

## DEPARTMENT OF ENGLISH

**211 Hartwell**  
**(585) 395-2503**

*Chairperson and Professor:* Janie Hinds; *Professor:* Robert J. Gemmett; *Dean of International Programs and Associate Professor:* John J. Perry; *Associate Professors:* Miriam E. Burstein, T. Gregory Garvey, J. Roger Kurtz; *Assistant Professors:* Sharon Allen, Ralph W. Black, Stephen Fellner, Jennifer Haytock, Stephan Jurasinski, Megan Norcia, Joseph Ortiz; *Lecturers:* Jeanne Grinnan, Louis Hillman, Teresa Lehr, Sidney Rosenzweig.

The Department of English offers a wide range of courses in American, British, and world literatures, composition and creative writing— including workshops in poetry, fiction, and creative nonfiction. The English major is tailored for students who wish to pursue a passion for reading and writing, and for those who seek a general education in literary studies as they plan for careers in education, law, business administration, public relations, advertising, or government—indeed, any field where effective use of the English language and critical thinking skills are seen as essential to a broad humanistic perspective. Our majors choose between a literature or creative concentration (outlined below), where their course work is designed to develop both analytical and creative skills. As an alternative, the English minor gives students an opportunity to select courses appropriate to their individual needs and interests. Students majoring or minoring in English must complete at least 50 percent of their course work (18 credits for the major, nine credits for the minor) at SUNY Brockport.

### Major Specialties in English

Students who major in English must select a 36-credit major from one of two options: literature or creative writing.

#### Option 1: Literature

The English Major-Literature focuses on English, American, and world literatures and affords students extensive practice in critical analysis and writing. The Literature track provides strong preparation for elementary and secondary teachers, for professional careers in business and law, and for the further study of literature in graduate school.

**General Guidelines:** Literature courses include the genres of poetry, fiction, film, drama, and the essay. Most majors take about 40–45 credits in English. In selecting their required courses, electives, or other courses beyond the 36-credit minimum, students are encouraged to construct personal concentrations in such areas as: American, British, or world literature; film studies; women writers; modern literature, etc., or to explore the diversity of English studies. Individual courses fulfill only one requirement in the major, and only liberal arts courses (designated by an A) can be used to satisfy the 36-credit minimum requirement.

#### Minimum Course Requirements:

	<b>Credits</b>
ENL 303 Introduction to Literary Analysis (minimum grade of “C”)	3
<b>British Literature</b>	
One course in British Literature before 1800 (Examples: ENL 202 British Literature I, ENL 322 British Novel I, ENL 411 Chaucer, ENL 416 British Renaissance, ENL 417 The Age of Dryden, Pope and Johnson)	3
One course in British Literature after 1800 (Examples: ENL 203 British Literature II, ENL 419 English Romantic Writers, ENL 420 The Victorians and Others, ENL 424 Modern British Literature, ENL 426 Contemporary British Literature, ENL 426 Irish Writers)	3
<b>American Literature</b>	
One course in American Literature before 1900 (Examples: ENL 204 American Literature I, ENL 429 Roots of American Literature, ENL 431 The Transcendental Movement)	3

One course in American Literature after 1900 (Examples: ENL 205 American Literature II, ENL 435 Modern American Poetry, ENL 443 Contemporary American Poetry, ENL 434 American Literature of the Cold War Era)	3
<b>World Literatures and Cultures</b>	6
Two world literature courses, only one of which may be at the 100 level (Examples: ENL 165 International Fiction, ENL 353 The Bible and Modernism, ENL 367 African Novel, ENL 457 Women and Film, ENL 475 Post-Colonial Literature)	
<b>OR</b>	
One world literature course and one British or American literature course which has a significant emphasis on cultural differences (Examples: ENL 235 Introduction to Afro-American Literature, ENL 237 Native-American Literature, ENL 327 Loss of Innocence)	
ENL 315 Shakespeare	3
Linguistics and Language (ENL 450, ENL 451, ENL 455 or ENL 481)	3
Two elective courses in English at the 300/400 level	6
ENL 472 Critical Approaches to Literature (prerequisites: ENL 303 and 9 credits of 300/400 level study in English)	3
<b>Total:</b>	<b>36</b>

**Teacher Certification Students:** Students preparing for teaching in elementary schools are strongly advised to take ENL 305 Advanced Composition and ENL 482 Children's Literature. Students preparing for teaching in secondary schools must take ENL 305 Advanced Composition and ENL 484 Young Adult Literature as electives.

**Preparation for Business, Law and Public Service:** Literature courses which emphasize psychological, social, and verbal analysis provide a solid basis for the type of critical thinking needed in professional positions, while courses in writing, business communications, journalism/publication, etc. provide a solid basis in communication skills central to these areas.

### Option 2: Creative Writing

The English Major-Creative Writing allows students to follow a program of study in English which will enable them to explore their talents and develop their skills in a series of writing courses and related literature courses.

**General Guidelines:** Literature courses include the genres of poetry, fiction, film, drama, and the essay. Most majors take about 40–45 credits in English. In selecting their required courses, electives, or other courses beyond the 36-credit minimum, students are encouraged to construct personal concentrations in such areas as American, British, or world literature; film studies; women writers; modern literature, etc., as well as taking additional courses in writing or literature. Individual courses fulfill only one requirement in the major, and only liberal arts courses (designated by an A) can be used to satisfy the 36-credit minimum requirement.

<b>Minimum Course Requirements:</b>	<b>Credits</b>
ENL 303 Introduction to Literary Analysis (minimum grade of "C")	3
ENL 210 Creative Writing (the prerequisite for ENL 301 and 302)	3
Literature Requirements (one course must be in literature before 1900)	
One course in British Literature	3
One course in American Literature	3
One course in World Literature	3
Workshop Requirements	
ENL 301 Fiction Writers Workshop	3
ENL 302 Poetry Writers Workshop	3
ENL 403 Writers Craft (may be repeated once)	3

One Advanced Writers Workshop (ENL 301 or 302 are prerequisites for the related Advanced Workshops; these 400 level Workshops may be repeated once)	3
ENL 491 Advanced Fiction Writers Workshop	
ENL 492 Advanced Poetry Writers Seminar	
ENL 493 The Creative Essay	
Two elective courses in English at the 300/400 level	6
ENL 472 Critical Approaches to Literature (prerequisites: ENL 303 and nine credits of 300/400 level study in English)	3

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**Total: 36**

**Teacher Certification Students (elementary schools):** Students preparing for *teaching in elementary schools* are strongly advised to take ENL 305 Advanced Composition and ENL 482 Children's Literature.

**Preparation for Business, Law and Public Service:** Literature courses which emphasize psychological, social, and verbal analysis provide a solid basis for the type of critical thinking needed in professional positions, while courses in writing, business communications, journalism/publication, etc. provide a solid basis in communications skills central to these areas.

### Minor in English

The minor in English allows students majoring in other disciplines to construct a program of study in English that will be appropriate to their individual interests and prospective careers.

### English Minor Requirements

The minor requires 18 credits, including ENL 303 Introduction to Literary Analysis with a grade of "C" or better. Of the additional five elective courses (15 credits), at least two must be at the 300 level or above, and only one may be at the 100 level.

Students may wish to construct their individualized English minor around concentrations in such areas as American literature, British literature, film studies, women writers, cultural studies in literature, writing, and modern literature. It is also acceptable to simply choose five electives of interest.

### Student Life

The Writers Forum provides exposure to significant contemporary writers and critics. The English Club offers a variety of activities, including the publication of student writing. Sigma Tau Delta, an international honor society, recognizes significant academic accomplishment. Awards are available for student scholarship, and outstanding literary-critical, fiction, poetry, and non-fiction writing.

### Study Abroad

Study-abroad programs sometimes are available. Information is available in the Office of International Education.

### General Education Requirements

The following courses may be taken to meet the lower-division Humanities (H) requirement:

ENL 165	International Fiction
ENL 166	Literature and Culture
ENL 202	British Literature I
ENL 203	British Literature II
ENL 204	American Literature I
ENL 205	American Literature II
ENL 235	Introduction to African-American Literature
ENL 237	Native-American Literature
ENL 244	Women and Courtly Love

The following courses may be taken to meet the lower-division Comparative Perspectives (C) requirement:

- ENL 237 Native-American Literature
- ENL 353 The Bible and Modernism
- ENL 366 Arabic Culture and the West

The following courses may be taken to meet the Diversity (D) requirement:

- ENL 165 International Fiction
- ENL 166 Literature and Culture
- ENL 204 American Literature I
- ENL 205 American Literature II
- ENL 339 Writings by African-American Women
- ENL 366 Arabic Culture and the West
- ENL 367 African Novel
- ENL 378 Women in American Literature
- ENL 418 Significant Themes in British Literature
- ENL 470 Women's Popular Culture
- ENL 474 Caribbean Literature
- ENL 475 Post-Colonial Literature
- ENL 476 Magical Realism

The following courses may be taken to meet the Western Civilization (G) requirement:

- ENL 163 Literature, Arts, and Western Culture I
- ENL 164 Literature, Arts, and Western Culture II

The following courses may be taken to meet the Contemporary Issues (I) requirement:

- ENL 353 The Bible and Modernism
- ENL 357 Postmodern Culture
- ENL 366 Arabic Culture and the West
- ENL 367 The African Novel
- ENL 378 American Women Writers
- ENL 439 Asian-American Literature
- ENL 457 Women and Film
- ENL 470 Women's Popular Culture
- ENL 475 Postcolonial Literature
- ENL 477 Issues in Science Fiction
- ENL 495 Literature of the Holocaust
- ENL 496 Sex and Censorship in Literature and the Media

The following courses may be taken to meet the Perspectives on Women (W) requirement:

- ENL 205 American Literature II
- ENL 244 Women and Courtly Love
- ENL 339 Writings by African-American Women
- ENL 378 Women Writers in American Literature
- ENL 427 Women in the Novel
- ENL 439 Asian-American Literature
- ENL 441 American Literature: 19th-Century Women's Novel
- ENL 442 Topics in Women's Literature
- ENL 457 Women and Film
- ENL 470 Women's Popular Culture
- ENL 495 Literature of the Holocaust
- ENL 496 Sex and Censorship in Literature and the Media

**Notes:** ENL 112 or equivalent is a prerequisite for any ENL course above 200. Subtitles and contents of topics, seminar, genre, mode, theme, and workshop courses vary by semester. Consult the department for information concerning offerings in any given semester. Each semester the department provides a booklet containing instructors' descriptions of courses they offer. The booklet may be obtained in the department office.

## ENGLISH COURSES

**ENL 102 Fundamentals of College Composition (A).** For students who need practice in expository writing skills. Provides intensive work in writing standard, edited English as preparation for entering ENL 112. *3 Cr. Every Semester.*

**ENL 112 College Composition (A).** *Cross-listed as HON 112.* Emphasizes the development of written discourse with special attention to the writing process. Students generate, revise, and edit several short essays, as well as practice writing in ways that exercise their critical reading and thinking skills. *3 Cr. Every Semester.*

**ENL 163 Literature, the Arts and Western Culture I (A,G,W).** *Cross-listed as HON 209.* Explores how major literary works reflect significant ideas and issues from gender to power politics, from religious beliefs to racist prejudices, from heroism to hedonism, of the times when they were created. *3 Cr.*

**ENL 164 Literature, the Arts and Western Culture II (A,G).** *Cross-listed as HON 215.* Examines the intellectual, economic, and political trends in the arts which contributed to the shape and character of American culture. *3 Cr.*

**ENL 165 International Fiction (A,C,D,H).** Focuses on literary works from various cultures as vehicles for an examination of human nature. Assumes that, despite differences in nationality, race and culture, human beings share similar concerns, values, and attitudes. *3 Cr. Every Semester.*

**ENL 166 Literature and Culture (A,C,D,H).** Examines selected works of literature to illustrate comparative religious, political, scientific, and artistic issues as well as the conflicts inherent in individual, societal, and cultural values. *3 Cr. Every Semester.*

**ENL 200 Art of the Film (A,F).** An introduction to film as an art form combining visual, dramatic, and aural arts. Covers basic film vocabulary, elements of film art, trends in film esthetics, and analysis of style of important selected filmmakers; includes screening of short and feature films. Required for Film Studies minors. *3 Cr. Every Semester.*

**ENL 202 British Literature I (A,H).** Explores works from British literature written between 800 and 1800, including those of such writers as Chaucer, Shakespeare and Milton. Examines various styles, forms, and genres. *3 Cr. Every Semester.*

**ENL 203 British Literature II (A,H).** Explores British literature written from 1800 to the present, including works by writers such as Wordsworth,

Browning, Yeats and Woolf. *3 Cr. Every Semester.*

**ENL 204 American Literature I (A,D,H).** Surveys texts written in or about America prior to the Civil War. May include exploration and captivity narratives, Puritan writing, writing of the American Revolution, and major romantic authors such as Emerson, Fuller, Hawthorne, Melville, Douglass, and Stowe. *3 Cr. Every Semester.*

**ENL 205 American Literature II (A,D,H,W).** Surveys texts written in or about America from the post-Civil War era to the present. Introduces students to literary movements of the period such as realism, modernism, the Harlem Renaissance, the Beat generation, postmodernism, and the rise of ethnic American writing. May include writers such as James, Stein, Hughes, Ginsberg, Pynchon, and Kingston. *3 Cr. Every Semester.*

**ENL 210 Creative Writing (A).** Examines techniques for writing poetry; prose, and/or creative nonfiction and requires students to critique each other's and to revise their own work. *3 Cr. Every Semester.*

**ENL 235 Introduction to Afro-American Literature (A,H).** *Cross-listed as AAS 235.* Provides an introductory survey of the literature of people of African ancestry in the Americas. Acquaints students with major literary figures and significant historical periods. Discusses issues regarding the relationship between the writers and socio-political and cultural movements and of questions concerning the socio-cultural function that the black writer serves for his/her community. *3 Cr. Every Semester.*

**ENL 237 Native-American Literature (A,C,H).** Surveys Native-American voices and visions on issues such as environment, sex roles, and the problems of mixed racial and ethnic people. Uses historical material to define the issues, but with an emphasis on Native-American writings of the 20th century. *3 Cr.*

**ENL 244 Women and Courtly Love (A,H,W).** *Cross-listed as WMS 244.* Studies the roles of women in literature of the courtly love tradition in European and British Middle Ages, and the influence of that literature on sex and gender roles. *3 Cr.*

**ENL 301 Fiction Writers Workshop (A).** *Prerequisite: ENL 210.* Develops mastery of the materials and techniques of writing fiction. Requires students to objectively criticize their own work and the work of others. *3 Cr. Every Semester.*

**ENL 302 Poetry Writers Workshop (A).** *Prerequisite: ENL 210.* Examines the substances and

processes of writing poetry through contemporary study and objective workshop criticism of student writing. *3 Cr. Every Semester.*

**ENL 303 Introduction to Literature Analysis (A).** For English majors and prospective majors. Provides skills needed to understand literature in English. Includes close reading of selected texts and study of literary genres, critical terms, and the relationship between text and context. Provides practice in writing literary analyses. Emphasizes skills of generating, rewriting, and editing the documented critical essay and other nonfiction prose suitable to the needs and future careers of English majors. Majors and minors must earn a "C" or better. *3 Cr. Every Semester.*

**ENL 304 Creative Non-fiction Writer's Workshop (A).** *Prerequisite: ENL 210.* Introduces students to the diverse subgenres of creative nonfiction such as domestic memoir, travel writing, graphic novels, critical reviews among others. Students develop a greater array of formal possibilities and areas of content in their own non-fiction writing. *3 Cr.*

**ENL 305 Advanced Composition (A).** A workshop course. Covers analytical, persuasive, and research writing and introduces advanced writing techniques. Revision is expected. Encourages participants to think critically and solve writing problems creatively. *3 Cr. Every Semester.*

**ENL 308 Business Writing and Computers (B).** Required for business majors. Allows students to expand word processing skills to prepare communications for the business world, including letters, memos, reports, and job applications. Emphasizes editing skills. Cannot be counted for the English major. *3 Cr. Every Semester.*

**ENL 312 Tudor and Stuart Drama (A).** Closely examines plays by men and women in England from 1585-1685 in cultural, historical, and political contexts. Playwrights may include Marlowe, Kyd, Beaumont, Fletcher, Jonson, Webster, Marston, Cary, Ford, Milton, Cavendish, Behn. *3 Cr.*

**ENL 315 Shakespeare (A).** Covers several Shakespeare plays, relating them to their cultural, historical, and political contexts. Play titles vary depending on the instructor. *3 Cr. Every Semester.*

**ENL 322 British Novel I (Before 1800) (A).** Provides a study of the rise and development of the novel as an art form in 18th-century England from the works of Daniel Defoe to the emergence of the Gothic novel. *3 Cr.*

**ENL 327 Loss of Innocence (A).** Surveys American literary periods and literature within their his-

torical, social, and cultural contexts. Focuses on the expansion of literary subjects, issues, and voices, particularly those of minorities. *3 Cr.*

**ENL 331 Modern American Drama (A).** Studies selected plays by 20th-century American authors, using a variety of critical approaches. *3 Cr.*

**ENL 339 Writings by African-American Women (A,D,W).** *Cross-listed as AAS 339, WMS 339.* Surveys literary representations in Afro-American fiction from the Harlem Renaissance to the present. Examines the degree to which sexism, cultural stereotypes and racism influence the portrayals and function of women in black American literature. Explores concerns with women's issues and the emergence of the feminist movement in America. *3 Cr.*

**ENL 350 World Literature I (A).** Explores literatures of the world from antiquity to the early modern world, with considerable attention to texts outside the Western tradition. *3 Cr.*

**ENL 351 World Literature II (A).** Explores literatures of the world since 1700, with a focus on texts outside the British and American literary traditions. *3 Cr.*

**ENL 353 The Bible and Modernism (A,C,I).** Provides an interdisciplinary investigation of controversies surrounding the Bible in the modern world. *3 Cr.*

**ENL 354 Bible as Literature (A).** Provides an extensive examination of the design, moral, ethical and historical significance of the Bible, as well as its major literary forms, including short story, myth, proverbs, psalms, historical narrative and apocrypha. *3 Cr.*

**ENL 355 Classical Mythology (A).** Studies Greek and Roman myths as background for Western culture, literature and fine arts. *3 Cr.*

**ENL 356 World Mythologies (A).** Defines myths as prehistoric, preliterate narratives from an oral tradition and sees these narratives as fundamental in many ways, stemming from the earliest days of human thought, development and civilization. Considers myths from Africa, the Orient, American Indians, Europe and South America. Examines what myths say about death, creation, fertility, and the hero. *3 Cr.*

**ENL 357 Postmodern Culture (A,I).** Explores the interrelationship between various aspects of contemporary culture, especially the cultural influences of technology and the mass media on literature, film, and other arts. Explores how social conditions, changing beliefs about human society, international capitalism, and recent techno-

logical changes have led to changes in culture, lifestyle, even thinking, that can best be described as postmodern. *3 Cr.*

**ENL 366 Arabic Culture and the West (A,C,D,I).** The Middle East is arguably the area of the world that is most volatile and least understood by people from Western cultural backgrounds. Provides an interdisciplinary exploration of perceptions of the cultural “other,” concentrating on cultural products of the Arabic-speaking world. *3 Cr.*

**ENL 367 The African Novel (A,D,I).** *Cross-listed as AAS 367.* Examines major authors and movements in the development of the novel in Africa. Emphasizes the texts themselves, but with attention to their social and historical contexts. *3 Cr.*

**ENL 374 American Novel I (A).** A historical survey of the American novel to 1900, with readings from a number of significant novelists. *3 Cr.*

**ENL 375 American Novel II (A).** Examines selected American novels according to thematic, stylistic, and chronological patterns. *3 Cr.*

**ENL 378 Women Writers in American Literature (A,D,I,W).** *Cross-listed as WMS 378.* Examines the ways in which American women writers address the particular circumstances of women's lives during particular decades. Explores the diversity of women's writing by including the works of best-selling writers, women of color, working-class women, and radical experimentalists. Provides students with an historical, social and cultural context in which to locate various works. *3 Cr.*

**ENL 388 Brockport Career Exploration Course (A).** *Cross-listed as BCE 338.* This course involves students in internships that employ writing, analyzing, researching, explaining, problem solving and/or other skills developed in English courses. Students work closely with Career Services and a faculty sponsor, as well as their internship director. *3 Cr.*

**ENL 395 Introduction to Canadian Literature (A).** Covers the development of Canadian literature in English from 1867 to the present. Emphasizes 20th-century writing throughout Canada, from the Maritimes to British Columbia, and places it within its cultural heritage, which often parallels that of the US. *3 Cr.*

**ENL 402 Poetry: Theory and Practice (A).** Explores issues in contemporary poetic theory, study of selected poets, and close readings of texts. Intended for creative writers and serious readers. *3 Cr.*

**ENL 403 The Writer's Craft (A).** Allows students to meet with the directors of the Writers Forum and guest artists and critics to discuss contemporary literature and the creative process. Contact the department for names of guests set to appear in the semester and other details. May be repeated for credit. *3 Cr. Every Semester.*

**ENL 405 Creative Writing for Teachers (A).** Explores how to stimulate writing and creative response to literature. Examines contemporary literature for models and requires students to develop writing exercises and to produce and discuss individual work. Reviews and analyzes current material on the teaching of creative writing. *3 Cr.*

**ENL 411 Chaucer and his Contemporaries (A).** Examines a variety of works by Chaucer. Emphasizes *The Canterbury Tales*. *3 Cr. Spring.*

**ENL 412 Medieval British Literature (A).** Studies medieval British literature in its principal forms: lyric, drama, allegory, and romance; its antecedents in Old English literature; its influence on 15th-century writers; and its connections to European and Middle Eastern literatures. *3 Cr.*

**ENL 416 The British Renaissance (A).** Provides a study of selected poetry, fiction, criticism, and philosophy by British writers, from More to Milton. *3 Cr.*

**ENL 417 The Age Of Dryden, Pope and Johnson (A).** Covers selected works from British literature written between 1660 and 1800, including samples from Dryden, Congreve, Pope, Swift, Defoe and Johnson. Examines some ways these writers resolve the tensions created by the competing demands of reason, tradition, and the imagination during this period. *3 Cr.*

**ENL 418 Significant Themes in British Literature (A,D).** Studies the relation of British literature to Empire-building and Imperialism, with special focus on texts relating to the “high imperialism” of the late 19th century. *3 Cr.*

**ENL 419 English Romantic Writers (A).** Covers major authors of the Romantic period (from Blake through Keats); examines significant figures in Romantic literature (such as Byronic heroes and Wordsworth's wanderers); and assesses Romanticism as a cultural phenomenon. *3 Cr.*

**ENL 420 Victorians and Others (A).** Examines contributions of the era, such as the writings of Tennyson, Browning, Dickens and others from 1832 to World War I, to the development of British literary thought and artistry. *3 Cr.*

**ENL 421 Seminar in British Writers (A).** Provides a study of significant authors treated singly

or in coherent combinations. Content varies, with appropriate subtitles provided for the individual course. May be repeated for credit with significant change in focus. *3 Cr.*

**ENL 424 Modern British Literature (A).** Studies major British dramatists, poets, and novelists of the 20th century. Usually includes Shaw, Woolf, Lawrence, and Auden. *3 Cr.*

**ENL 425 Contemporary British Literature (A).** Provides a study of major British writers in the later 20th and 21st centuries. Usually includes Amis, Osborne, Pinter, Golding, Lessing, and Ishiguro. *3 Cr.*

**ENL 426 Irish Writers (A).** Covers major contributions of Anglo-Irish authors to literature in English, including selected works of Beckett, Joyce, Synge, and Yeats. *3 Cr.*

**ENL 427 Women in the Novel (A,W).** *Cross-listed as WMS 427.* Provides in-depth examination of select novels, with some touching upon novels from other countries, to consider their thematic forms and functions, their literary significance, and especially what they reveal about the roles of women and attitudes to patriarchy. *3 Cr.*

**ENL 429 Roots of American Literature (A).** Provides an intensive study of texts dealing with America between European contact and 1800. May include European fantasy writing, exploration and captivity narratives, Puritanism, texts of the American Revolution, and the origins of the American novel. May include representative authors such as John Smith, Bradstreet, Rowlandson, Occum, Winthrop, Franklin, Otis Warren, and Brockden Brown. *3 Cr.*

**ENL 430 American Literature: The Romantic Era (A).** Provides an intensive study of the blossoming of American literature in the decades prior to the Civil War. Studies the growth of individualism and its impact on various groups of people by studying Transcendentalism, slave narratives, and women's novels. Features major authors such as Cooper, Dickinson, Melville, and Stowe. *3 Cr.*

**ENL 431 Transcendental Movement (A).** Provides an intensive study of the influential Transcendentalist cultural and intellectual movement and its theories of aesthetics, spirituality, politics, and culture. May include readings from Emerson, Thoreau, Fuller, Parker, Very, as well as important peripheral figures who were influenced by the movement such as Noyes, Garrison, Dickinson, and Whitman. *3 Cr.*

**ENL 432 American Realism (A).** Examines American realism which, with its emphasis on the representation of everyday events and lives,

chronicles the social fabric of late 19th- and early 20th-century America by tackling issues such as industrialization, race relations, women's rights, immigration, and class struggle. May include writers such as James, Chesnutt, Harper, Far, Dreiser, DuBois, and Perkins Gilman. *3 Cr.*

**ENL 433 The Jazz Age to World War II (A).** Study of selected American novelists and poets who deal with the cultural explosion of the period. May include Anderson, Hemingway, Fitzgerald, Faulkner, Steinbeck, Lewis, Eliot, Frost, and others. *3 Cr.*

**ENL 434 American Literature of the Cold War Era (A).** Examines the major literary movements in post-World War II America, paying special attention to the relationship between political, economic, and cultural changes both inside and outside the United States, and American writing. May include writers such as Hersey, Okada, Friedan, Sontag, Mailer, and Ginsberg. *3 Cr.*

**ENL 435 Modern American Poetry (A).** Provides an investigation into the formative period 1910 - 1945 of 20th-century American verse, emphasizing significant figures from Robinson, Lowell, and Frost to Cummings, Stein, and Eliot. *3 Cr.*

**ENL 436 Postmodern American Poetry (A).** Provides an investigation into American verse written after the mid-20th century, emphasizing figures such as Berrymen and Lowell, as well as their contemporaries Plath and Sexton, and significant poets from more recent times. *3 Cr.*

**ENL 437 American Gothic (A).** Starting with Poe, Brockden Brown and Hawthorn, the course traces the evolution of the Gothic to the present day. Includes other writers who've struggled to portray "the power of darkness": Bierce, Gilman, Lovecraft, Faulkner, O'Connor, Oates and Koja. *3 Cr.*

**ENL 438 American Poetry: Bradstreet to Whitman (A).** A survey of American verse from its beginnings to the late 19th century, emphasizing representative poets such as Bradstreet and Whitman. *3 Cr.*

**ENL 439 Asian-American Literature (A,D,I,W).** Explores Asian-American literature and culture both historically and thematically with an emphasis on the development of Asian-American literary voices and identities from the mid-20th century to the present. Includes major works of fiction, poetry, drama, prose, film, and critical and theoretical essays to facilitate discussion. *3 Cr.*

**ENL 440 Literature of the American Family (A,I).** This course will focus on the family, family

interaction, and family problems in modern American literature. Primary and secondary readings in sociology and history will be used to provide a critical perspective on this topic. *3 Cr.*

**ENL 441 American Literature: 19th Century Women's Novel (A,W).** *Cross-listed as WMS 441.* Provides an intensive study of the novel as a form of women's self-representation and cultural criticism. May include novels about family life, anti-slavery and temperance, slave narratives; historical novels; and representations of urban and industrial experience. *3 Cr.*

**ENL 442 Topics in Women's Literature (A,W).** *Cross-listed as WMS 442.* Provides advanced study of women in literature and women's literature, focusing, for example, on some aspect of female lives, such as adolescence; on one or more female authors writing in a shared tradition, genre, or period; or on women writing on a common topic or from perspectives held in common. *3 Cr.*

**ENL 445 American Modernism (A).** Focuses upon writers of the first half of the 20th century who defined American modernism by consciously breaking away from artistic conventions of the 19th century through experimentation in language, form, style and a heightened awareness of writing itself. Writers may include Pound, Stein, Hemingway, Neale Hurston, Hughes, and Faulkner. *3 Cr.*

**ENL 446 American Writers and Travel, 1870-1930 (A).** Provides a study of significant American authors treated singly or in coherent combinations. Content varies, with appropriate subtitles provided. May be repeated for credit with significant change in focus. *3 Cr.*

**ENL 450 Standard English and Its Varieties (A).** Examines the development of Standard English and other varieties from a sociolinguistic, historical perspective. Provides a study of language acquisition, regional and social dialects, and the distinction between grammar and usage. Includes practice in and testing of contemporary usage. *3 Cr. Every Semester.*

**ENL 451 Linguistics (A).** *Prerequisite: Junior or senior status.* Provides a study of phonology, morphology, syntax, semantics, and sociolinguistics. *3 Cr.*

**ENL 455 Sociolinguistics (A).** *Prerequisite: Junior or senior status.* Provides a study of language in social context. Analyzes problems in social dialects and communications, jargons, slang, bilingualism and language of social conflict. *3 Cr.*

**ENL 457 Women and Film (A,I,W).** *Cross-listed as WMS 457.* Focuses on films by women. Considers the following questions: Have women filmmakers depicted the world differently from "dominant" cinema? What possibilities exist for forms of "feminine" film discourse that are truly different from

dominant film discourse? What has been the history of women filmmakers? How many of these women have indeed tried to speak a different "language"? *3 Cr.*

**ENL 458 Great American Film Actors: Selected Topics (A).** Closely studies great actors of American film who have lent their unique talents to film tradition and analyzes the artistic, social, personal, and cultural aspects of these actors and their careers. Focus and actors selected may vary, but may not be repeated for credit. *3 Cr.*

**ENL 460 Great American Film Directors (A).** Using various critical perspectives, provides an in-depth study of major films of selected American film directors—Hitchcock, Capra, Welles. Specific focus shown by subtitle. May be repeated for credit with significant change in focus. *3 Cr.*

**ENL 462 Selected Topics in Film (A).** Explores significant themes and/or eras in film, for example: films of the 1950s, romantic couples, musicals, detective and western films, and film noir in cultural context. Specific topics shown by subtitle. May be repeated for credit with significant change in topic. *3 Cr.*

**ENL 463 Great International Film Directors (A).** Using a variety of critical perspectives, provides for an in-depth study of major films of selected international film directors. Normally focuses on two or three directors such as Fellini, Ingmar Bergman, Truffaut, Renoir, Eisenstein, Sagawa, and others. Specific focus shown by subtitle; may be repeated for credit with significant change in focus. *3 Cr.*

**ENL 464 The Film Star (A).** Focuses on the contribution of the actor to the film, differences between acting for silent and for sound films, and differences in acting on stage and in film. Screens films and provides for discussion. *3 Cr.*

**ENL 465 American Film Comedy (A).** Surveys the development of American comic style in film from the silent era to today. Requires screenings of films from Sennett's "Keystone" slapstick to Allen's cerebral comedy. Explores the function(s) of comedy, the theory of laughter, comic visions of America, and personal style vs. genre in comedy. *3 Cr.*

**ENL 466 Studies in Literary Modes (A).** Provides a study of an important literary mode through reading, analysis, and creation of selected works within selected mode. *3 Cr.*

**ENL 467 Tragedy as a Genre (A).** Investigates tragedy as both a literary genre and a way of interpreting the world. Considers both personal and cosmic aspects of tragedy in literary works from differing eras and cultures. *3 Cr.*

**ENL 470 Women's Popular Culture (A,D,I,W).**

*Cross-listed as WMS 470.* Explores women's popular culture to engender a cultural analysis. Considers such questions as how women's popular culture responds to women's psychosocial needs and how it functions within the dominant culture. Examines samples of the fiction and films that represent 20<sup>th</sup>-century American women's popular culture. 3 Cr.

**ENL 472 Critical Approaches to Literature (A).**

*Prerequisite: ENL 303 and nine credits of 300/400 level literature courses.* Analyzes literary texts in terms of form and content. Requires students to write papers of analysis from at least three literary perspectives, classify and describe perspectives of various critics, and define critical terms. 3 Cr. *Every Semester.*

**ENL 474 Caribbean Literature (A,W).**

Surveys 20th century literature from the Caribbean, including drama, poetry and narrative. Includes Anglophone writers as well as non-English works in translation. Examines literature in the context of historical and cultural issues such as the nature of Caribbean identity, the role of language, and the reconstruction of history. 3 Cr.

**ENL 475 Postcolonial Literature (A,D,I).**

Surveys some of the most lively literature from areas of the world that were formerly European colonies: the Caribbean, Africa, and South Asia in particular. Introduces what is sometimes called the "post-Colonial condition," exploring what it is and how writers have responded to it. 3 Cr.

**ENL 476 Magical Realism (A,D).**

Introduces the important 20th-century literary movement known as magical realism. Examines its roots in Latin America as well as its adoption in other locations, with particular attention to the historical context in each case. 3 Cr.

**ENL 477 Issues in Science Fiction (A,I).**

Covers significant developments in the history of speculative and science fiction. Explores major themes such as sex, science and prejudice. Includes representative authors such as Wells, Asimov, Heinlein and Le Guin. 3 Cr.

**ENL 478 Seminar in World Literature (A,D,I).**

Provides a study of significant authors or topics in world literature (i.e., other than British/American). Content varies, with appropriate subtitles for each individual course. May be repeated for credit with significant change in topic and content. 3 Cr.

**ENL 481 English Grammar (A).**

Provides a study of a variety of options writers have in applying transformational rules when they generate sentences. Also provides appropriate terminology for grammatical form and function. Introduces con-

temporary grammatical theories and analyzes passages of prose and poetry to illustrate the relationship between rhetoric and syntactic choice. 3 Cr.

**ENL 482 Children's Literature (A).**

Explores the conventions of children's literature; development of genres of children's literature; and biographical, bibliographical and critical resources in the field. 3 Cr. *Every Semester.*

**ENL 484 Young Adult Literature (A).**

Examines the needs of the young adult reader. Surveys genre literature as well as literature in content areas. 3 Cr. *Every Semester.*

**ENL 491 Advanced Fiction Writers Workshop (A).**

*Prerequisite: ENL 301.* Focuses on the writing of fiction and the applied criticism of fiction. Requires students to bring manuscript to a polished state of form, style and content. May be repeated for credit. 3 Cr.

**ENL 492 Advanced Poetry Writers Seminar (A).**

*Prerequisite: ENL 302.* Focuses on original poetry writing and applied criticism. Requires intensive critical discussion, revision, and some consideration of work by selected contemporaries. May be repeated for credit. 3 Cr.

**ENL 493 The Creative Essay (A).**

Primarily a writing course in which students "workshop" essays. Explores the historical evolution of the essay and its new forms. Requires students to read a variety of essays and create their own. May be repeated for credit. 3 Cr.

**ENL 495 Literature of the Holocaust (A,I,W).**

*Prerequisite: Instructor's permission.* Provides for readings and discussions concerning Hitler's attempted destruction of the European Jews, both fiction and non-fiction, including the work of survivors and victims. Incorporates esthetic, moral, and political perspectives, with special emphasis on the relevance for our time. 3 Cr.

**ENL 496 Sex and Censorship in Literature and the Media (A,I,W).**

*Cross-listed as WMS 496.* Considers the expression of sexual themes—and censorship of them—in contemporary literature, film and media. Includes topics such as the erotic in art, definitions of pornography and obscenity, evolution of censorship standards and practices, the Hollywood Code, the US Commission on Obscenity and Pornography (1970) and its critics, and recent feminist perspectives. 3 Cr.

**ENL 499 Independent Study in English (A).**

To be defined in consultation with the instructor-sponsor in accordance with the procedures of the Office of Academic Advisement prior to registration.

1-3 Cr.

## ENVIRONMENTAL SCIENCE AND BIOLOGY

105 Lennon Hall

(585) 395-5975

E-mail: [jhaynes@brockport.edu](mailto:jhaynes@brockport.edu)

*Chairperson and Professor:* James M. Haynes; *Distinguished Service Professor:* Joseph C. Makarewicz; *Professor:* Christopher J. Norment; *Assistant Professor:* Mark D. Norris; *Instructional Support Associate:* Hilary L. Richardson; *Environmental Science Program Faculty:* Whitney J. Autin, Jose A. Maliekal, Judy A. Massare, Mark R. Noll, Paul L. Richards, Stephen W. Weinbeck, James A. Zollweg (Earth Sciences); Mark P. Heitz, Markus M. Hoffmann, Thomas W. Kallen, Margaret E. Logan, J. Emory Morris, Kenneth D. Schlecht (Chemistry); James M. Valenti (Criminal Justice); *Adjunct Faculty:* Theodore W. Lewis, Research Associate and Charles P. O'Neill (New York Sea Grant Institute).

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 our air, water, and soil, and produce the biological and other resources upon which humans depend. Ecology is the study of animals, plants and other living organisms and their interactions with the physical and chemical environment. Through a curriculum with a common core and a focused track, environmental science majors develop conceptual and technical knowledge and skills for using the disciplines of 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 located 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 (see below). Contact the department secretary in 105 Lennon Hall, (585)395-5975, for information and for an appointment with the department chairperson to set up an individual course of study.

### 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).

### Core Courses (required of all majors)

Fall Semester			Credits	Spring Semester			Credits
ENV	202	Environmental Science	4	ENV	202	Environmental Science	4
ENV	111	Principles of Biology	4	ENV	111	Principles of Biology	4
ENV	303	Ecology	4	ENV	303	Ecology	4
CRJ	440	Environmental Law	3	CRJ	440	Environmental Law	3
ESC	211	Meteorology	4	ESC	211	Meteorology	4
CHM	205	College Chemistry I	4	CHM	206	College Chemistry II	4
GEL	201	Physical Geology	4	CHM	303	Analytical Chemistry	4
^*MTH	201	Calculus I	3	^*MTH	201	Calculus I	3
*ESC	350	Computational Methods	3	*ESC	350	Computational Methods	3
				*ENV	437	Biological Investigation and Data Interpretation	3

^Required for environmental chemistry track

\*Other tracks: choose one

**Total Core Credits: 38**

**Concentrations (required, elective or co-requisite courses)**

Aquatic Ecology/Biology	20	4
Terrestrial Ecology/Biology	20	4
Environmental Chemistry	21	14
Earth Sciences	20	4

**Total Concentration Credits:****20-21****4-14****Required/Elective Corequisite****Concentration in Aquatic Ecology/Biology****Fall Semester****Credits****Spring Semester****Credits***Required courses:*

ENV 419 Limnology	3
ENV 421 Limnology Laboratory	2

*15 credits chosen by advisement from:*

ENV 319 Biol. Oceanography	3
ENV 457 Marine Biology—Bahamas	3
ENV 488 Environmental Impact Analysis (summer)	[4-6]
ENV 490 Fishery Techniques and Fish Identification	2
ENV 498 Collaborative Research	[1-3]

ESC 325 Wetland Systems	3
ESC 412 Hydrology	4

*Co-requisite course:*

CHM 305 Organic Chemistry I	4
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ENV 422 Population Biology	3
ENV 423 Pollution Biology	3
ENV 436 Water Quality Analysis	4
ENV 437 Biological Investigation and Data Interpretation (if taken in core, will not be counted here)	3
ENV 498 Collaborative Research	[1-3]
ENV 439 Conservation Biology	3
ENV 483 Aquatic Invertebrates	4
ENV 484 Fish Ecology	3
GEL 462 Groundwater	4

**Concentration in Terrestrial Ecology/Biology****Fall Semester****Credits****Spring Semester****Credits***20 credits chosen by advisement from:*

ENV 400 Plant Diversity	4
ENV 405 Plant Ecology	4
ENV 406 Wildlife Ecology	4
ENV 427 Animal Behavior	3
ENV 459 Mammalogy	4
ENV 488 Environmental Impact Analysis (summer)	[4-6]
ENV 498 Collaborative Research	[1-3]
ENV 325 Wetland Systems	3
ESC 455 Soils Science	4

*Co-requisite course:*

CHM 305 Organic Chemistry I	4
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ENV 422 Population Biology	3
ENV 423 Pollution Biology	3
ENV 430 Ornithology	4
ENV 437 Biological Investigation and Data Interpretation (if taken in core, will not be counted here)	3
ENV 439 Conservation Biology	3
ENV 440 Herpetology	4
ENV 477 Field Biology (summer)	4
ENV 498 Collaborative Research	[1-3]
ESC 313 Environmental Climatology	3
ESC 431 Environmental Applications of Geographic Information Systems	4

**Concentration in Environmental Chemistry****Fall Semester****Credits****Spring Semester****Credits***Required Courses (21 credits)*

CHM 301 Chemical Safety	1
CHM 305 Organic Chemistry I	4
CHM 400 Chemistry Seminar	1
CHM 405 Physical Chemistry I	3

CHM 306 Organic Chemistry II	4
CHM 401 Chemistry Seminar	1
CHM 406 Physical Chemistry II	3
CHM 457 Geochemistry	4

*Co-requisite courses (14 credits)*

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

*Elective Courses (one is required)*

CHM 408	Physical Methods Lab I	1	CHM409	Physical Methods Lab II	1
ENV 488	Environmental Impact Analysis (summer)	[4-6]	ENV 436	Water Quality Analysis	4
ENV 498	Collaborative Research	[1-3]	ENV 498	Collaborative Research	[1-3]

**Concentration in the Earth Sciences****Fall Semester***20 credits chosen by advisement from:*

		Credits
ENV 419	Limnology	3
ENV 421	Limnology Laboratory	2
ENV 488	Environmental Impact Analysis (summer)	[4-6]
ENV 498	Collaborative Research	[1-3]
ESC 325	Wetland Systems	3
ESC 350	Computational Methods (if taken in core, will not be counted here)	3
ESC 412	Hydrology	4
ESC 455	Soils Science	3
ESC 464	Environmental Internship	[1-3]
GEL 415	Geomorphology	4

*Co-requisite courses (one of the following):*

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

**Spring Semester****Credits**

ENV 436	Water Quality Analysis	4
ENV 498	Collaborative Research	[1-3]
ESC 313	Environ. Climatology	3
ESC 314	Climatology Lab	1
ESC 350	Computational Methods (if taken in core, will not be counted here)	3
ESC 418	Watershed Sciences	3
ESC 421	Air Pollution Meteorology	3
ESC 420	Atmos. Sensing Methods	3
ESC 431	Environmental Applications of Geographic Information Systems	4
ESC 464	Environmental Internship	[1-3]
GEL 457	Geochemistry	4
GEL 462	Groundwater	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 chairperson.

*Required courses:*

		Credits
ENV 202	Environmental Science	4
ENV 303	Ecology	4
CRJ 440	Environmental Law	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
CRJ 440	Environmental Law	3

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

CHM 372	Environmental Issues	3
GEL 362	Energy and Mineral Resources Issues	3
HST 407	American Environmental History	3
PLS 466	Environmental Politics	3

## ENVIRONMENTAL SCIENCE AND BIOLOGY COURSES

**ENV 111 Principles of Biology (A,L).** *Cross-listed as BIO 111. Open to non-majors. Required for environmental science majors.* Through lectures and laboratory activities, examines the structure and function of living systems from cells to the biosphere as a whole. *4 Cr. Every Semester.*

**ENV 201 Environmental Science (A,N).** *Non-majors only.* Environmental science is an interdisciplinary study 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 study 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 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. Every Semester.*

**ENV 316 Eco-citizenship (A,I).** *Prerequisite: Junior or senior status.* Addresses questions such as: What scientific principles determine how humans can and cannot use the environment? What are the critical environmental problems in the US and the world? How can people act individually and collectively to solve environmental problems? Includes an environmental action project. *3 Cr.*

**ENV 319 Biological Oceanography (A).** *Cross-listed as ESC 319.* Review of the ocean's 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 scientific study of plant taxonomy. Lecture topics include plant morphology and ecological adaptations, reproductive biology, evolutionary history, and principles of plant classification. Laboratories and field work survey the diversity of plants and teach the use of technical keys for plant identifications. *4 Cr. Even Fall*

**ENV 405 Plant Ecology (A).** *Prerequisite: ENV 303.* Introduction to the scientific study of plant ecology. Topics include population and community dynamics, evolution of life history traits, physiological responses to environmental stresses, plant-animal interactions, and the role of vegetation in ecosystem processes. Field and laboratory studies explore experimental and analytical techniques used 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).** *Prerequisite:* ENV 400 or 405. Reviews 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 422 Population Biology (A).** *Prerequisite:* ENV 303. Introduction to the scientific study of populations. Explores the evolution and functioning of populations, including genetics, growth and regulations, life tables, the exclusion principle, predator-prey theory, species equilibrium theory, and human population growth. 3 Cr.

**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. Toxicity testing techniques and data analysis are explored. 3 Cr. Odd Spring.

**ENV 425 Practical Field Biology and Laboratory Pedagogy (B).** *Cross-listed as BIO 425. Prerequisite:* Junior or senior status. Required for students working toward teacher certification in secondary biology and general science. Students develop preparation notes and materials for laboratory and field exercises, and gain hand-on experience in the practical aspects of laboratory and field instruction. Does not satisfy major requirements. Enrollment is with the department chairperson. Students work with a selected faculty member. 3 Cr. Every Semester

**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. Fall.

**ENV 430 Ornithology (A).** *Prerequisite:* ENV 303. Introduction to the scientific study of birds. Explores their form, function, ecology, and evolution. Topics includes 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 autoanalyser, 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 Biological Investigation and Data Interpretation (A).** *Cross-listed as BIO 437. Prerequisite:* ENV 303. Introduction to descriptive statistics, data interpretation, parametric and non-parametric two- and multi-sample tests, linear regression, and hypothesis formulation and testing. 3 Cr. Spring.

**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. Spring.

**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 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 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. *4 Cr. Odd 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 inver-

tebrate 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 (A).** *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. Even 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.*

## 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, Communication, English and History and bring a variety of experience and perspectives to the study of film.

Students interested in the film studies program should contact Department of English Chair Janie Hinds, 211 Hartwell Hall, (585) 395-2503, or [jhinds@brockport.edu](mailto:jhinds@brockport.edu).

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

Courses		Credits
ENL 200	The Art of the Film	3
FLM 301	Theory and Criticism of Film (Offered as Directed Study)	1-3
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: 16</b>

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

**103A Tower Fine Arts Building  
(585) 395-2269**

*Chairperson and Professor:* Patricia J. Siegel; *Professor:* Joseph Siracusa; *Associate Professors:* Andrea Parada, Victor J. Rojas, Donna Wilkerson-Barker; *Assistant Professors:* Ester Marion, Janine Santiago.

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, developing cross-cultural understanding and preparing students to enter the global marketplace.

### Careers

Foreign language majors enter the teaching field and many other professions. A second major or a minor in a foreign language is of great use in the humanities, fine arts and social and natural sciences. 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 Language Course Offerings

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 (see below for details for French and Spanish majors/minors).

Basic courses in American Sign Language, Arabic, Chinese, Italian, Japanese and Russian are also offered.

Civilization and literature courses are offered only in French and Spanish.

Culture courses in English (FCE), satisfy a College-wide requirement in the area of intercultural studies and general education.

### Foreign Language Requirements for General Education and Other Programs (BA degree candidates, teacher certification, international studies and international business majors).

Currently, all students are required to take one semester (Beginning I or 111) of a foreign language for General Education. Students may meet the requirement in one of the following ways:

- a score of 85 or higher on the third-year foreign language Regents exam
- a score of 3 or higher on an AP exam in foreign language
- a score of 50 percent or higher on a CLEP exam in foreign language
- student has received college-level transfer credit in any foreign language
- student successfully places above the 111 level on a departmentally administered placement test
- student enrolls in a course
- student successfully completes a course of study abroad of at least five weeks duration and in a language that is deemed acceptable to meet the requirement for General Education.

Students pursuing a bachelor of arts, or a major in international studies or international business are required to demonstrate competency in at least one foreign language. This competency can be demonstrated by successful completion of the intermediate II level (212) of college language instruction or a more advanced course.

Teacher certification candidates are also required to demonstrate competency in a foreign language. Successful completion of the beginner II level (112) of college language instruction or a more advanced course will meet the requirement.

### **Placement Testing and Placement in Lower-division Language Courses**

Students who would like to continue study of the language they took in high school are required to take a placement test before they enroll in that language course at the Beginner I (111) level. Please note: students who meet 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 since they are considered to have fulfilled that level. Students may audit the 111 course with the permission of the instructor if necessary.

For language courses beyond the 111 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 1-2 years of high school language.
- Course 211 is open to students with 2-3 years of high school language.
- Course 212 is open to students with 3-4 years of high school language.

For more information related to foreign language requirements, waiver procedures, and current test schedules, consult the departmental home page on the Internet at <http://www.brockport.edu/~forelang/index.html>.

### **Language Laboratories**

A language media center with equipment for use with a variety of instructional software is housed in 110 Tower Fine Arts Center.

### **Study Abroad**

The department sponsors semester-abroad and/or summer programs in Tours, France; Cuernavaca, Mexico; and San Jose, Costa Rica. A new program in Puerto Rico is being developed. 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.

### **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.

Such credit and/or waivers will not reduce the number of credits required in course work for the major. For information on credit by exam at the upper-division level, please contact the department.

### **Awards for Students Sponsored by the Department**

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. He or she is selected on the basis of grade point average, grades in the foreign language major, and strengths in other subjects.

### **Teacher Certification Program**

Students interested in specific requirements in the teacher certification program should consult the members of the Department of Education and Human Development. 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.