect to their major characteristics, including vegetation, energy flow, and nutrient cycling and inputs. 3 Cr. *Even Spring.*

**ENV 452 Environmental Laws and Regulations (A).** Introduction to key federal and state environmental laws, how branches of government interact to enforce environmental laws and regulations, and the roles scientists and lawyers play in resolving environmental issues. 3 Cr. *Every Semester.*

**ENV 457 Marine Biology-Bahamas (A).** *Cross-listed as ESC 457. Prerequisite: One laboratory science course.* Prepare in the fall semester for a two-week January intersession field experience in coral reef biology and geology on San Salvador island in the Bahamas. Study identification, behavior, and ecology of marine organisms in five habitats associated with coral reefs. Learn how to prepare a scientific field notebook and to design, conduct, and report on a personal research project. 3 Cr. *Fall.*

**ENV 459 Mammalogy (A).** *Prerequisite: ENV 303.* Introduction to the scientific study of mammals. Explores their form, function, ecology, and evolution. Topics include origins, anatomy, physiology, diet and feeding strategies, population and community ecology, and social systems. Laboratory and field activities emphasize mammalian classification, habitat selection, and population biology. 4 Cr. *Odd Fall.*

**ENV 462 Aquatic Toxicology (A).** Students will learn to perform aquatic tests on water and sediment using standard fish and aquatic invertebrate test species. This will be accomplished through lectures, hands-on labs, data analyses, and student presentations. 4 Cr. *Even Spring.*

**ENV 464 Aquaculture I (A).** *Prerequisite: ENV 303.* Introduction to the principles and practices of intensive and extensive aquaculture. Topics include system design and operation; water quality maintenance; diet and nutrition; reproduction, selective breeding and genetics; disease identification and treatment; and the biology of cultured organisms. 4 Cr. *Odd Fall.*

**ENV 469 American Environmental Literature (A).** This interdisciplinary course explores American environmental writing from both scientific and

literary perspectives and investigates the relationship between natural science, natural history and environmental literature. Examines how subjective and objective investigations of the natural world enrich one another and lead to a more complete sense of place. Course includes lectures, discussions, group presentations and field exercises emphasizing description, measurement and aesthetic response. 3 Cr. *Odd Fall.*

**ENV 474 Aquaculture II (A).** *Prerequisite: ENV 303.* Introduction to the business aspects of aquaculture. Topics include aquaculture inputs, aquaculture production, farm management, processing, distribution, marketing, consumer behavior, pricing, government policy, modeling, international trade, transfer of technology, international cooperation, and environmental impacts. 4 Cr. *Even Fall.*

**ENV 476 Animal Ecophysiology (A).** *Prerequisite: ENV 303.* Introduction to physiological adaptations of animals to their physical environment and the influence of these adaptations on animal distributions. Topics include temperature and energy metabolism, water and ion balance, oxygen availability, sensory and reproductive adaptations. Biochemical, cellular, and organism responses to these factors will be examined using an integrative and comparative approach. 3 Cr. *Odd Fall.*

**ENV 477 Field Biology (A).** *Prerequisite: ENV 303.* Introduction to the flora and fauna of various habitats in Western New York. Topics include structure and function of communities, species identification, qualitative and quantitative assessment of communities and ecosystems, and general conservation theory and practice. 1-4 Cr. *Summer.*

**ENV 483 Aquatic Invertebrates (A).** *Prerequisite: ENV 303.* Introduction to the scientific study of aquatic invertebrates and their importance in stream and lake ecosystems. Topics include invertebrate biology and ecology, classification and identification (insects, crustaceans, mites, annelids, mollusks, etc.), use of dichotomous keys and sampling equipment, and preparation techniques. Prepares students to predict habitat or water quality conditions based on the invertebrate fauna present. 4 Cr. *Odd Spring.*

**ENV 484 Fish Ecology.** *Prerequisite: ENV 303.* Introduction to the scientific study of fish and fisheries. Topics include fish anatomy and physiology in relation to fish behavior and ecology, classification to the ordinal level, population dynamics (recruitment, growth, mortality, environment) and fishery management. ENV 490 is the complementary laboratory. 3 Cr. *Even Spring.*

**ENV 488 Environmental Impact Analysis (A).** *Prerequisite: ENV 303.* Introduction to the process

of preparing an environmental impact statement (EIS) for a realistic local development project. Topics include the National Environmental Policy Act, the NY State Environmental Quality Review Act, relevant regulations and permit requirements (federal, state, local), and analysis of environmental impacts and alternatives. Depending on the number of credits and session offered, may include field work. *4-6 Cr. Summer*

**ENV 490 Fishery Techniques and Fish Identification (A).** *Prerequisite: ENV 303.* Introduction to laboratory and field techniques used by fisheries scientists. Hands-on activities include fish collection methods (electrofishing, nets) fish anatomy, fish identification, and quantitative analysis of fisheries data. ENV 484 is the complementary lecture course. *2 Cr. Fall.*

**ENV 492 Global Environmental Issues (A).** This capstone course for senior environmental science majors will explore one or more major global environmental issues during the semester. Students will research the topic, analyze primary literature, engage in class discussion and formal speaking, and write a paper critically evaluating the issue and what should be done about it. *3 Cr. Spring.*

**ENV 495 Topics in Environmental Science (A).** Introduces a special field of study in the environmental sciences not offered in the regular curriculum. Details reflect student demand, needs, topics of interest, and instructor availability. *3-4 Cr. By Arrangement.*

**ENV 498 Collaborative Research (A).** In collaboration with a faculty mentor, the student designs, conducts and prepares a scientific report on a research project in the field or laboratory. A total of three credits from ENV 498 and ENV 499 (Independent Study) combined can be applied toward the Environmental Science major. *1-3 Cr. By Arrangement.*

**ENV 499 Independent Study (A).** In collaboration with a faculty mentor, the student reviews literature and prepares a report on a topic of interest in the environmental sciences. A total of three credits from ENV 499 and ENV 498 (Collaborative Research) combined can be applied toward the Environmental Science major. *1-3 Cr. By Arrangement.*

## FILM STUDIES—INTERDISCIPLINARY MINOR

The film studies program is an interdisciplinary minor designed to aid students in developing a broad understanding of the history of film, an awareness of film language used by filmmakers, and a critical viewing ability. The faculty for the program have been drawn from the Departments of Anthropology, Art and Art History, Communication, English and History; they bring a variety of experience and perspectives to the study of film.

Students interested in the film studies program should contact The Department of Film Studies, Dr. Rashna Richards, 201B Hartwell Hall, (585) 395-5830, or at [rrichard@brockport.edu](mailto:rrichard@brockport.edu).

The film studies minor requires the completion of 16-18 credits as follows:

Courses	Credits
ENL 200      Art of the Film	3
FLM 301      Theory and Criticism of Film	3
FLM 302      Documentary and Experimental Film	3
One course under the category Film and Society, by advisement	3
Additional Film Studies courses, by advisement	6
<b>Total:</b>	<b>18</b>

\*NOTE: Student may substitute courses in video or film production (e.g. ART 415, CMC 348) for the documentary requirement. See the film studies advisor for approval.

### FILM STUDIES COURSES

**FLM 301 Theory and Criticism of Film (A,D,W).** Introduces and develops a specialized set of advanced critical tools used to evaluate, explicate, and interrogate filmic texts. *3 Cr.*

**FLM 302 Documentary and Experimental Film (A).** Provides an introduction to documentary and experimental films. Explores the nature of documentary and experimental films as creative scientific works; as statements by individuals living within particular cultural frameworks; as instruments of persuasion and propaganda; and as devices which expand our perspectives on the world around us. *3 Cr.*

**FLM 404 Documentary Video Production (A).** Provides an introduction to video production, emphasizing the pre-production process: selection of EFP equipment; developing a framework for documentary production, including appropriate references; and preparing to interview experts. Entails some discussion of computer shot logs,

time coding, video-to-audio transfers for transcriptions, and the preparation of narrative. Requires no production experience and includes no editing. *3 Cr.*

**FLM 490 Topics in Film (A).** Addresses current topics, issues, controversies, etc. in film studies. Specific topics vary each semester. Descriptions of specific topics offered may be obtained from the director of film studies. May be taken more than once for credit if the topics differ. *3 Cr.*

**FLM 491 Seminar in Film (A).** To be defined by the instructor in accordance with the specific subject matter covered that semester. Content varies with the appropriate subtitles provided. Example: "The Coen Brothers." *3 Cr.*

## DEPARTMENT OF FOREIGN LANGUAGES AND LITERATURES

[www.brockport.edu/~forelang/index.html](http://www.brockport.edu/~forelang/index.html)

103 Tower Fine Arts Building

(585) 395-2269

*Chair and Professor:* Patricia J. Siegel, PhD, Yale University; *Professors:* Joseph Siracusa, PhD, University of Illinois-Urbana; *Associate Professors:* Andrea Parada, PhD, University of Michigan; Graziella Rondon-Pari, PhD, University of Buffalo; Donna Wilkerson, PhD, University of North Carolina at Chapel Hill; *Assistant Professor:* Esther Marion, PhD, Princeton University.

### Major in French

### Major in Spanish

### Foreign Languages and Literatures Courses

As the nations of the world become more interdependent, knowledge of the world's languages and understanding of world cultures become more significant for effective global communication and peaceful coexistence. Language study prepares today's students for tomorrow's opportunities by supporting interdisciplinary instruction and developing cross-cultural understanding.

### Careers

Foreign language majors enter the teaching field and many other professions. A second major or a minor in a foreign language is highly valued in other academic disciplines and in professional careers. All levels of business and government need people trained in foreign languages and accustomed to dealing with matters from a global perspective. In addition, the study of foreign languages contributes substantially to valuable skills necessary for today's job market, such as improved analytical abilities, creativity, cross-cultural business negotiations, communication skills, and problem solving.

### Majors and Minors

Students may major or minor in French or Spanish, double major in the two languages, or major in one of the languages and another field. We strongly recommend that students seeking certification to teach French study Spanish as well, and that those candidates preparing for certification in Spanish also study French. Please note that credit granted by CLEP, AP, or other external exams do not count toward the major or minor.

Courses in American Sign Language, Italian, Japanese and Russian are also offered as well as culture courses taught in English (FCE).\*

Culture courses taught in English (FCE) may satisfy a General Education requirement.

### Required Course Grades

Students intending to major or minor in any of the department's programs must have a 2.5 GPA in language courses previously taken at the college level. All courses in the major or minor must be completed with a grade of "C" or higher. Courses with grades lower than "C" must be repeated.

There is a foreign language requirement for a bachelor of arts degree (BA), a major in international studies, a major in International business and teacher certification. Please consult the appropriate departmental Web pages for the respective department's requirement.

### General Education Foreign Language Requirement

Beginning in fall 2006, all students are required to have successfully completed the 112 level of a foreign language, *Beginning II*, before graduating. Students can waive the 111 level, *Beginning I*, with a score of **85 percent** or higher on the third year foreign language Regents exam. In this case, students must complete the 112 course to fulfill the requirement.

Students may satisfy the requirement in one of the following ways:

#### Credit:

- Successful completion of two semesters of a foreign language course at Brockport.
- Successful completion of a course numbered **112 or higher** (e.g., *SPN 112, Beginning Spanish II*)

- Successful completion of 6 credits in a college-level program of study abroad of at least five weeks duration in which the language of instruction is other than English.

**Waiver:**

- Placement at the third semester level or above on the SUNY Brockport Foreign Languages departmental placement exam. (Placement exams are offered in Spanish, French, Latin, Italian and German). All students are encouraged to take the test to determine their level and to enhance advisement.
- A score of **3** or higher on the foreign language Advanced Placement (AP) exam\*
- A 50 percent or better score on a foreign language CLEP exam\*
- Students for whom English is a second language need to document their study of a language other than English by bringing a copy of a diploma or certificate (proving they have studied in that language) to the chair of the Department of Foreign Languages and Literatures.

**Transfer credit:**

- Transfer credit at appropriate level from college-level language study.

*\*Credit by Examination*

College credit and/or waivers of certain foreign language courses may be obtained by satisfactory scores on CLEP, Regents College Examinations, Advanced Placement Foreign Language Examinations of the College Board Examinations, and other examinations accepted by SUNY Brockport. The CLEP must be taken before taking 300- and 400-level courses.

**Placement Testing**

To continue with the language studied in high school, you **must** take the SUNY Brockport placement exam. The Department of Foreign Languages and Literatures administers placement tests during summer orientation sessions and on a regular basis throughout the academic year, beginning the first week of classes. Please consult the department's Web home page for the test schedule: [www.brockport.edu/~forelang/requirement.html](http://www.brockport.edu/~forelang/requirement.html). Click on Current Test Dates. To register for a placement exam that takes place during the academic year and/or to ask other questions, contact Ms. Raquel Zvinones, department secretary at 395-2269.

If you wish to take a language *in which you have no prior study*, you may register for a Beginning I section of that language. SUNY Brockport offers courses in the following languages:

American Sign Language	Japanese
French	Russian
Italian	Spanish

Please note: students who meet any part of the language requirement for General Education through Regents, AP, CLEP, or transfer credit may NOT enroll in and receive credit for the 111 level language course for which they received a waiver. That level is considered to have been fulfilled. Students may audit the 111 course with the permission of the instructor if necessary.

For language courses at or beyond the 112 level, students who would like to continue study of the language they took in high school are strongly encouraged to take the placement test. However, the following guidelines may also be used for placement in language courses:

Course 112 is open to students with 2-3 years of high school language.

Course 211 is open to students with 3-4 years of high school language.

Course 212 is open to students with 4 years of high school language.

For more information related to foreign language requirements, waiver procedures, and current test schedules, consult the departmental Web home page at [www.brockport.edu/~forelang/index.html](http://www.brockport.edu/~forelang/index.html).

**Language Media Center**

A state-of-the-art language media center is housed in Room 110, Tower Fine Arts Building. It offers faculty and students opportunities for technology-assisted learning and is equipped for use with a variety of instructional software.

**Teacher Certification Program**

Students interested in the teacher certification program should consult the Department of Education and Human Development's Web site for an application and program requirements. Please note that all French/Spanish transfer and SUNY Brockport students seeking certification in French or Spanish must pass a content area examination given by the New York State Department of Education. In addition, any transfer student wishing to complete teacher certification in French or Spanish who has not completed the French or Spanish major at Brockport, must complete at least one 400-level French or Spanish course at Brockport.

**Departmental Awards**

Each year, the department awards the Jorge Marti Prize to an outstanding student in Spanish, and the Eric Steel Prize to an outstanding student in French. In addition, the Departmental Scholar is selected from among seniors who expect to be graduated in May, August or December of the corresponding year. Candidates are selected on the basis of the cumulative grade point average, the grade point average in the foreign language major, and contributions to the department and the College.

**MAJOR IN FRENCH — 30 Credits**

The major in French is intended to provide a working command of the language in addition to an overview of literature and cultures.

<b>A. Core/Required Courses</b>		<b>Credits</b>
FRN 350	Advanced Grammar and Conversation	3
FRN 351	Written Expression	3
FRN 352	French Culture	3
FRN 355	France under the Fifth Republic	3
FRN 453	French Women Writers	3
FRN 454	French Literature I	3
FRN 456	Literatures and Cultures of the Francophone World	3
FRN 458	French Literature II	3
	<b>Total:</b>	<b>24</b>
<b>B. Elective Courses — 6 Credits (any two)</b>		
FRN 450	French Studies	3
FRN 451	Doing Business in French	3
FRN 453	French Thought in Social Context	3
FRN 499	Independent Study in French	3
	<b>Total credits for French major:</b>	<b>30</b>

**NOTE:** Students whose proficiency in French is beyond that expected of those who complete FRN 350 and/or 352 may take these courses as credit by exam.

**MINOR IN FRENCH — 18 credits**

<b>A. Core/Required Courses</b>		<b>Credits</b>
FRN 350	Grammar Review and Conversation	3
FRN 351	Written Expression	3
FRN 352	French Culture	3
FRN 355	France under the Fifth Republic	3
	<b>Total:</b>	<b>12</b>

<b>B. Elective Courses* — 6 credits</b>	<b>6</b>
At least 3 credits must be at the 400 level	
<b>Total:</b>	<b>18</b>

\*See elective courses in French identified under the major.

### MAJOR IN SPANISH

The major in Spanish is intended to provide a working command of the language in addition to an overview of literature and cultures.

#### TRACK ONE: Language, Literature and Civilization — 30 Credits

A. Core/Required Courses	Credits
SPN 350      Communication in Spanish	3
SPN 351      Composition and Grammar Review	3
SPN 352      Hispanic World Today	3
SPN 353      Literature and Cultures of Spain I	3
SPN 354      Literature and Cultures of Spanish America I	3
SPN 363      Literature and Cultures of Spain II	3
SPN 364      Literature and Cultures of Spanish-America II	3
SPN 461      Advanced Spanish Grammar	3
<b>Total:</b>	<b>24</b>
<b>C. Electives: 6 credits (any two courses)</b>	
SPN 452      Hispanic Cultures Through Film	3
SPN 453      Spanish-American Women Writers	3
SPN 454      Hispanic Literature and Cultures in the US	3
SPN 456      Literature and Culture of the Caribbean	3
SPN 457      Contemporary Spanish Writers	3
SPN 458      Contemporary Spanish-American Writers	3
SPN 460      Phonetics	
SPN 462      Spanish Language Variations in the USA	3
SPN 463      Linguistics and Second Language Acquisition	3
SPN 499      Independent Study in Spanish	3
<b>Total credits for TRACK ONE of the Spanish major:</b>	<b>30</b>

**NOTE:** Students whose proficiency in Spanish is beyond that expected of those who complete SPN 350 and/or SPN 352, may take these courses as credit by exam.

#### TRACK TWO: Interdisciplinary Major in Bilingual-Multicultural Studies

For students seeking a bilingual-multicultural education extension certificate — 36 credits

A. Core/Required Courses	Credits
1. Language proficiency (9 credits)	
SPN 350      Communication in Spanish	3
SPN 351      Composition and Grammar Review	3
SPN 352      Hispanic World Today	3
2. Language theory and practice (18 credits)	
SPN 460      Spanish Phonetics	3
SPN 461      Advanced Spanish Grammar	3
SPN 462      Spanish Language Variations in the US	3

250 Foreign Languages and Literatures

EDI 421	The Bilingual Child	3
EDI 422	TESOL: Materials and Techniques	3
ENL 451	Linguistics	3
	<b>OR</b>	
ENL 455	Sociolinguistics	
	<b>OR</b>	
SPN 463	Linguistics and Language Acquisition	

3. Literature and Cultures (3 credits)		
One 300/400-level course in literature, culture or civilization of Spain or Spanish America		3

4. Multicultural awareness (6 credits)		
FCE 420	Multiculturalism in the USA	3
FCE 426	Foundations of Bilingual Education	3

B. Elective courses* (3 credits)		3
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**Total: 36**

**Examples of elective courses for TRACK TWO:**

FCE 375	Latin-American Women
HST 376	Modern Latin America
SPN 353	Literature and Cultures of Spain I
SPN 354	Literature and Cultures of Spanish-America I
SPN 363	Literature and Cultures of Spain II
SPN 364	Literature and Cultures of Spanish-America II
SPN 452	Hispanic Cultures Through Film
SPN 453	Spanish-American Women Writers
SPN 454	Hispanic Literature and Cultures in the US
SPN 456	Literature and Culture of the Caribbean
SPN 457	Contemporary Spanish Writers
SPN 458	Contemporary Spanish-American Writers
SPN 499	Independent Study in Spanish

**NOTE:** Students whose proficiency in Spanish is beyond that expected of those who complete SPN 350 and/or SPN 352 may take these courses as credit by exam.

**MINOR IN SPANISH — 18 credits**

<b>A. Core/Required Courses</b>		<b>Credits</b>
SPN 350	Communication in Spanish	3
SPN 351	Composition and Grammar Review	3
SPN 352	Hispanic World Today	3
<b>Total :</b>		<b>9</b>

**B. Elective Courses — 9 credits. Three credits must be at the 400-level.**

Please see elective courses in Spanish identified under the major, TRACK ONE.

**FOREIGN LANGUAGES AND LITERATURES  
COURSES**

**FRENCH COURSES**

**FRN 111 Beginning French I (A).** *Prerequisite:* *Placement Test or departmental approval.* Introductory course develops language skills in French including listening, speaking, reading and writing, as well as an understanding and appreciation of French-speaking countries of the world. Includes oral comprehension drills, pronunciation exercises, sentence formation, vocabulary, verbs, and simple readings on French/Francophone cultures. Includes audio/video work. *3 Cr. Every Semester*

**FRN 112 Beginning French II (A).** *Prerequisite:* *FRN 111 or equivalent.* Furthers development of language skills including listening, speaking, reading and writing, as well as an understanding and appreciation of French-speaking countries of the world. Includes regular and irregular verbs, vocabulary building, more complex sentences and more complex readings on French/Francophone cultures. Includes audio/video work. *3 Cr. Every Semester*

**FRN 211 Intermediate French I (A).** *Prerequisite:* *FRN 112 or equivalent.* Further develops listening, speaking, reading and writing skills, as well as an understanding and appreciation of French-speaking countries of the world. Includes regular and irregular verbs in all tenses, advanced vocabulary and sentence formation, and more sophisticated reading on French/Francophone cultures. Explanations in French are followed by extensive group and individual practice. Includes audio/video work. *3 Cr. Every Semester*

**FRN 212 Intermediate French II (A).** *Prerequisite:* *FRN 211 or equivalent.* Further develops listening, speaking, reading and writing skills as well as an understanding and appreciation of the French-speaking countries of the world. Extensive group and individual practice. Includes audio/video work. *3 Cr. Every Semester*

**FRN 350 Advanced Grammar and Conversation (A).** *Prerequisite:* *FRN 212.* Intermediate conversation course designed to increase and refine students' ability to express themselves in French in a variety of communicative situations. Emphasis on discourse strategies, range of expression, and vocabulary acquisition. A review of advanced French grammar will expand knowledge of idioms and improve accuracy. *3 Cr. Fall*

**FRN 351 Written Expression (A).** *Prerequisite:* *FRN 212.* Teaches upper division students to write clear expository French with correct syntax, clear

organization, and with some degree of sophistication in the use of French vocabulary. Numerous compositions will be written covering a variety of modes and using a process approach. A review of advanced French grammar facilitates accuracy and range of expression. *3 Cr. Spring*

**FRN 352 French Culture (A).** *Prerequisite:* *FRN 212.* From prehistoric times through the Revolution, students explore artistic, social, political and cultural events which have produced a rich and varied French culture. Requires reading of literary and historical texts and use of audiovisual materials. *3 Cr. Fall*

**FRN 355 France Under the Fifth Republic (A).** *Prerequisite:* *FRN 212.* Designed to give an overview of social, political, educational, cultural and economic phenomena in modern-day France in an attempt to explain what motivates a French person. Topics to be discussed include family structure, government, religion, the educational system, how the French interact with their Francophone partners, the European Union, and the role of the media. French mores and attitudes will be studied and compared to American ways of life. *3 Cr. Spring*

**FRN 450 French Studies (A).** *Prerequisites:* *FRN 350, FRN 351 and FRN 352.* Closely studies a specific topic in French/Francophone language, culture, or literature. The topic selected for analysis may be from a historical or contemporary perspective and gives the opportunity to examine a particular aspect of French/Francophone studies in great depth. Requires practice in oral and written French at the advanced level. *3 Cr. Offered Occasionally*

**FRN 451 Doing Business in French (A).** *Prerequisites:* *FRN 350, FRN 351 and FRN 352.* Helps students communicate in a French business environment by increasing their knowledge of French geography and economics by helping them acquire the vocabulary and syntactical structures related to business, and by making students more aware of cultural differences in the conduct of business between the US and France. Emphasis is on the reinforcement of oral and written skills. *3 Cr.*

**FRN 453 French Women Writers (A,W).** *Prerequisites:* *FRN 350, FRN 351 and FRN 352.* Through an exploration of both theoretical and literary texts written by women, introduces students to a range of leading contemporary French and/or Francophone women writers. Students

will examine recurrent themes and forms in recent women's writing, including the representation of identity; the concept of origins; the intersection of class, race and gender; and the textual strategies underpinning these considerations. Through a detailed examination of a cross-section of works by French women writers, assesses the contribution made by French women's writing to current theoretical debates and to contemporary writing generally. 3 Cr.

**FRN 454 French Literature I: Texts and Context (A).** *Prerequisites:* FRN 350, FRN 351 and FRN 352. Examines texts by major authors from the Middle Ages to the Revolution. Emphasis is on an in-depth reading of texts, including prose, poetry and theatre, with the purpose of expanding vocabulary and improving writing skills. French history will provide the backdrop to help students understand the social forces at play in the periods under study. 3 Cr.

**FRN 456 Literature and Cultures of the Francophone World (A).** *Prerequisites:* FRN 350, FRN 351 and FRN 352. An array of short stories, poems, novels, or plays written by authors from Africa, North America, or the Caribbean. Papers and discussions focus on cultural themes and issues related to the political and literary history of the Francophone world. 3 Cr.

**FRN 457 French Thought in Social Contexts (A).** *Prerequisites:* FRN 350, FRN 351 and FRN 352. A collage of literature, philosophy and history gives students a broad perspective of the major intellectual currents in their social context. Readings will be selected from early periods to the 19th century. 3 Cr.

**FRN 458 French Literature II: Texts and Contexts (A).** *Prerequisites:* FRN 350, FRN 351 and FRN 352. Examines texts by major authors from the Napoleonic era to the recent past. Emphasis is on an in-depth reading of the texts, including prose, poetry and theatre, with the purpose of expanding vocabulary and improving writing skills. Also acquaints students with the social circumstances that determined the aesthetic movements that marked the period: romanticism, realism, symbolism, surrealism and existentialism. 3 Cr.

**FRN 499 Independent Study in French (A).** *Prerequisites:* Six credits of 400-level French with a minimum of 3.0 GPA in French and instructor's permission. Arranged in consultation with the instructor-sponsor in accordance with the procedures of the Office of Academic Advisement prior to registration. 3 Cr. Every Semester

## SPANISH COURSES

**SPN 111 Beginning Spanish I (A).** *Prerequisite:* Placement test or departmental approval. Develops language skills in Spanish, including listening, speaking, reading and writing, as well as an understanding and appreciation of Hispanic cultures. Includes oral comprehension practice, pronunciation exercises, sentence formation, vocabulary, verbs and simple readings on Hispanic cultures. Provides succinct explanations in English, followed by group and individual practice in Spanish. Includes audio/video work. 3 Cr. Every Semester

**SPN 112 Beginning Spanish II (A).** *Prerequisites:* SPN 111 or equivalent. Further develops language skills of listening, speaking, reading and writing, as well as the understanding and appreciation of Hispanic cultures. Includes regular and irregular verbs, vocabulary building, more complex sentences, and more varied readings on Hispanic cultures. Provides succinct explanations in English, followed by group and individual practice in Spanish. Includes audio/video work. 3 Cr. Every Semester

**SPN 211 Intermediate Spanish I (A).** *Prerequisite:* SPN 112 or equivalent. Further develops listening, speaking, reading and writing skills as well as an understanding and appreciation of Hispanic cultures. Includes regular and irregular verbs in all tenses, advanced vocabulary, sentence formation, and more sophisticated reading on Hispanic cultures. Provides explanations in Spanish or English, followed by extensive group and individual practice. Includes audio/video work. 3 Cr. Every Semester

**SPN 212 Intermediate Spanish II (A).** *Prerequisite:* SPN 211 or equivalent. Further develops listening, speaking, reading and writing skills, as well as an understanding and appreciation of Hispanic cultures of the world. Requires extensive group and individual practice and includes audio/video work. 3 Cr. Every Semester

**SPN 300 Doing Business in Spanish (A).** *Prerequisite:* SPN 212 or equivalent. An advanced foreign language course designed for business majors. Its contemporary and practical approach gives the business learner a global perspective on language and culture. Focuses primarily on the acquisition of business terminology used in Latin America and its application in every day corporate life in corporate and non-profit enterprises. 3 Cr.

**SPN 350 Communication in Spanish (A).** *Prerequisite:* SPN 212 or equivalent. Drawing on a selection of multimedia, this bridge course reinforces students' oral and written language skills in order to prepare them for advanced-level work. Weekly reading, writing, listening and oral assignments on a variety of topics improve fluency and build a more extensive vocabulary. Requires active participation in class discussions. 3 Cr. Every Semester

**SPN 351 Composition and Grammar Review (A).** *Prerequisite:* SPN 350 or equivalent. Provides active discussion on a variety of topics or researched themes intended to help students achieve advanced communication skills in Spanish. Videos, current events, a literary reader, and newspaper and magazine articles are used for oral and written practice. Weekly compositions as well as oral presentations and a research paper are required. 3 Cr.

**SPN 352 Hispanic World Today (A,C).** *Prerequisite:* SPN 212. Provides an introduction to the study of language, literature, culture and civilization, drawing on selected materials and topics from the contemporary Hispanic world. Structured as a bridge course to advanced-level work, this course provides refinement of language skills, and the acquisition of specific content knowledge. 3 Cr.

**SPN 353 Literature and Cultures of Spain I (A).** *Prerequisites:* Any two of SPN 350, SPN 351 and SPN 352. Provides a historical survey of the political, social, economic, religious and artistic life in Spain from pre-Roman times through the 17th century. Includes the study of the main literary genres of the period and covers elementary concepts of literary theory and analysis. Emphasizes the study of figurative and symbolic language. Requires active class participation. 3 Cr. Fall

**SPN 354 Literature and Cultures of Spanish America I (A,C).** *Prerequisites:* Any two of SPN 350, SPN 351 and SPN 352. Provides an historical survey of the political, social, economic, religious, and artistic life in Spanish America from the pre-Columbian times through the 19th century. Also provides students with an understanding of the various forces and events that have shaped life and culture in the Spanish-speaking territories of America. Studies the main literary genres of the period and covers elementary concepts of literary theory and analysis. Emphasizes the study of figurative and symbolic language. Requires active class participation. 3 Cr.

**SPN 363 Literature and Cultures of Spain II (A).** *Prerequisites:* Any two of SPN 350, SPN 351 and SPN 352. Provides a historical survey of the political, social, economic, religious, literary and artistic life in Spain from the 18th century to the present. Studies the main literary genres of the period and covers concepts of literary theory and analysis. Emphasizes the study of figurative and symbolic language. Requires active class participation. 3 Cr. Spring

**SPN 364 Literature and Cultures of Spanish America II (A).** *Prerequisites:* Any two of SPN 350, SPN 351 and SPN 352. Provides an historical survey of the political, social, economic, religious and artistic life in Spanish-America from the 20th century to current times. Also provides students with an understanding of the various forces and events that have shaped life and culture in the Spanish speaking territories of America. Studies the main literary genres of the period and covers concepts of literary theory and analysis. Emphasizes the study of figurative and symbolic language. Requires active class participation. 3 Cr. Spring.

**SPN 452 Hispanic Cultures Through Film (A).** *Prerequisites:* SPN 353 and SPN 354. Studies Spanish and Spanish-American cultures through the analysis of films concerning the Spanish-speaking world. Gives special attention to the political domain and the ways in which it affects people's lives, to the evolving role of women in a changing society, and to the influence of indigenous cultures. Requires active class discussion and advanced skills in written and oral Spanish. 3 Cr.

**SPN 453 Spanish-American Women Writers (A,C,D,W).** *Prerequisite:* SPN 353 or SPN 354. Following a chronological perspective, studies the writings of some of the most important women writers of Spanish America. These works illustrate the evolution of a form of writing that seeks to oppose stereotypes imposed by a male literary tradition. The selected authors represent different literary movements and reflect on a variety of national problems. They also provide the framework for the analysis of cultural images of gender and relevant theoretical concepts related to female writing. After a brief introduction of the cultural conditions that define the emergence of female writing 17th, 18th and 19th centuries, emphasis will be given to the second half of the 20th century and to the social and political context relevant to each text. 3 Cr.

**SPN 456 Literature and Culture of the Caribbean (A,C).** *Prerequisite:* SPN 353 or SPN 354. Covers some of the literary contributions made by outstanding authors of the Spanish-speaking Caribbean: Cuba, the Dominican Republic and

Puerto Rico. Includes culturally unique aspects of the region. Gives special emphasis to African heritage and women in society. 3 Cr.

**SPN 457 Contemporary Spanish Writers (A).** *Prerequisite:* SPN 353 or SPN 354. Studies 20th-century Spanish literature: e.g., essays, short stories, novels, poetry and plays. Presents the historical and literary contexts in which the selected works emerge and discusses the relationship between the writers and their cultural environment. Designed to also develop analytical perspectives in literary criticism and to strengthen reading and writing skills in Spanish. 3 Cr.

**SPN 458 Contemporary Spanish-American Writers (A).** *Prerequisite:* SPN 353 or SPN 354. Studies 20th-century Spanish-American literature; e.g., essays, short stories, novels, poetry and plays. Presents the historical and literary contexts in which the selected works emerge and discusses the relationship between the writers and their cultural environment. Also develops analytical perspectives in literary criticism and strengthens reading and writing in Spanish. 3 Cr.

**SPN 460 Spanish Phonetics (A).** Provides a description and analysis of the sound system of modern Spanish based on structural phonemic theory. Also provides intensive practice designed to improve pronunciation of the Spanish language. Gives special attention to analysis and correction of interference from English. 3 Cr. *Fall*

**SPN 461 Advanced Spanish Grammar (A).** Covers grammatical structures of Spanish and includes a study of Spanish morphology, syntax and lexicon. Gives special attention to analysis and correction of interference from English. Conducts discussions of specific structures in Spanish, followed by oral and written exercises, including translations. 3 Cr. *Spring*

**SPN 462 Spanish Language Variations in the US (A).** *Prerequisite:* SPN 351. Studies the varieties of Spanish spoken in the US by Puerto Ricans, Dominicans, Cubans, Chicanos, etc. Provides an understanding of cultural, social, linguistic, and historical factors that determine language variations. Provides practice in the varieties of Spanish spoken in the US. 3 Cr. *Spring*

**SPN 463 Linguistics and Second Language Acquisition (A).** *Prerequisite:* SPN 351. Offers a contrastive analysis of the language components of English and Spanish; phonetics and phonology, morphology, syntax, lexicon and semantics. Examines sociolinguistic and psycholinguistic perspectives related to the role of language in culture, identity and learning. Explores languages acquisi-

tion theories and their application to bilingualism and the teaching of English to speakers of other languages. 3 Cr.

**SPN 499 Independent Study in Spanish (A).** *Prerequisite:* SPN 351. Arranged in consultation with the instructor-sponsor and in accordance with the procedures of the Office of Academic Advisement prior to registration. 3 Cr. *Every Semester*

#### FOREIGN CULTURES IN ENGLISH

**FCE 201 The French Speaking World (A,D,H,W).** An examination of the concept of the Francophone community. Course explores theoretical texts and Francophone novels from Africa, the Caribbean and North America to develop an understanding of the political and literary history of the Francophone world. 3 Cr.

**FCE 375 Latin American Women (A,C,I,W).** *Cross-listed WMS 375.* Analyzes women's roles within the societies of the Caribbean and Latin America. Develops an understanding of the double standards imposed on men and women. Studies the impact of socialization and the development of a critical consciousness. 3 Cr.

**FCE 399 Independent Study on Foreign Culture (A).** Independent study conducted in English on one aspect of a foreign culture whose language is taught in the Department of Foreign Languages and Literatures. 3 Cr. *Every Semester*

**FCE 420 Multiculturalism in the United States (A,I).** Studies how race, social class and ethnicity have influenced cultural interrelations of different minority groups within US society. Analyzes the main theories of the subject such as assimilation, amalgamation and cultural pluralism. Points out how social acceptance, economic possibilities, and political rights are related to those cultural aspects included in the aforementioned concepts. 3 Cr. *Spring*

**FCE 426 Foundations of Bilingual Education (A).** Studies basic bilingual-multicultural topics and how they are related to all multilingual-multicultural societies, whether in the US or elsewhere. Analyzes how such issues affect the conceptualization of national and international policies, political and social institutions, legal organizations, philosophical ideas, and moral and religious concerns. 3 Cr. *Fall*

**FCE 450 From Fascism to Freedom: A Social History of Love's Troubled Marriage in Post-war France, Germany, Italy and Spain. (A,D,I).** Examines the representation of love, gender and

marriage in major European fiction films as a documentary lens for understanding the shifts in historical, social and political construction of the public and private spheres in post World War II France, Germany, Italy and Spain. 3 Cr.

**FCE 499 Independent Study on Foreign Culture (A).** Independent study conducted in English on some aspect of a foreign culture whose language is taught in the Department of Foreign Languages and Literatures. 1-3 Cr. *Every Semester*

## OTHER LANGUAGES

### AMERICAN SIGN LANGUAGE

**ASL 111 Beginning American Sign Language I (A).** Designed to develop language skills in American Sign Language including receptive, expressive, interactive, and fosters understanding and appreciation of deaf culture. Content includes expressive skills, fingerspelling exercises, sentence formation, vocabulary, verbs, and readings on deaf culture. Explanations in English are followed by individual and pair practice in ASL. Video work is required. 3 Cr. *Fall*

**ASL 112 Beginning American Sign Language II (A).** *Prerequisite:* ASL 111. Designed to develop language skills in American Sign Language, receptive, expressive, interactive, and foster understanding and appreciation of deaf culture. Content includes expressive skills, fingerspelling exercises, sentence formation, vocabulary, verbs, and readings on deaf culture. Explanations in English are followed by individual and pair practice in ASL. Video work is required. 3 Cr. *Spring*

**ASL 211 Intermediate Sign Language I (A).** *Prerequisite:* ASL 112 or equivalent. Emphasizes and expands on grammar, syntax, spatial referencing, classifiers, and vocabulary development. Develops communicative competencies in ASL conversations beyond the basic level. Fluency and accuracy of fingerspelling will be developed, as well as the use of lexicalized signs. 3 Cr. *Every Fall*

**ASL 212 Intermediate American Sign Language II (A).** *Prerequisite:* ASL 211 or equivalent. Continues to advance ASL grammar and vocabulary. Sentence constructions will be reviewed and expanded, and classifiers as well as nonmanual behaviors will be developed. Advances fluency in fingerspelling, lexicalized signs and numbering. The use of space in basic ASL discourse will be expanded. 3 Cr. *Every Spring*

### ITALIAN COURSES

**ITA 111 Beginning Italian I (A).** Develops language skills in Italian including listening, speaking, reading and writing, as well as an understanding and appreciation of Italian culture. Includes oral comprehension drills, pronunciation exercises, sentence formation, vocabulary, verbs, and simple readings on Italian culture. Provides succinct explanations in English, followed by group and individual practice in Italian. Includes audio/video work. 3 Cr. *Fall*

**ITA 112 Beginning Italian II (A).** *Prerequisite:* ITA 111 or equivalent. Further develops language skills including listening, speaking, reading and writing, as well as the understanding and appreciation of Italian culture. Includes regular and irregular verbs, vocabulary building, more complex sentences, and more varied readings on Italian culture. Provides succinct explanations in English, followed by group and individual practice in Italian. Includes audio/video work. 3 Cr. *Spring*

**ITA 399 Independent Study in Italian (A).** *Prerequisite:* ITA 212 and considerable study of literature and instructor's permission. Arranged in consultation with the instructor/sponsor and in accordance with the procedures of the Office of Academic Advisement prior to registration 3 Cr. *Every Semester*

### JAPANESE COURSES

**JPN 111 Beginning Japanese I (A).** Introductory course in Japanese designed to develop language skills in Japanese including listening, speaking, reading and writing, as well as an understanding and appreciation of Japanese culture. Content includes oral comprehension drills, pronunciation exercises, sentence formation, vocabulary, verbs, and simple readings on Japanese culture. Succinct explanations in English are followed by group and individual practice in Japanese. 3 Cr. *Fall*

**JPN 112 Beginning Japanese II (A).** *Prerequisite:* JPN 111. Designed to further the development of language skills in modern Japanese as well as the understanding and appreciation of Japanese culture. Emphasis is on communication. 3 Cr. *Spring*

**JPN 211 Intermediate Japanese I (A).** *Prerequisite:* JPN 112. This course introduces more complex grammatical structures and new vocabulary. The activities focus more on grammatical exercises in order to help students to develop more expressive language ability. Dialogue practices will be held in class and Japanese culture, customs, his-

tory, social practices will be discussed as related to each topic. Considerable work outside of class is required to maintain continued progress. 3 Cr. Fall

**JPN 212 Intermediate Japanese II (A).** *Prerequisite:* MPN 211. Emphasizes the development of longer and more complex conversations in various situations. Students will continue to use and practice *hiragana, katakana and kanji* that they learned in previous courses. About 50 new *kanji* will be introduced. Students will also be required to comprehend short descriptive essays written in Japanese characters and to write short compositions in Japanese characters. 3 Cr. Spring

#### RUSSIAN COURSES

**RSN 111 Beginning Russian I (A).** Introductory course in Russian designed to develop language skills in Russian (listening, speaking, reading and writing) as well as an understanding and appreciation of Russian culture. Content includes oral comprehension drills, pronunciation exercises, sentence formation, vocabulary, verbs and simple readings on Russian culture. Succinct explanations in English are followed by group and individual practice in Russian. 3 Cr. Fall

**RSN 112 Beginning Russian II (A).** *Prerequisite:* RSN 111. Designed to further the development of language skills including listening, speaking, reading and writing, as well as an understanding and appreciation of Russian culture. Content includes regular and irregular verbs, vocabulary building, more complex sentences and more complex readings on Russian cultures. Succinct explanations in English are followed by group and individual practice in Russian. 3 Cr. Spring

**RSN 211 Intermediate Russian I (A).** *Prerequisite:* RSN 112 or equivalent. Emphasis is given to the development of language proficiency at the intermediate level as well as of the understanding and appreciation of Russian culture. Content includes introduction to dative, accusative, and instrumental cases and their usage in oral and written language; past and future tenses, advanced vocabulary, and sentence formation. 3 Cr. Fall

**RSN 212 Intermediate Russian II (A).** *Prerequisite:* RSN 211 or equivalent. Emphasis is given to the development of language proficiency at the intermediate level as well as understanding and appreciation of Russian culture. Content includes further practice of genitive, dative, instrumental, accusative and prepositional cases in oral and written language; verbs of motion, advanced vocabulary and sentence formation. 3 Cr. Spring

**RSN 399 Independent Study in Russian (A).** Arranged in consultation with the instructor/ sponsor and in accordance with the procedures of the Office of Academic Advisement prior to registration. 3 Cr. Every Semester

#### STUDY ABROAD

The department sponsors semester abroad and/or summer programs in Tours, France; Cuernavaca, Mexico; and San Jose, Costa Rica. Internships are available in Costa Rica and Mexico. Students may also participate in study programs in various other countries. Foreign language majors are expected to participate in a study abroad program in a French- or Spanish-speaking country, as appropriate. Consult the Office of International Education for application procedures and information related to SUNY Brockport programs. Programs that are not affiliated with the SUNY systems require departmental approval to ensure the proper transfer of credits.

There are some courses that are designated for credit in study abroad programs only.

#### FRENCH COURSES

**FRN 302 Advanced French Grammar (A).** Designed to expand active vocabulary, including idioms, as well as modern usage as the basis for oral and written language. It examines linguistic and cultural contrasts as reflected in the language. Emphasis will be placed on correct written expression. Offered only in a study abroad context. 3 Cr.

**FRN 312 French Civilization to 1945 (A).** Beginning in prehistoric times and ending with World War II, students will explore artistic, social, political, and cultural events which have produced a rich and varied French culture. Includes reading of short literary texts and use of audiovisual materials. Offered only in a study abroad context. 3 Cr.

**FRN 320 Diction and Comprehension (A).** Practice in hearing and producing French speech sounds. Emphasis on accuracy to produce native-like intonations of words and cadence of connected speech and listening comprehension of a variety of French accents. Offered only in a study abroad context. 3 Cr.

**FRN 321 Introduction to French Literature (A).** Introduction of elements of literary genres, fiction, poetry and drama used by representative

writers of French literature. Presentation of films to illustrate various genres. Offered only in a study abroad context. *3 Cr.*

**FRN 323 French Composition (A).** Provides active class discussion on a variety of topics geared to the readings in the course. Allows for practice with vocabulary, idiomatic expressions and grammatical structures. Requires weekly compositions. Offered only in a study abroad context. *3 Cr.*

**FRN 324 Reading French (A).** Improves reading comprehension and introduces rudiments of written and oral textual analysis. Includes readings, brief at first, which will increase in length and difficulty throughout the semester. Includes short written assignments, oral presentation and a final exam. Offered only in a study abroad context. *3 Cr.*

**FRN 325 France Today (A).** An introduction to France, its people and its institutions. Concentrates on France after World War II: the school system, political and cultural life, the economy, family life. Contrastive analysis of French and American cultures. Continued practice in oral and written French. Offered only in the study abroad context. *3 Cr.*

**FRN 399 Independent Study in French (A).**  
*Prerequisite: Three 300-level French courses with a minimum of 3.0 GPA in French and the instructor's permission.* Content to be identified in consultation with the instructor/sponsor and in accordance with the procedures of the Office of Academic Advisement prior to registration. *3 Cr.*

#### SPANISH COURSES

The following courses are Study Abroad Program equivalencies. They are for credit through programs in Spanish-speaking countries. These courses count as electives in the Spanish major or minor in both tracks.

**SPN 301 Spanish Grammar Review (A).** Covers essentials of Spanish grammar through a descriptive analysis of the linguistic forms and functions of Spanish. Requires skill applications in oral practice, reading and writing. Offered only in a study abroad context. *3 Cr.*

**SPN 322 Spanish Conversation and Composition (A).** Development of oral and written fluency and vocabulary building. Includes weekly writing assignments such as compositions, journals, etc. Requires active class discussions on a variety of topics from current events or researched themes. Offered only through programs in Spanish-speaking countries. *3 Cr.*

**SPN 323 Intermediate Spanish Conversation and Composition (A).** Designed to help students continue developing fluency and vocabulary building. Helps students prepare for the most advanced Spanish Conversation and Composition course. Active class participation is required. Includes writing and discussion on a variety of topics from current events or researched themes in order to gain confidence in thinking, writing and speaking Spanish. Offered only through programs in Spanish-speaking countries. *3 Cr.*

**SPN 326 Costa Rican Culture (A).** Provides an overview of political, social, economic, religious, literary and artistic life in contemporary Costa Rica. Emphasizes cultural contrasts with students' own culture. Entirely in Spanish, includes extensive practice of all language skills. Offered only in a study abroad context. *3 Cr.*

**SPN 399 Independent Study in Spanish (A).**  
*Prerequisites: Three 300-level Spanish courses with a minimum of 3.0 GPA in Spanish and the instructor's permission.* Content to be identified in consultation with the instructor/sponsor and in accordance with the procedures of the Office of Academic Advisement prior to registration. *3 Cr.*

\*SPN 290 Cross Cultural Experience I Mexico  
SPN 390 Cross Cultural Experience II Mexico  
SPN 490 Cross Cultural Experience III Mexico

\***Note:** Students may receive credit for only one level.

## GEOLOGY—SEE EARTH SCIENCES

### DEPARTMENT OF HEALTH SCIENCE

23 Hartwell Hall  
(585) 395-2643

*Chair and Associate Professor:* Douglas Scheidt, PhD, University of Buffalo; *Associate Dean of Professions and Professor:* Eileen L. Daniel, DEd, University of Oregon; *Professor:* Thomas Golaszewski, EdD, SUNY Buffalo; *Associate Professors:* Joseph E. Balog, PhD, University of Maryland; Linda F. Balog, PhD, University of Maryland; Priya Banerjee, PhD, Southern Illinois University-Carbondale; Gary J. Metz, MPA, SUNY Brockport; Celia Watt, PhD, University of Texas-Austin; *Assistant Professors:* Jennifer R. Boyle, PhD, University of Maryland; Patti A. Follansbee, PhD, Southern Illinois University-Carbondale; Gregg M. Kirchofer, PhD University of Toledo. *Visiting Assistant Professor:* Leonie C.R. Smith, MPH, Hunter College (PhD Candidate, Kent State University).

The Department of Health Science offers four academic tracks leading to the Bachelor of Science: (1) the professional program in health education, (2) the liberal arts program in health science\*, (3) the alcohol and substance abuse studies program, and (4) health care administration.

The professional program in health education provides students with competencies for entry-level positions as health teachers in elementary and secondary schools and as health educators in various community agencies, work sites, and patient education settings. A specific set of prerequisite courses in biology, education, and psychology is required of students pursuing the professional program in health education. These courses are specified below under “Required Courses in Other Disciplines.”

The liberal arts program in health science provides students with an extensive understanding of the knowledge, values, problems, and issues related to health and wellness, disease, disability, and premature death in human populations. The liberal arts program does not require a specific set of prerequisite courses. However, students pursuing this program are encouraged to develop a basic knowledge in several of the many disciplines focusing on the human condition.

The alcohol/substance abuse studies program is designed to assist students in meeting the education and training requirements for the **Credentialed Alcoholism and Substance Abuse Counselor** (CASAC) issued by the New York State Office of Alcoholism and Substance Abuse Services (OASAS).

The health care administration, this program provides generic training (not targeted for any single position or institution) leading to any number of management-related positions in the health care field, including hospitals, nursing homes, public health institutions, insurance companies, and consulting firms. Students pursue study in a broad range of subjects emphasizing both business and health systems-related topics.

All students considering a Department of Health Science program or concentration are invited to contact the department’s undergraduate coordinator, chair or any member of the department faculty for further information and guidance. Each of the programmatic options offered by the department is presented in greater detail below.

The health science faculty has a professional responsibility to deny admission or continuation in any of its undergraduate or graduate programs to any student whose level of performance and/or personal characteristics or dispositions do not adequately meet academic, professional, or ethical standards.

\*The liberal arts health science track may be pursued by students seeking certification as an elementary teacher. *Early Childhood or Childhood Education Certification* requires an appropri-

ate major in an academic area, which includes health science. Elementary education students should contact both their health science advisor and the Department of Education and Human Development as early as possible when planning their program.

### Professional Program in Health Education

This program is for students who wish to enter a professional program for health educators in the Department of Health Science. Initial certification as a health teacher in grades K–12 in New York state is granted after completion of this program and of HLP 495 Practicum in School Health Education. Students enrolled in the professional program must achieve a grade of “C” or better (a grade of “C–” does not meet this requirement) in each required health science course (HLS and HLP) and each required course taken outside of the Department of Health Science for completion of this program. In addition, students must achieve a minimum 2.5 grade point average for all course work completed at SUNY Brockport as a prerequisite to enrollment in any 400-level professional course (HLP).

<b>A. Required Health Science Liberal Arts Courses (24 credits)</b>		<b>Credits</b>
HLS 303	Environmental Health	3
HLS 313	Introduction to Safety	3
HLS 311	Nutrition	3
HLS 312	Mental Health	3
HLS 314	Family Life Science	3
HLS 409	Introduction to Alcohol and Other Drugs	3
HLS 419	Human Sexuality	3
HLS 488	Applied Biostatistics and Epidemiology	3

**Total: 24**

### B. Required Courses in Other Disciplines (11 credits)\*

BIO 321/322	Anatomy and Physiology I and II	8
PSH 384	Child Psychology	3
EDI 413	Introduction to Special Education	3

**Total: 14**

\*BIO 321 and 322 have a prerequisite requirement.

PSH 110 or 112 is a strongly recommended prerequisite for PSH 384.

### C. Required Professional Health Education Courses

HLP 302	Foundations of Health Education	3
(Note: HLP 302 is normally taken during the second semester of the sophomore year or the first semester of the junior year.)		
HLP 491	Health Education Methods	3
HLP 492	Interpersonal Communication in Health Education	3
HLP 493	Health Education Program Planning and Evaluation	3
HLP 485	Dimensions of Teaching School and Community Health	3
HLP 486	Field Experience	3

(Note: HLP 491, 492, 493 485, and 486 are taken concurrently and are offered only in the fall semester. Students may enroll in these courses only after the completion of all General Education requirements and all professional program requirements specified in A, B and C above. A request for a variance from this policy must be approved by the Professional Education Program Committee and the department Chair.)

HLP 495	Practicum in School Health Education	12
<b>and/or</b>		
HLP 496	Practicum in Community Health Education	3-12

**Total: 30-42**

(Note: HLP 495 and 496 are taken only after the successful completion of all General Education and professional program requirements. A request for a variance from this policy must be approved by the Professional Education Program Committee and the department Chair. Students in the professional program must complete one, but may choose to complete both of these practica.)

### Liberal Arts Major in Health Science\*

The following curriculum is for liberal arts health science majors\* and students who intend to enroll in the Department of Education and Human Development's Early Childhood or Childhood Teacher Certification programs who want to major in health science. The course of study consists of three parts: a required core, one course from each of the five content areas, and two electives to be selected with advisement. Students must achieve a grade of "C" or better in each health science course. (A grade of "C-" does not meet this requirement).

#### Part 1.

To ensure a common foundation, all majors must take the following three core courses:

		<b>Credits</b>
HLS 301	Principles of Healthful Living	3
HLS 306	Contemporary Issues in Health (D,I)	3
HLS 488	Applied Biostatistics and Epidemiology	3
<b>Total:</b>		<b>9</b>

#### Part 2.

To be certain that each student covers the breadth of health science, liberal arts majors\* are required to take *at least one* course in each of the five content areas specified below. Only those courses listed below can be used to meet this 15-credit breadth requirement.

		<b>Credits</b>
Group I	Consumer and Community Health	
HLS 303	Environmental Health	3
HLS 475	Computer Applications in Health	
Group II	Mental and Emotional Health	3
HLS 312	Mental Health	
HLS 471	Child and Adolescent Stress	
HLS 423	Theories of Addiction	
Group III	Alcohol, Tobacco and Other Drugs	3
HLS 409	Introduction to Alcohol and Other Drugs	
HLS 418	Alcohol Use and Abuse	
HLS 445	Psychopharmacology of Alcohol and Other Drugs	
Group IV	Family Living/Growth and Development	3
HLS 314	Family Life Science	
HLS 419	Human Sexuality	
Group V	Personal Health/Disease	3
HLS 311	Nutrition	
HLS 426	HIV/AIDS	15

#### Part 3.

Each student selects at least two additional health science courses with the approval of a faculty advisor. Students enrolled in teacher certification programs (e.g., childhood or physical education) are encouraged to enroll in HLP 302 Foundations of Health Education. Other students are encouraged to enroll in HLS 317 Introduction to Public Health.

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**Total: 30**

\*For those *not* pursuing a professional program in health education, health administration or the alcohol and substance abuse studies tracks. Students pursuing health administration or the alcohol and substance abuse studies tracks should refer to the following sections specific to these areas:

### Alcohol/Substance Abuse Studies

The Alcohol and Substance Abuse Studies Program (ASAP) may be pursued as a track in health science, as a complete set of electives to complement another major, as a complete set of courses for a non-matriculated student, or selectively as independent electives. The ASAP are designed to partially fulfill requirements for the New York State Office of Alcoholism and Substance Abuse Services (OASAS) Credentialed Alcoholism and Substance Abuse Counselor examination. Current CASAC holders may elect to take some or all of these courses to fulfill the continuing education requirements of the credential. Students must achieve a grade of “C” or better in each health science course. (A grade of “C–” does not meet this requirement).

Students majoring in this program are required to complete the following core courses:

		<b>Credits</b>
HLS 301	Principles of Healthful Living	3
HLS 488	Applied Biostatistics and Epidemiology	3
<b>Total:</b>		<b>6</b>

### Required for ASAP Concentration (30–36 Credits)

		<b>Credits</b>
HLS 409	Introduction to Alcohol and Other Drugs	
<b>OR</b>		
HLS 418 <sup>1</sup>	Alcohol Use and Abuse	3
HLS 421	Group Counseling for Alcohol and Other Drugs	3
HLS 422	Individual Treatment Planning for Alcohol and Other Drugs	3
HLS 423	Theories of Alcohol and Other Drugs	3
HLS 424	Counseling Diverse Populations for Alcohol and Other Drugs	3
HLS 435	Evaluation and Assessment of Alcohol and Other Drugs	3
HLS 445 <sup>2</sup>	Psychopharmacology of Alcohol and Other Drugs	3
HLS 497	Intern Seminar for Alcohol and Other Drugs	3
HLP 498	Internship for Alcohol and Other Drugs	6–12

Prerequisites: All other ASAP courses — a minimum of 2.5 GPA and coordinator’s permission.

<sup>1</sup>HLS 418 or HLS 409 are prerequisites or corequisites for all ASAP courses.

<sup>3</sup>PHS 110 or PSH 112 is a prerequisite for HLS 445.

**Total: 30–36**

### Health Care Administration

In keeping with the needs of the expected job positions, education is geared to both business and health science-related skills. All courses in this 30-credit program are three credits and most are offered at SUNY Brockport METROCENTER in downtown Rochester, either Saturdays or evenings. (Courses marked with an asterisk below are *only* offered at the METROCENTER.) Courses designated with “F” or “S” are fall or spring only. Students must achieve a grade of “C” or better in each health science and required business and accounting course. (A grade of “C–” does not meet this requirement).

Please note: HLS 301 and 306 are not required for this program as they are for other programs in health science in order for students to focus more attention on administrative issues and keep within the 30-credit framework. Students are reminded that they need to complete a contemporary issues course as part of the College General Education requirements and HLS 306 is recommended for this purpose.

**Required Health Science Courses**

HLS 410*	Introduction to Health Care Administration (F)
HLS 411*	Management Communications (F)
HLS 412*	Health Care Administration Planning (S)
HLS 413*	Risk Management (S)
HLS 488	Applied Biostatistics and Epidemiology (S)
HLS 496	Internship (offered spring and summer)

\*Offered only at SUNY Brockport METROCENTER.

**Required Business Courses**

ACC 280	Principles of Accounting
BUS 335	Principles of Marketing
BUS 365	Principles of Management
BUS 465	Human Resource Management

**Suggested Electives**

BUS 317	Introduction to Management Information Systems
CMC 316	Interpersonal Communications in Business and the Professions
CMC 332	Public Relations Principles and Practices
ECN 333	Health Economics (S)
PSH 397	Health Psychology

**Prerequisites**

HLS 411	Requires proficiency in word processing
MTH 111 or higher	Prerequisite for ACC 280
BUS 317 and 365	Prerequisites for BUS 465
<b>AND</b>	
PSH 110 or 112	Prerequisites for PSH 397

## HEALTH SCIENCE COURSES

**HLP 302 Foundations of Health Education (B).** Covers health education philosophy; history; present status and future projections related to the promotion of healthy lifestyles; appropriate response to human health needs; and principles of learning, goal setting, behavioral objectives, teaching methodologies, evaluation, professional ethics, and legislation. 3 Cr.

**HLP 485 Dimensions of Teaching School and Community Health (B).** *Prerequisites: Completion of all required courses in General Education and in the professional program in health education, and minimum 2.5 GPA for all courses taken at SUNY Brockport; taken concurrently with HLP 486, HLP 491, HLP 492 and HLP 493.* Focuses on the practice of strategies and methodologies needed for effectively teaching health education in school and community settings. Includes the process of analyzing and discussing field placement experience (HLP 486) to reinforce theoretical content. Includes these discussion topics, often reinforced by guest speakers with particular expertise: elements of effective instruction, classroom manage-

ment, learning disabilities, controversial issues, school law, health education standards in New York state, and health education programming in community settings. 3 Cr.

**HLP 486 Field Experience (B).** *Cross-listed as HLP 494. Prerequisites: Same as HLP 485; taken concurrently with HLP 485, HLP 491, HLP 492 and HLP 493.* Provides a field experience in a school/community site requiring a minimum of two days per week for each six-week placement. Allows students to begin to demonstrate health education planning, teaching, and evaluation skills plus complementary responsibilities in community and school sites. 3 Cr.

**HLP 491 Methods for Health Education (B).** *Prerequisites: Same as HLP 485; taken concurrently with HLP 485, HLP 486, HLP 492 and HLP 493.* Enables students to develop, implement, and evaluate a variety of health education programs for school, community, and work-site settings and audiences; and to utilize appropriate instructional methodologies such as discussion, lecture, prob-

lem solving, demonstration, experiment, role play, gaming, newsletter, brochure, television, radio, and computer assisted instruction. 3 Cr.

**HLP 492 Interpersonal Communication in Health Education (B).** *Prerequisites:* Completion of all required courses in General Education and in the professional program in health education, and minimum 2.5 GPA for all courses taken at SUNY Brockport; taken concurrently with HLP 485, HLP 486, HLP 491 and HLP 493. Enables students to learn basic communication skills and techniques applicable in school and community settings, including counseling, conflict management, small group management, and organizational communication. Teaches students problem assessment, identify and tackle problems involving potential suicide, major substance abuse, family violence, abuse, sexual abuse, or neglect. Also teaches students how to develop relationships with appropriate community referral sources and to develop sensitivity to issues involving diversity. 3 Cr. Fall.

**HLP 493 Health Education Program Planning and Evaluation (B).** *Prerequisites:* Completion of all required courses in General Education and in the professional program in health education, and minimum 2.5 GPA for all courses taken at SUNY Brockport; taken concurrently with HLP 485, HLP 486, HLP 491 and HLP 492. Examines contemporary health problems in the United States and investigates the role of health education in solving these problems. Examines theories, methods, strategies, and techniques of health education program planning, implementation, and evaluation. Uses computer applications for data and information gathering and assessment, program planning, and evaluation. 3 Cr.

**HLP 495 Practicum in School Health Education (B).** *Course fee. Prerequisites:* HLP 485, HLP 486, HLP 491, HLP 492 and HLP 493 and a minimum 2.5 GPA for all courses completed at SUNY Brockport. Provides students with the opportunity to use all of their knowledge, attitude, and behavior skills on a full-time basis in an elementary school site and in a secondary school site under the supervision of an elementary teacher and a health educator respectively. Also provides students with the opportunity to become proficient in delivering content related to the implementation of the three New York State Learning Standards for Health, Physical Education, and Family and Consumer Sciences. Satisfactory/Unsatisfactory grading. 1-12 Cr.

**HLP 496 Practicum in Community Health Education (B).** *Prerequisites:* HLP 485, HLP 486, HLP 491, HLP 492 and HLP 493; and minimum 2.5 GPA for all courses completed at SUNY

*Brockport.* Provides students with the opportunity to function as full-time health educators in community, hospital, or work-site settings under the supervision of a health education professional. Allows students to develop, implement, and evaluate health education programs as appropriate for the setting. Satisfactory/Unsatisfactory Grading. 1-15 Cr.

**HLP 498 Internship for Alcohol and Other Drugs (B).** *Course fee. Prerequisites:* HLS 409 or HLS 418, HLS 421, HLS 422, HLS 423, HLS 424, HLS 435 and HLS 445; 2.5 GPA; and program coordinator's permission. Provides an internship in an alcoholism and substance abuse treatment facility. Requires students to apply knowledge from course work in a variety of settings with people in varying stages of alcohol and substance abuse and dependence; and to gain experience in assessment, treatment planning, evaluation, making referrals, counseling, therapeutic treatment, and professional ethics. Satisfactory/Unsatisfactory Grading. 1-12 Cr.

**HLS 210 First Aid and Community CPR for Athletics (A).** Identifies the role of the coach/teacher responder and the Emergency Medical Service (EMS). Focuses on first aid management for life-threatening and non-life-threatening emergencies such as choking, respiratory cardiac arrest, bleeding, shock, temperature-related problems and injuries incurred during athletic activities. After successful completion, the student is eligible for American Red Cross Responding to Emergencies and Community CPR Certifications. (Required for NYS Teacher Certification in Physical Education and NYS Coaching Certification). 2 Cr.

**HLS 301 Principles of Healthful Living (A).** Focuses on lifestyle factors and their relationships to well-being, behaviors, and disease. Explores health content areas, defined by NYS Education Department. Includes these topics: drug use and abuse, nutrition, personal and community health, safety education (identifying dangerous environments, prevention of child abduction, fire, and arson), communication skills for productive relationships (i.e. conflict resolution), identifying and reporting suspected child abuse/maltreatment, and SAFE Schools Against Violence Education Legislation Certification. 3 Cr. Every Semester.

**HLS 303 Environmental Health (A).** Focuses on present and future issues regarding the people resource-pollution crises. Places specific emphasis on enhancing awareness and understanding of the environment's impact on human health. Also addresses sustainable ethics and the individual's ability to influence public policy. Examines the role of

public health and education in the mitigation of environmental problems. *3 Cr. Every Semester.*

**HLS 306 Contemporary Issues in Health (A,D,I).** Provides for the identification and analysis of current critical health and health care issues in the US; focuses on ethical, legal, economic, and social implications of controversial health issues; and examines the dynamics of the American health care system from the perspective of the patient, consumer, and health care provider. *3 Cr.*

**HLS 311 Nutrition (A).** Explores nutrients as they relate to digestion, transport, absorption, storage, and energy metabolism. Examines energy balance, weight management, and the physical and chemical composition of foods, including dietary adequacy and needs throughout the life cycle. Also addresses current nutritional issues and consumerism with application to personal nutritional status. *3 Cr.*

**HLS 312 Mental Health (A).** Explores the concept of mental health, including various models and theories of mental health; emphasizes the importance of effective interpersonal communications, self-esteem, and the highlights practical aspects and underlying dynamics of personal growth. Studies information relevant to particular diverse groups including the elderly and handicapped, rape and suicide prevention, wife and child abuse, maltreatment and neglect. Fulfills the Child Abuse Detection Training requirement. *3 Cr.*

**HLS 313 Introduction to Safety (A).** Surveys the causes of accidents in our society, how they occur, and the necessary action that has to be taken to avoid them. Devotes additional study to the impact accidents have on our economy, industry, and the psychology of accident causation. *3 Cr.*

**HLS 314 Family Life Science (A).** Provides for the study of diverse family forms in the US today. Examines cultural and social factors affecting family life; explores how family dynamics affect the health of each individual, analyzes components of successful family life; and identifies common problems within families and strategies for their resolution. *3 Cr.*

**HLS 317 Introduction to Public Health (A).** An introduction to the theory and practice of public health. Topics include the history and future of public health, law, government and politics as they pertain to the discipline, science and analytical methods fundamental to the field, and the determinants of health. The public health workforce and the settings of public health practice also will be examined. *3 Cr.*

**HLS 399 Independent Study in Health Science (A).** To be defined in consultation with the instructor-sponsor and in accordance with the procedures of the Office of Academic Advisement prior to registration. *1-6 Cr.*

**HLS 402 Women's Health (A,W).** *Cross-listed as WMS 402.* Provides a study of women as healthy functioning human beings. Includes lecture and discussion with guest speakers (when available) to present positive information and insights on the anatomical, physiological, mental, spiritual, and emotional aspects of contemporary women. *3 Cr.*

**HLS 409 Introduction to Alcohol and Other Drugs (A).** Introduces students to a variety of drug problems, including alcohol and tobacco, in contemporary society. Analyzes the diverse determinants (e.g., pharmacologic, behavioral, social, economic, historic) of these problems. Discusses effective substance abuse prevention and treatment strategies. *3 Cr.*

**HLS 410 Introduction to Health Care Administration (A).** Provides an overview of health systems in this country, including the personal health care and public health sectors. Presents critical factors in the history, organization, delivery, and financing of health services. Places emphasis on identifying and analyzing current trends in the health field and their implication for health care administrators. *3 Cr. Fall.*

**HLS 411 Management Communications in Health Care Administration (A).** Provides an overview of health care communication issues essential in performing the managerial role. Includes a wide variety of topics that will enhance skill development in the areas of interpersonal, public speaking, and persuasive communication; meeting organization and management; and business letter, memo, and policy writing. Provides instruction in the use of graphics presentation software. *3 Cr. Fall.*

**HLS 412 Health Care Administration Planning (A).** Investigates the planning process as applied to a health care setting. Includes these topics: assessing need, analyzing quantitative and qualitative data, health care law and regulations, the budgeting process, and process and outcome evaluation. Involves applying the planning process toward the preparation of a proposal. *3 Cr. Spring.*

**HLS 413 Risk Management (A).** Identifies the risks within health care institutions in order to protect the assets of organizations, agencies and individual providers. Risk management will be explored as part of an organizational strategic response. Areas of risk will be identified, discussed and strategies developed to eliminate, mitigate,

prevent and defend against errors. Course topics will include health care operations, regulations, corporate compliance, employer risks, patient communication and financing. 3 Cr.

**HLS 418 Alcohol Use and Abuse (A).** Examines patterns and symptomatology of alcohol use and abuse, the Medical Model/Disease Concept of Alcoholism, the DSM IV criteria for alcohol abuse and dependency, and other various models of alcohol use and abuse, including relapse prevention strategies. Explores theories of codependency, treatment modalities and evaluation methodologies for clinical and educational interventions. Also examines the significance of alcohol and other drugs as they impact the criminal justice, traffic safety, employee wellness, and adolescent health care systems. 3 Cr.

**HLS 419 Human Sexuality (A,W).** *Cross-listed as WMS 419.* Provides each student with the opportunity to gain an awareness of him/herself and others as sexual beings. Examines sexual knowledge, attitudes and behaviors throughout the various life stages in order to integrate human sexuality into one's total health and well-being. 3 Cr.

**HLS 421 Group Counseling Skills for Alcohol and Other Drugs (B).** *Prerequisite/corequisite: HLS 418 or HLS 409 (may be taken concurrently).* Introduces students to the basic foundations of group dynamics and group therapy. Deals with the historical development of the group process movement, stages and techniques of group therapy, curative aspects of the group process, interpersonal learning, and problems associated with group process. 3 Cr.

**HLS 422 Individual Treatment Planning for Alcohol and Other Drugs (B).** *Prerequisites/corequisites: either HLS 418 or HLS 409 (may be taken concurrently).* Introduces students to the elements of individualized treatment planning; provides in-depth coverage of client goal formulation; and requires writing and evaluation of attainable client objectives. Also examines the bio-psychosocial-spiritual aspects of the individualized treatment plan and client case management. 3 Cr.

**HLS 423 Theories of Alcohol and Other Drugs (A).** *Prerequisite/corequisite: either HLS 418 or HLS 409 (may be taken concurrently).* Reviews major contemporary theories on alcoholism and other addictions (disease model, psychoanalytic formulations, conditioning models, social learning analyses, family systems perspectives, socio-cultural view points, transtheoretical model (stages of change) and harm reduction. Critically evaluates the concepts and research generated from each perspective. Analyzes the usefulness of each theory

in the practice of substance abuse prevention and counseling. 3 Cr.

**HLS 424 Counseling Diverse Populations for Alcohol and Other Drugs (A,D,W).** *Prerequisites/corequisites: either HLS 418 or HLS 409 (may be taken concurrently).* Prepares students for working in a counseling setting with alcohol/substance abusers having multiple emotional and developmental disabilities, criminal justice clients, and individuals from diverse population groups including Native Americans, Latinos, people of color, women, and gays/lesbians. 3 Cr.

**HLS 425 Women and Safety (A,W).** Examines issues of violent crime and personal victimization, especially for women, and the implications for personal crime prevention. Includes an in-depth examination of these violent crimes (e.g.: sexual assault, relationship violence), followed by a focus on individual strategies for maintaining personal safety and reducing crime risks. Considers crime prevention for children and other special populations. 3 Cr.

**HLS 426 HIV/AIDS: Issues and Implications (A,C,D,W).** Examines HIV/AIDS issues and implications facing the United States and the world today; provides an understanding of the disease, its perceived causes, pathways for transmission, and prevention strategies; and explores the development of educational strategies for schools and community agencies. 3 Cr.

**HLS 428 Substance Abuse and the Criminal Justice System (A).** Introduces students to the impact of alcohol and illicit substances on the criminal justice system. Discusses drug identification, administration, the psychopharmacology theories of alcohol and substance abuse, and investigation techniques. Also addresses the role of alcohol and substance abuse in the criminal justice system and law enforcement community. 3 Cr.

**HLS 435 Evaluation and Assessment of Alcohol and Other Drugs (B).** *Prerequisites/corequisites: HLS 418 or HLS 409 (may be taken concurrently).* Covers the theory and methodology of measurement, assessment and evaluation in alcohol and substance abuse and alcoholism and dependence. Studies the more widely researched and utilized methods of assessment: clinical interviews, structured interviews, and standardized instruments. Reviews instruments used in screening, diagnosis, treatment planning and neuropsychological evaluation. Also covers documentation, report writing and the ethics of assessment. Employs extensive use of clinical materials to illustrate uses and limitations of various techniques. 3 Cr.

**HLS 445 Psychopharmacology of Alcohol and Other Drugs (A).** *Cross-listed as PSH 445. Prerequisite/corequisite: HLS 409 or HLS 418 (may be taken concurrently).* Covers the effects of alcohol, sedatives, stimulants, opiates, hallucinogens and other drugs, especially their effects on the central nervous system, behavior and mood. Relates the pharmacokinetics and pharmacodynamics to intoxication tolerance, withdrawal, abuse and dependence of each drug. Includes the learning and motivational components of drug tolerance and addiction. 3 Cr.

**HLS 470 Health Implications of Stress (A).** Involves a comprehensive study of research, theory, and empirical knowledge of the psychosomatic implications of stress on health and disease. Examines the nature of stress, and the effects of stress on the human organism, including an examination of physiological, psychological, and behavioral symptoms and changes. Also examines the causes of stress during various stages of life, as well as occupational and family sources of stress; and studies and allows for the practice of behavioral interventions and specific techniques. 3 Cr.

**HLS 471 Childhood and Adolescent Stress (A).** Provides an overview of stress and its effects on children and adolescents in today's society; the nature, symptoms, and causes of stress in children and adolescents; positive and negative ways children and adolescents manage stress; useful techniques for controlling and reducing stress in a healthful manner; and how parents, teachers, and health professionals can help young people manage stress. 3 Cr.

**HLS 475 Computer Applications in Health Education (A).** Provides students with an introduction to the potential issues of microcomputers in the field of health education. Covers a range of hardware and examines general and specific software applications of microcomputer technology to the practice of health education. Explores important social, educational, legal, and ethical issues related to the use of technology in health education. 3 Cr.

**HLS 488 Applied Biostatistics and Epidemiology (A).** Provides an overview of descriptive and inferential statistics using computer software. Includes topics such as hypothesis testing and interpretation of data from health science and epidemiologic research, including the calculation of rates, sampling theory, and types of studies; and allows the student to better interpret the medical literature. 3 Cr.

**HLS 490 Selected Topics in Health Science (A).** To be defined by the instructor in accordance with the specific topic to be covered that semester. May be repeated, but under another topic area in health science. Additional information may be obtained from the department. 1-6 Cr.

**HLS 496 Internship in Health Care Administration (A).** *Course fee. Prerequisites: HLS 410, HLS 411, HLS 412, HLS 413, HLS 488, BUS 335, BUS 365 and BUS 465 and a 2.5 GPA for all courses completed at SUNY Brockport.* Provides an administrative field work experience at a health care setting. Allows the student to apply course work knowledge and skills to a health care administrative problem. Involves completion of a major, negotiated project at the targeted organization. 1-9 Cr.

**HLS 497 Intern Seminar for Alcohol and Other Drugs (A).** *Prerequisites: either HLS 418 or HLS 409; HLS 421, HLS 422, HLS 423, HLS 424, HLS 435 and HLS 445; 2.5 GPA for all courses completed at SUNY Brockport and instructor's permission.* Designed to be taken concurrently with HLS 497 and HLP 498. Allows students to process their experience in the field in a clinical group supervision format. Addresses issues which present themselves within the internship setting, including situations with clients, peers, and supervisors. Covers ethics, confidentiality, and diversity issues. Satisfactory/Unsatisfactory Grading. 3 Cr.

**HLS 499 Independent Study in Health Science (A).** To be defined in consultation with the instructor-sponsor and procedures of the Office of Academic Advisement. 1-6 Cr.

## DEPARTMENT OF HISTORY

**133 Albert W. Brown Building**  
**(585) 395-2377**

*Chair and Associate Professor:* Jennifer M. Lloyd, PhD, University of Rochester; *2007-2008 Presidential Fellow:* Carl Almer, MA, University of California-Irvine; Carl Davila, PhD, Yale University; *Distinguished Teaching Professors:* Arden Bucholz, PhD, University of Chicago; Owen S. Ireland, PhD, University of Pittsburgh; *Professors:* W. Bruce Leslie, PhD, Johns Hopkins University; Salahuddin Malik, PhD, McGill University; *Associate Professors:* John P. Daly, PhD, Rice University; Kathleen S. Kutolowski, PhD, University of Rochester; Anne S. Macpherson, PhD, University of Wisconsin; Morag Martin, PhD, University of California-Irvine; Paul B. Moyer, PhD, The College of William and Mary; Kenneth P. O'Brien, PhD, Northwestern University; Alison M. Parker, PhD, Johns Hopkins University; James Spiller, PhD, University of Wisconsin; Wanda E. Wakefield, PhD, SUNY Buffalo; *Assistant Professors:* Katherine Clark, PhD, Indiana University; Takashi Nishiyama, PhD, The Ohio State University; Meredith Roman, PhD, Michigan State University; Jose Torre, PhD, SUNY Binghamton.

The study of history lies at the heart of the liberal arts tradition, and has recently become an essential part of many pre-professional programs. At SUNY Brockport, a student may study history as part of the General Education requirements, may encounter it as a requirement for another major, or may major in it to prepare for careers in public service, education, advertising, writing, or most positions requiring intellectual flexibility, breadth of perspective and an inquiring mind. History majors may go on to graduate school, either in history itself or in professional areas such as law or business. The Department of History at SUNY Brockport offers a variety of courses designed to serve any of these ends.

### I. History Major

The history major consists of 36 credits of history courses, 18 of which must be 300/400-level courses taken at SUNY Brockport. *Only courses in which a grade of "C" or higher is received are accepted as part of these requirements.*

Students entering the College as transfers may be exempted from HST 101 and 102 if they have completed six credits in Western Civilization courses at another institution. All other requirements are the same.

#### A. Mandatory Core:

	<b>Credits</b>
1. HST 101 and 102 Ancient World, Modern World	6
2. HST 211 and 212 Early America, Modern America	6
3. One course from the following list:	3
HST 335 The Roman Empire	
HST 336 Medieval Europe	
HST 337 Early Modern Europe	
HST 346 Renaissance and Reformation	
HST 347 Europe's Long 19 <sup>th</sup> Century	
HST 349 20 <sup>th</sup> Century Europe	
HST 359 European Women	
4. One course from the following list:	
HST 341 Middle East Crisis	3
HST 361 History of Japan	
HST 363 Islam	
HST 365 Medieval Islam	
HST 375 Colonial Latin America	
HST 376 Modern Latin America	
HST 385 Asian Civilizations to 1600	
HST 386 Asian Civilizations from 1600	

HST 434	Modern Caribbean History	
HST 438	Women and Gender in Latin-American History	
HST 460	Modern Africa	
HST 462	Business, Technology and Culture in Modern Japan	
HST 467	Modern South Asia	
HST 487	Asian Survey	
AAS 320	Precolonial Africa	
<b>B. Research Methods (HST 390)</b>		<b>3</b>
Prerequisites (three of the following): HST 101, 102, 211, 212.		
<b>C. Electives</b>		<b>15</b>
Any five history courses, including two 400-level courses, one of which must be designated “research intensive.”		
(HST 390 is a prerequisite for MANY 400 level courses.)		
<b>Total:</b>		<b>36</b>

## II. History Major — Adolescence Social Studies Certification Track

History majors seeking certification to teach adolescent social studies must complete the following track in the major. Students should consult the section of the catalog for Education and Human Development, Adolescent Teacher Certification, for other requirements.

<b>A. World History</b>	<b>Credits</b>
HST 101 Ancient World	3
HST 102 Modern World	3
<b>B. American History</b>	
HST 211 Early America	3
HST 212 Modern America	3
<b>C. European History</b>	
(One of the following)	3
HST 335 The Roman Empire	
HST 336 Medieval Europe	
HST 337 Early Modern Europe	
HST 346 Renaissance and Reformation	
HST 347 Europe’s Long 19 <sup>th</sup> Century	
HST 349 20 <sup>th</sup> Century Europe	
HST 359 European Women	
<b>D. Research Methods</b>	3
HST 390 Research Methods	
<b>E. Asian History</b>	3
(One of the following)	
HST 361 Japan	
HST 385 Asian Civilizations to 1600	
HST 386 Asian Civilizations from 1600	
HST 487 Asian Survey	
<b>F. Latin American History</b>	3
(One of the following or HST 438 by advisement)	
HST 375 Colonial Latin America	
HST 376 Modern Latin America	
<b>G. African or Middle Eastern History</b>	3
AAS 320 Pre-Colonial Africa	
HST 341 Modern Middle East	
HST 460 Modern Africa	

<b>H. Advanced American History</b>	6
HST 420 or 421 (One of the following:) HST 411, 416, 417, 418, 419, 420, 421, 422, or another approved 400 level US history course	
<b>I. Advanced Social Studies Methods</b>	3
EDI 468/HST 468 Teaching Social Studies Inclusively	
<b>Total:</b>	<b>36</b>
<b>IIa. Social Science Corequisites for teacher certification (12 credits)</b>	
<b>A. African-American Studies, Anthropology or Sociology</b>	3
(One of the following) A course on Native Americans (ANT 301 or HST 310) A course on African-American history or society SOC 210 Social Problems	
<b>B. Economics (one of the following)</b>	3
ECN 100 Contemporary Economic Problems ECN 202 Principles of Economics-Macro	
<b>C. Geography</b>	3
ESC 102 Elements of Geography	
<b>D. Political Science</b>	3
PLS 113 American Political Systems	
<b>Total:</b>	<b>12</b>

### History Minor

The minor requires 18 history credits, at least nine of which must be upper-division. Only courses in which students earn a grade of “C” or higher satisfy these requirements. At least half of the credits must have been completed at SUNY Brockport.

### Phi Alpha Theta

The Department of History is proud to sponsor a chapter of Phi Alpha Theta, the international history honor society. Juniors and seniors who achieve academic excellence are inducted into the chapter each spring.

### Departmental Honors

The department of history offers majors the option of earning Departmental Honors in History.

### HISTORY COURSES

#### AMS 327 Survey of American History (A,V).

Not open to students who have completed HST 211 or 212 or their equivalents. *Will not count toward the major in history.* Focuses on a narrative of American history through key events, turning points, and controversies. Lectures examine exploration, early colonization, the American Revolution, the Civil War, industrialization, immigration, World War II, and the cultural/social revolution of the Vietnam Era. 3 Cr.

#### GEP 170 Modern World Civilizations (A,G,O).

Not open to students who have completed HST 101 or 102. *Will not count toward the major in history.* Presents an overview of modern world civi-

lizations including and comparing both Western civilization and non-Western civilization. Focuses on key events, turning points, and controversies. Lectures examine creation of empires, religions, global economic shifts, creation of literature and art, gender, race, interaction of cultures and peoples, warfare and conquest, and globalization. 3 Cr.

**HST 101 Ancient World (A,G,O).** *Cross-listed as HON 218.* Conveys a global and comparative perspective on major themes in human history in the pre-1500 era and situates the historical experience of the West within that framework.

Explores classical traditions of the several world civilizations, the spread of world religions, construction of ancient empires and societies, and the multiple encounters among them. 3 Cr. Every Semester.

**HST 102 Modern World (A,G,O).** *Cross-listed as HON 223.* Conveys a global and comparative perspective on major themes in human history since roughly 1500 and situates the historical experience of the West within that framework. Focuses on the modern transformation of the West, its rise to global domination and the various challenges to that domination which have arisen over the past several centuries. 3 Cr. Every Semester.

**HST 113 Introduction to Afro-American History (A,D).** *Cross-listed as AAS 113.* Examines the historical experience and conditions of persons of African descent within the American historical milieu. 3 Cr. Every Semester.

**HST 211 Early America (A,V).** Provides a basic narrative survey of American political, economic, social and cultural history with an emphasis on early America. Includes topics such as unity and diversity in American society, the development of common institutions and how they have affected different groups, and America's relationship to the rest of the world. 3 Cr. Every Semester.

**HST 212 Modern America (A,V).** *Cross-listed as HON 212.* Provides a basic narrative survey of American political, economic, social and cultural history with an emphasis on modern America. Includes topics such as unity and diversity in American society, the development of common institutions and how they have affected different groups, and America's relationship to the rest of the world. 3 Cr. Every Semester.

**HST 220 The American Experience - Honors (A,V).** *Cross-listed as HON 220.* Provides a narrative survey of American political, economic, social and cultural history. Honors course with selected topics defined by each instructor. Includes topics such as citizenship and democracy, unity and diversity in American society, gender, race and power in American politics, and US foreign policy. 3 Cr.

**HST 301 Topics in American History (A).** Studies selected issues and topics according to student demand and faculty interest. Defined by the instructor in accordance with the specific topic offered that semester. 3 Cr.

**HST 302 History of Science and Technology in America (A,I).** Examines the changing relationships among science, technology and

American society as it developed from rural colony into modern, urban and industrial power. Assesses how government and private institutions influenced scientific and technological development and how that development affected the ways Americans worked, consumed, recreated, communicated, traveled and made war. 3 Cr.

**HST 304 Sport in World History (A).** Introduces students to the ways in which a study of sport can help illuminate their understanding of major issues in history. Through the lens of sport they will look at issues such as nationalism, classism, racism and sexism as they have occurred around the world and across time. Reinforces what students have learned earlier in terms of how to read a monograph, how to develop a bibliography, and how to locate and abstract a scholarly article. 3 Cr.

**HST 310 American Indian History (A,D).** Provides an overview of the history of North America's native people from the pre-Columbian period to present day. Addresses the diversity and commonalities of Indian culture and experience, the consequences of Indian-European contact, the nature of Indian-European relations and the evolution of Indian identity. 3 Cr.

**HST 313 Slavery in the Antebellum South (A,D).** *Cross-listed as AAS 313.* Provides a study of some of the dynamics of slavery in the South between 1800 and 1860. Includes firsthand accounts of observers and the political, economic and racial implications of this system. Compares the US plantation slavery to other slave systems in the Americas. Encourages students to borrow from the disciplines of anthropology, sociology, literature, and economics, as well as from political and intellectual history. 3 Cr. Fall.

**HST 324 Gender, Power, and Politics in America (A,W).** *Cross-listed as WMS 324.* Explores American politics from the 18th Century until today, emphasizing central tendencies and long-term patterns in the distribution and exercise of power in America with special attention to gender, interests, and ideologies. 3 Cr.

**HST 327 American Military Experience Since 1900 (A).** Following a chronological format, studies the relationship of military policy to foreign policy, the issue of war and peace, the conduct of diplomacy and military operations, the impact of technology on war and politics, organizational development of the armed forces, and the constitutional structure of civil-military relationships. 3 Cr. Spring.

**HST 328 Women in America (A,D,W).** *Cross-listed as WMS 328.* Focuses on cultural images of American women, such as the Victorian lady, the

flapper, and Rosie the Riveter, individual as well as organized resistance to conventional definitions of womanhood; and contemporary issues, including employment, reproductive freedom, and historiographical issues in women's history. 3 Cr.

**HST 334 Ancient Greece (A).** Uses a variety of secondary and primary sources (Herodotus/Thucydides) to understand the history of this first great Western civilization. Concentrating on Greek cultural expressions, such as the Olympic Games, students will learn how those cultural expressions have had resonance into the modern world. 3 Cr.

**HST 335 The Roman Empire (A).** Investigates reasons for the fall of the Roman Republic and the establishment of the Empire. Explores Rome's imperial administration and cultural achievements, Rome's relations to Persia and the barbarian tribes, and reasons for the decline of the Roman Empire in the West but not the East. 3 Cr.

**HST 336 Medieval Europe (A).** Introduces the social, cultural, religious, and intellectual life of medieval Europe from the fourth to the 15th centuries. Focuses on themes such as the ideals of piety, nobility, and chivalry that shaped medieval people's lives and how these changed or stayed the same over time. 3 Cr.

**HST 337 Early Modern Europe (A).** Explores European history from the wars of religion, to the rise of absolutism, to the French Revolution (1550-1800). Examines women's roles in society, witchcraft, colonialism, trade, popular culture, models of kingship, the Scientific Revolution and the Enlightenment. Emphasis on reading and discussion. 3 Cr.

**HST 341 Middle East Crisis: Historical Perspective (A,C).** Explores reasons for the recurrent crises in the Middle East and their global implications, especially for the United States. Concentrates on 20th Century events which have direct consequences on events in the Middle East today. 3 Cr. *Spring*.

**HST 343 History of the Soviet Union (A,I).** Highlights the multiple legacies of the Russian Empire; examines the Russian Revolution; explores the nature of the Stalinist regime; and seeks to explain the collapse of the Soviet Union. 3 Cr.

**HST 344 Sex, Sin and Sorority: Women in Early American Republic (A,W).** *Cross-listed as WMS 344.* Explores the origins of the modern American woman. Seeks to describe and explain the ways women in America transformed their reproductive, productive, political, and personal

lives during the first century of The Great American Republic, c. 1776-1876. Is aimed at a general audience and has no prerequisites. Entails lectures, reading, discussion, quizzes, and essay exams. 3 Cr.

**HST 346 Renaissance and Reformation (course number was changed from 446/546 in May 2002) (A).** Studies the origin and nature of the Renaissance, its evolution as a distinct cultural epoch, as well as its relationship to the mass religious movement known as the Reformation. Gives attention to the fine arts, literature, politics, economics and the intellectual climate of Europe between 1300 and 1600. 3 Cr.

**HST 347 Europe's Long 19th Century (A).** Surveys Europe's "long" 19th Century from 1789 to 1914. Includes the French Revolution and the Napoleonic era, industrialization, imperialism, the growth of liberal democracy, capitalism and its critics, Victorian culture, women's suffrage. 3 Cr.

**HST 349 Europe in the 20th Century (A).** Surveys Europe during the 20th century. Includes the emergence of racial nationalism, two world wars, decolonization, the rise and fall of communist regimes, and the impact of migration on European societies. 3 Cr.

**HST 351 Nazi Germany (A).** Explores the creation and destruction of Hitler's Germany within the context of 20th Century Europe, and the ironies and complexities of this modern human catastrophe. 3 Cr.

**HST 354 American History on Film (A,W).** *Cross-listed as WMS 354.* Focuses on how American history has been presented on film. The course follows a chronological format and looks at important films about the crucial eras and events in US history, such as the Civil War, the West and the Sixties, as well as the history of film-making itself. Stresses the ideological function of films and the contrast between how historians and films present the past. 3 Cr.

**HST 355 Modern War: 1740-1939 (A).** Studies the wars of the American and French Revolutions, Napoleon, the American Civil War and World War I. Emphasizes the theory and practice of modern war as it relates to technology, politics and the concepts of limited and unlimited warfare. 3 Cr.

**HST 356 War Since 1945 (A).** Studies the most recent ideas and varieties of war, including mechanized, guerilla, nuclear and conventional warfare. Examines the Chinese Civil War, Korean War, the Vietnam War, and the wars in the Middle East. 3 Cr.

**HST 357 Modern American Dream: Economics and U.S. Society & Culture (A,I).** Examines the critical influence of economics on American society and culture since the late 19th century. Looks at the modernization of agriculture, industry, and labor, the emergence of mass consumption, the economics of foreign policy, and the influence of economics on race, gender, ethnic, and class relations during this period. In short, examines the many factors that influenced how people imagined and strived for the “American Dream” of economic success. *3 Cr.*

**HST 358 Family and Social Change in American History (A,D,W).** Focuses on family structures and strategies, challenges to patriarchal families, and changing views of marriage and motherhood. Includes consideration of Native-American, black and immigrant experiences. Explores issues such as the women’s rights movement on families and working mothers, single parents, and alternative families. *3 Cr.*

**HST 359 History of European Women (A,W).** *Cross-listed as WMS 359.* Examines the history of European women since 1500, including traditional roles in political, economic, cultural and social life. Focuses on the changes over the centuries. *3 Cr. Spring.*

**HST 361 History of Early Modern Japan (A).** Studies Japanese political, economic and cultural history from antiquity to the beginning of the 19th century. *3 Cr. Fall.*

**HST 365.01 Medieval Islam (A).** Examines the first eight centuries of the Islamic era, which saw the zenith of Islamic civilization. Primary sources and major secondary works provide a thorough overview of medieval Islamic culture including examples of material culture and scholarly and literary achievements. *3 Cr.*

**HST 362 The History of World War II (A).** Explores the major theaters and home fronts of World War II Europe, North Africa, Asia and the Pacific. Views war from several perspectives: military-strategic and tactical, political, economic, ideological and social. Examines reasons for the war, and the nature of total, unlimited and national warfare. *3 Cr.*

**HST 363 Islam (A,C).** Explores the personality of Mohammed; his message; the evolution of classical Islam; its spread through Asia, Africa and Europe; the socio-economic expression of the Islamic ideal and its egalitarianism; the status of women; and the breakdown of a unified Islamic state. *3 Cr. Spring.*

**HST 364 History of Britain (A).** Studies the major political, social, economic, religious, intellectual and cultural developments in Britain from pre-Roman times to the eve of the Industrial Revolution by emphasizing dynamics of change such as ideas, personalities, and general forces. *3 Cr. Spring.*

**HST 365 Medieval Islamic Civilization (A).** Examines the first eight centuries of the Islamic era, which saw the zenith of Islamic civilization. Primary sources (in translation) and major secondary works provide a thorough overview of medieval Islamic culture, including examples of material culture- architecture, decorative arts, city scapes- and scholarly and literary achievements (especially historians, poets, philosophers, religious scholars and the courtly milieu. *3 Cr.*

**HST 371 Brockport Career Exploration Course: History I (B).** *Cross-listed as BCE 348.* Offers sophomores, juniors and seniors an opportunity for career exploration and skill development in history. *3 Cr. Every Semester.*

**HST 372 Brockport Career Exploration Course: History II (B).** See description of HST 371. *3 Cr. Every Semester.*

**HST 375 Colonial Latin America (A).** Covering 1450-1820, analyzes the dynamics of Spanish and Portuguese conquest in the “New World,” indigenous peoples’ active shaping of colonial rule, the importance of African slavery and race in colonial economies and societies, and the Catholic church’s regulation of gender relations. Examines regional diversity, colonialism’s enduring strengths, and the reasons for its rapid collapse in the independence wars of the 1810s. *3 Cr.*

**HST 376 Modern Latin America (A).** Analyzes 19th- and 20th Century Latin America’s history of struggle against colonial legacies, as well as new forms of economic and military oppression associated with dependent capitalist development. Asks students to consider the meanings of national independence in a region sharply divided by race and class, where peasants, workers and women have fought for political rights, sometimes winning revolutions, and where foreign influences limit state autonomy. *3 Cr.*

**HST 385 Asian Civilization I, Antiquity to 1600 AD (A).** Surveys the historical development of South and East Asian civilizations with emphasis on cultures of China, India, and Japan. Topics to be explored include the origins of East and South Asian civilizations, and their influence on neighboring areas, the origins of major thought systems in the Asian civilizations, and the development of national unity before 1600 A.D. *3 Cr. Fall.*

**HST 386 Asian Civilization II (A).** This course surveys the historical development of Asian civilizations with emphasis on China, India, and Japan with some reference to Korea and Vietnam. Topics to be explored include 1) the decline of pre-European South and East Asian empires; 2) the emergence of nation-states in Asia during the 19th and 20th centuries; and 3) the involvement of the United States in the transformation. 3 Cr.

**HST 388 Traditional China (A,C).** Studies the development and continuity of Chinese history from antiquity to 1600, emphasizing the historical foundations of Chinese civilization; chronologically examines significant historical trends; and critiques the late Ch'ing period and factors leading to reform, rebellion and revolution. 3 Cr. Fall.

**HST 389 Modern China (A,C).** Studies the history of China from 1600 to the aftermath of the economic and social reforms of the late 20th Century: the issues of nationalism, militarism, war, and Marxism-Leninism; the rise of the Communist Party and the role of Mao Zedong; and salient political and socio-economic developments since 1949. 3 Cr. Spring.

**HST 390 Research Methods (A).** Required seminar for all declared history majors. Introduces students to the elements of historical methodology and research. Should be taken as soon as possible after completing three of the following: HST 101, 102, 211, and 212. 3 Cr.

**HST 399 Independent Study in History (A).** Arranged in consultation with the instructor-sponsor and in accordance with the procedures of Office of Academic Advisement prior to registration. 1-3 Cr. By Arrangement.

**HST 401 Topics in American History (A).** Studies selected issues and topics according to student demand and faculty interest. Defined by the instructor in accordance with the specific topic offered that semester. 3 Cr.

**HST 404 Topics in World History (A).** Studies selected issues and topics according to student demand and faculty interest. Defined by the instructor in accordance with the specific topic offered that semester. 3 Cr.

**HST 407 American Environmental History (A).** Examines the changing relationship between people and the natural environment over the course of American history. Focuses on how agriculture, resource extraction, nature conservation, industrial production and urbanization and suburbanization created opportunities for and limitations on American economic and social activity. 3 Cr.

**HST 411 The New York Experience (A) Prerequisite: HST 211 or HST 212.** Explores New York State history from the hegemony of the Iroquois to today, including New York as a microcosm of national experience, cultural pluralism, economic development and politics. 3 Cr.

**HST 415 Natives and Newcomers (A). Prerequisites: HST 211 and HST 390.** Provides an in-depth exploration of the context and consequences of Indian-European contact in early North America (c. 1400-1840). Topics include the nature of pre-contact Indian and European cultures; the impact of European disease, plants and animals on Native peoples; and the encounter of Indian and European cosmologies, economics and methods of warfare. Will also consider how Indian-European contact transformed constructs of gender, ethnicity and race. 3 Cr.

**HST 416 Colonial North America (A,D). Prerequisites: HST 211 and HST 390.** Examines the history of North America from the advent of European expansion to the collapse of Europe's North American empires (c. 1400-1800). Focuses on cultural encounters and exchange between Indian, European and African peoples; European methods of colonization; the struggle for imperial domination in North America; and the evolution of colonial societies with particular emphasis on Britain's North American colonies. 3 Cr.

**HST 417 The American Revolution (A,D,W). Prerequisites: HST 390 and HST 211.** Provides a study of the socio-political dimensions of American history from the beginning of the Revolution through the creation of the new nation, the Constitution, and the emergence of national-level politics. 3 Cr.

**HST 418 The Early Republic (A). Prerequisites: HST 211 and HST 390.** Examines in depth the young American nation from 1800 to 1848, the ages of Jefferson and Jackson. Focuses on the market revolution and the transforming social and political changes that followed in its wake and prepared the way for Civil War. 3 Cr.

**HST 419 Civil War and Reconstruction (A). Cross-listed as AAS 419. Prerequisites: HST 211 and HST 390.** Provides an intensive study of the Civil War era (1848-1877). Surveys the breakdown of the American institutions that led to the Civil War, followed by an examination of the War itself and its controversial aftermath in the Reconstruction era. 3 Cr.

**HST 420 America from its Centennial to Pearl Harbor (A). Prerequisite: HST 212 and HST 390.** Examines the period of dramatic change unleashed by America's precipitous transformation

from rural, agrarian, Protestant society into an urban-industrial giant reshaped by immigration. Explores the impact of these forces on the American economy, family life, religion, politics, education and international role. Culminates with the Great Depression leading into the New Deal and WWII. 3 Cr.

**HST 421 America Since 1929 (A).** *Prerequisite:* HST 212. Uses the Depression as a watershed and then examines American society to the present. Features political change from Roosevelt to Reagan, foreign policy from Pearl Harbor to the present, and the evolution of popular culture since the 1920s. Also gives attention to economic and social developments. 3 Cr.

**HST 422 History of American Education (A).** *Prerequisite:* HST 211 or HST 212. American education can only be understood in light of its past. Americans have long placed education at the center of national life, expecting it to cure social problems, shape cultural identities, and promote both individual mobility and social cohesiveness. Examines the evolution of American schools and educational beliefs with the context of social, cultural, political and economic change and places American education into an international perspective. 3 Cr.

**HST 424 The United States and the World (A).** *Prerequisite:* HST 212. In the late 19th Century the United States burst on the international scene, quickly becoming the most influential society in history. Examines that dramatic trajectory through America's cultural, diplomatic, economic, educational, and political relations with other societies. Explores the impact of America on other societies and their impact on American society. 3 Cr.

**HST 426 American Cultural History 1865-Present (A).** *Prerequisite:* HST 390 or instructor's permission. Examines the emergence of modern American culture between the late 19th and early 21st centuries. Focuses on how nationalism and war, race and gender, industrial production and consumption, science and technology and mass education and entertainment affected the way Americans identified themselves and made sense of their world. 3 Cr. *Spring.*

**HST 429 American Women: History and Theory (A,W).** *Cross-listed as WMS 429.* A reading seminar. Investigates how women's history is constructed as social and cultural history with an emphasis on class, and how the discipline interacts with cultural studies in analyzing representations of women in popular culture, biography, and visual media. 3 Cr.

**HST 434 Modern Caribbean History (A).** *Prerequisites:* HST 102 and HST 212. As an advanced course, covers the French, Spanish, and British Caribbeans since the Haitian Revolution of the 1790s. Investigates how slavery and abolition, colonialism and nationalism, social and cultural movements, racism and dependency have forged this fascinating and paradoxical region. Considers questions of identity, especially for Afro-Caribbean women and men, in comparative framework. 3 Cr.

**HST 438 Women and Gender in Latin American History (A).** *Cross-listed as WMS 438.* As an advanced course, examines the diversity of Latin-American and Caribbean women's experiences from the Iberian conquest to the 20th -century. Analyzes the gender dynamics of colonial, national, dictatorial and revolutionary states, economies and cultures, and the importance of women's movements and feminism. Includes discussion of Latina history in the US and of Latin-American and Caribbean masculinity in historical perspective. 3 Cr.

**HST 441 World War I (A).** Explores the military aspects of the Great War (1914-18): the causes of the war, the German offensive, the Western and Eastern fronts, sea battles, technology and warfare, the entry of the United States, the disintegration of Czarist Russia, and the movements for peace. 3 Cr.

**HST 444 Medieval Women (A).** *Prerequisite:* HST 101 and HST 390. Studies European Middle Ages, ca. 500-1500, particularly as women experienced them. Examines the perceptions medieval society fostered about gender; analyzes factors such as social class, work and professional status, legal structures, and sexuality and compares/contrasts their effect on women's and men's lives. 3 Cr.

**HST 445 The High Middle Ages (A).** A Study of the European experience from the First Crusade to the Black Plague, the general crises of the mid-14th Century, and the new institutions of a rapidly expanding European culture. 3 Cr.

**HST 447 Revolutions and Revolutionaries in the Modern World (A).** Investigates the critical role revolutions and revolutionaries have played in shaping the modern world from the late 18th through the 20th century. Using a comparative framework, it interrogates definitions and theories of revolution, explores who historically is attracted to revolutions, examines the historical processes which have converged to realize revolutions, and questions the types of societies, cultures and leaders revolutions have produced. 3 Cr.

**HST 448 The French Revolution (A).** Considers the Revolution's origins in the Old Regime and the Enlightenment before examining its political and cultural development as well as its immediate aftermath in the Napoleonic era and its influence on Europe in the 19th Century. 3 Cr.

**HST 449 Europe in the Twentieth Century (A).** Examines European states' loss of political and economic hegemony in the world as they endured a series of crises - world wars, economic depression, totalitarianism, loss of empires and political, economic, and cultural responses to this decline in the post-World War II era. 3 Cr.

**HST 452 Religion in American Civilization (A).** Historical analysis of the role of religious ideas and movements as they have influenced and shaped the American experience and in turn been influenced by unique features of American life. 3 Cr.

**HST 460 Modern Africa (A,I).** *Cross-listed as AAS 460.* As a course in 20th Century African history, surveys major patterns of pre-colonial Africa and examines the colonial experience and African struggles for independence. Also explores the problem of "development" in post-colonial African states. 3 Cr.

**HST 462 Business, Technology and Culture in Modern Japan (A).** Explores how and why Japan, a late-comer to modernization at the turn of the 20th century, emerged as an industrial power and the world's second-richest nation after 1945. Focuses on the historical development of business, technology, and culture in Japan from 1600 to 2000, giving particular attention to the interplay between technology transfer, ideology, and corporate culture. 3 Cr.

**HST 467 Modern South Asia (A,C).** Surveys the background of South-Asian nations under European colonialism and the movement to independence. Also examines the post-independence problems of the area and the contemporary impact of these nations on the world. 3 Cr.

**HST 470 Consumerism in Europe and the World, 1600-Present (A).** Introduces students to the theory and history of consumerism in Europe, America and globally. Students will read novels, monographs and articles pertaining to the history of shopping, advertising, fashion, globalization, cultural dissemination and effects on workers. 3 Cr.

**HST 487 Asian Survey (A,C).** Surveys Asian cultures through films, slides, lectures, and textbooks. Using a chronological and regional approach, focuses on the unity and diversity of the peoples and cultures of China, South Asia, Southeast Asia, and the Middle East. 3 Cr.

**HST 491 Senior Seminar (A).** Advanced research seminar for senior History majors. Topics vary by instructor. May be offered in conjunction with the Honors program. 3 Cr.

**HST 495 Women, Gender and Class, 1920-1940 (A).** *Cross-listed as WMS 495.* Examines and analyzes US women's experiences in terms of gender, class, and work. Introduces theories of women's and gender history and of gender and class analysis. Seminar format and expects committed student participation. 3 Cr.

**HST 499 Independent Study in History (A).** Arranged in consultation with the instructor-sponsor and in accordance with procedures of the Office of Academic Advisement prior to registration. 1-6 Cr. *Every Semester.*