

EDU-4830 Music Student Teaching **12 credits**
Prerequisite: Overall GPA of 3.0 or higher, successful completion of Praxis I exam, EDU 2040, EDU 2170, EDU 2110, EDU 3020, EDU 3240, MUS 3160, and MUS 3210 (with a grade of B- or higher in each), signature of approval from student teacher coordinator. The full-semester course involves full-time student teaching in music and participation in frequent seminars which focus on techniques, materials and technology pertinent to teaching music in an elementary school.

EDU-4835 Physical Education Practicum (Formally PED-4830) **12 credits**
Prerequisite: EDU-2040 and/or EDU-2170, EDU-3120 and/or PED-3140, and EDU-2110, 3020, 3240 with grades of B- or higher, junior class standing, signature of approval from student teacher coordinator, 60 clock hours of field experience, overall GPA of 3.0 or better and successful completion of Praxis I exam. Beginning October, 2004, students applying for initial licensure must also pass Praxis II before doing their practicum. This course offers a full-time teaching placement in a public or private K-12 school under the supervision of an experienced physical educator. Students will apply principles, techniques and technology appropriate to the physical education classroom. (Shared course in VSC)

EDU-4850 Secondary Education Student Teaching **12 credits**
Prerequisite: Overall GPA of 3.0 or higher, successful completion of Praxis I, EDU 2170, EDU 2110, EDU 3020, EDU 3240 and a methods course in the appropriate content area (each with a grade of B- or higher), signature of approval from student teacher coordinator. Students spend a full semester in a secondary classroom setting, gradually increasing their involvement, and culminating in a period of full-time teaching under the direction of a cooperating teacher. Practical application of teaching principles, knowledge, and understanding of adolescents is involved. (Shared course in VSC)

English (ENG)

ENG-1005 College Reading **3 credits**
Prerequisite: None.
This course is designed to teach critical reading skills applicable to course work in many fields. Students will learn how to recognize the essential points in a piece of reading, as well as how to discern the writer's tone and how to evaluate the relevance of supporting information. They will learn to ask questions about what they read, rather than taking what appears in print on faith. Though this course is not intended to be a speed reading course or a remedial course for serious deficits in reading skills, students who successfully complete this course will be more comfortable and fluent with a variety of texts and better prepared for further college work.

ENG-1031/1032 College Writing 1A and 1B **3 credits each**
Prerequisite: Must take ENG-1031 before ENG-1032.
These courses, which must be taken in sequence, cover the material of ENG-1051. Students must earn a grade of C- or better in ENG-1031 in order to enroll in ENG-1032. If the sequence is completed, students earn 6 credits towards graduation.

ENG-1051 College Writing **3 credits**
Prerequisite: PLE-0003 or ENG-0041.
This course emphasizes the writing of narrative, descriptive, and analytic essays developed around a central thesis. The construction of coherent, well-organized paragraphs, as well as standard punctuation, usage, grammar, and spelling, receive special attention. (Shared course in VSC)

ENG-1052 Exposition and Analysis **3 credits**
Prerequisite: PLE-0004 or ENG-1051 or ENG-1031/1032.
This course addresses the writing of analytic essays, focusing on the structure of persuasive writing, the appropriate consideration of audience, and the development of style. The course culminates in a research paper. Note: JSC students must take the Writing Proficiency Exam while enrolled in Exposition and Analysis to get a grade for the course. (Shared course in VSC)

ENG-1070 Effective Speaking **3 credits**
Prerequisite: None. Recommended: ENG-1052.
Students prepare and deliver short speeches, practicing how to choose, limit, and arrange what they say according to their audience and purpose, and to use visual aids and cite sources appropriately. (Shared course in VSC)

ENG-1220 Rhetorical Expression **3 credits**
(available through EDP)
Prerequisite: None.
Through intensive practice with short essays and close instruction, students in this course enhance their skills in written expression. They become more effective and comfortable with the writing process, use of good mechanics and precise language, development of a natural style, and standard rhetorical forms and strategies. Successful completion of this course satisfies the JSC Writing Proficiency requirement. (Open only to EDP students. Pass/fail only.)

ENG-1310 Introduction to Literature **3 credits**
Prerequisite: None.
An examination of poetry, fiction, and drama, emphasizing key literary concepts and techniques, including plot, theme, character, point of view, and prosody. (Shared course in VSC)

- ENG-1330 Language of Film** **3 credits**
 Prerequisite: Open to freshmen only
 Just as learning a foreign language requires a sensibility for rules and structure, effective communication using film & video requires an understanding of the filmic conventions that have grown up through the past 100 years of film history. Understanding these conventions is especially important as changes in computer technology bring the tools for video creation to the PC desktop. Students and workers of today will see unprecedented opportunity for video “expression” in both their academic and professional careers.
- ENG-1360 DYSTOPIA: Cautionary Tales of a Nightmarish Future** **3 credits**
 Prerequisite: Open to freshmen only
 Probing basic questions of human nature and society, dystopian (the worst of all possible worlds) literature and film reveal anxieties that remain chillingly applicable today. We will explore such issues as the self, alienation, freedom, complicity, citizenship, love, faith, sex, technology, and happiness through a variety of novels and films.
- ENG-2005 The Self-Sufficient Writer** **3 credits**
 Prerequisite: Failure of the Writing Proficiency Exam.
 This three-credit course is intended to replace the Writing Proficiency Portfolio, and is the means by which students who have failed the Writing Proficiency Exam may satisfy the last element of the Core Curriculum in writing. As with the Writing Proficiency Exam, the emphasis of the course is the writing of extemporaneous persuasive essays in edited standard American English, without help from instructors or software-based spelling and grammar aids. Students will be expected to write in-class essays that state a clear thesis and develop that central idea concretely, logically, and correctly. Class time will be spent reviewing and cultivating the wide range of skills necessary to prepare students for the writing of analytic essays with a minimum of errors and without assistance from the instructor: review of and quizzes over the rules of grammar, punctuation, spelling, and usage; editing passages and dictation exercises; peer teaching; and every week, in-class writing.
- ENG-2051 Introduction to Newswriting** **3 credits**
 Prerequisite: Previous or concurrent enrollment in ENG-1061 or the equivalent.
 The basics of news-gathering and news-writing are taught with an emphasis on writing for a daily newspaper. Students are expected to participate as staff members of the College newspaper by gathering news, writing stories, editing stories and designing pages. The course also covers some aspects of the history of journalism and aids students in developing news judgment and exercising journalistic ethics.
- ENG-2052 Newspaper Publishing: Writing, Editing, Layout, and Design** **3 credits**
 Prerequisite: ENG-1052 and ENG-2051.
 This course will focus on editing the campus newspaper. The students will comprise the newspaper editorial staff. They will assign stories and photography, write news stories, columns and editorials, and learn layout (desk-top publishing). In addition, some of the class will be designated to handle the business end of publication: advertising sales, budget, and acquisition of supplies and equipment. This is a hands-on class required of all journalism majors and open to all majors.
- ENG-2101 Creative Writing** **3 credits**
 Prerequisite: ENG-1051, ENG-1060, ENG-1061, ENG-1062, or ENG-2270
 Students analyze and practice the techniques of poetry and prose fiction. In poetry, students work with imagery, metaphor, tone, and diction, and experiment with traditional and contemporary verse forms. In prose fiction, students work with plot, setting, point of view, and characterization. (Not repeatable for credit.) (Shared course in VSC)
- ENG-2171/2172 World Literature I, II** **3 Credits**
 Prerequisite: None. May be taken in sequence or separately.
 The course introduces students to fiction, poetry, essays and drama in translation, mainly from the European tradition, but also including works from the Near and Far East and Latin America. World Literature I focuses on work by Homer, the Greek dramatist, Biblical and Buddhist writers, and the Chinese poet Tu Fu. Major figures in World Literature II include Dante, Rumi, Chekhov, Kafka and Neruda. Each work is looked at in its cultural context, though common themes and ideas are also examined.
- ENG-2281/2282 Survey of English Literature I, II** **3 credits**
 Prerequisite: None. May be taken in sequence or separately.
 These two courses focus on representative works by writers from the British Isles and provide students with an historical perspective from which to study the development of major genres and themes in the English literary tradition. ENG-2281 begins with Beowulf and Old English literature, proceeds through the Middle Ages, focusing on Chaucer, explores representative literature from the Age of Elizabeth, including Shakespeare, and ends with Milton and Paradise Lost. ENG- 2282 begins in the Age of Reason with Swift and Pope, surveys selections from Romantic and Victorian writers such as Wordsworth, Keats, Browning and Arnold, and ends in an exploration of Modernism focusing on such writers as Eliot, Joyce and Woolf.
- ENG-2321/2322 Survey of American Literature I, II** **3 credits**
 Prerequisite: None. May be taken in sequence or separately.
 These two courses survey the American tradition of literature from the early colonial period to the present. Focus is on major figures and on genres such as diaries, journals, poetry, essays and fiction. The first semester considers Winthrop, Bradstreet, Taylor, Edwards and Franklin in the 17th and 18th centuries and Emerson, Poe, Thoreau, Melville, Dickinson and Whitman as major 19th century writers. The focus of the second semester, which may be taken without taking ENG-2321, extends from the late 19th century through the first half of the 20th and includes such writers as Twain, James, Crane, Frost, Eliot, Hemingway, Faulkner and Stevens.

- ENG-2323 1492: Reading the Conquest** **3 credits**
 Prerequisite: Open only to freshmen
 This first-year seminar will examine early literary responses to the conquest of the New World. Themes include the sense of wonder and curiosity catalyzed by the epochal encounters begun in 1492; the meanings of these journeys, discoveries, and conquests; ideas about the natural (were the Americas and their inhabitants paradisiacal or savage?); and the significance of the conquest for us today. It is hoped students will share the sense of awe expressed by our authors at the marvels they encountered during their various sojourns. This course is also designed as a beneficial introduction to college life including research, balancing your schedule, learning how to learn, making use of campus resources and developing successful study skills.
- ENG-2355 Tradition and Identity in Contemporary Literature** **3 credits**
 Prerequisite: None
 This course is designed to investigate the influence of the past on the present, especially as this influence affects individual identity, purpose, and fulfillment. Our focus will be on people's responses to family contemporary essays, autobiography, and fiction, and on our own examination of the past and its influence in our lives. Whenever we identify who we are, we make choices: What do we want or need to emphasize about ourselves? How will people respond to what they learn about us? Will our freedom and control (both short- and long-term) be enhanced or constrained as a result? What combination of skills, influences, insights, and effort will give us the best chance of meeting life on its own terms and making the most of it and of ourselves?
- ENG-2510 Women and Literature** **3 credits**
 Prerequisite: None.
 A culturally diverse survey of fiction and poetry by women authors that explores women as characters and the condition of women in the world. (Shared course in VSC)
- ENG-2810/4810 Internship** **1-12 credits**
- ENG-2910/4910 Independent Study in English** **1-12 credits**
- ENG-3020 Feature Writing** **3 credits**
 Prerequisite: ENG-1052.
 An advanced course in the preparation and production of feature articles and essays. The course includes close examination of contemporary features writing in both national and regional newspapers and magazines. Opportunities for the publication of student work in this course may be available in the College newspaper and other College publications.
- ENG-3022 Advanced Newspaper Publishing: Writing, Editing, Layout, and Design** **3 credits**
 Prerequisite: ENG-2052
 This class is available to students who have taken ENG-2052 and choose to return to the newspaper staff a second semester. Their responsibilities include more page layout, more investigative reporting, and more line editing and rewriting. (Repeatable for credit)
- ENG-3120 Poetry Workshop** **3 credits**
 Prerequisite: ENG-2101 or permission of the instructor.
 Student poems serve as the basis and focus of this advanced writing workshop. Intensive and extensive writing is expected, and revisions of poems are required. Students also study the poetry and poetic theory of contemporary writers to discover how their work fits into the contemporary poetic tradition. (Repeatable for credit)
- ENG-3130 Fiction Workshop** **3 credits**
 Prerequisite: ENG-2101 or permission of instructor.
 This upper-level course concentrates on the short story. Weekly class discussion ranges from critiquing fellow students' work to examining work by professional writers. Students write at least three full-length stories by the end of the semester. (Repeatable for credit)
- ENG-3140 The Creative Essay** **3 credits**
 Prerequisite: ENG-2101, ENG-2051, or permission of instructor.
 The essay as creative non-fiction is analyzed as a model for students, and emphasis is placed on helping students to frame eloquent and artistic prose. Students write essays as well as study classic essays from academic and popular writing. The goal of the course is to encourage and assist students to become writers of essays that move readers as well as inform. (Spring semesters, even years)
- ENG-3270 Myth and Myth Making** **3 credits**
 Prerequisite: ENG-1052 and ENG-1310 or ENG-2171 or ENG-2172 or ENG-2281 or ENG-2282 or ENG-2321 or ENG-2322 or ENG-2510. An interdisciplinary, team-taught inquiry which provides an overview of myth and the myth-making process, this course focuses especially on quest myths and on myths concerning sacrifice, death and rebirth. Though most myths read will be Greek, students will also be encouraged to explore Native American and other mythologies. The course will emphasize the ways myth has been used by dramatists, poets and visual artists. (Spring semesters, even years)
- ENG-3320 English Novel** **3 credits**
 Prerequisite: ENG-1052 and ENG-1310 or ENG-2171 or ENG-2172 or ENG-2281 or ENG-2282 or ENG-2321 or ENG-2322 or ENG-2510.
 This course surveys the English novel from Sterne, Richardson and Austen to Conrad, Lawrence and Woolf. Dickens, Hardy, Forster and other recent novelists are stressed. (Fall semesters, even years)
- ENG-3380 British Romantic Literature** **3 credits**
 Prerequisite: ENG-1052 and ENG-1310 or ENG-2171 or ENG-2172 or ENG-2281 or ENG-2282 or ENG-2321 or ENG-2322 or ENG-2510.
 In this investigation of English romanticism, student engage in close readings of poetry and prose by the major writers in the tradition: Blake, Wordsworth, Coleridge, Byron, Shelley, Keats and Mary Shelley. (Spring semesters, odd years)

ENG-3390 Literature of the Grotesque**3 credits**

Prerequisite: ENG-1052 and ENG-1310 or ENG-2171 or ENG-2172 or ENG-2281 or ENG-2282 or ENG-2321 or ENG-2322 or ENG-2510.

This course includes historical, literary, philosophic and aesthetic approaches to the grotesque, especially examining the mix of humor and horror so essential to the genre. Rabelais, Swift, Poe, Dostoevski, Baudelaire, Beckett, Nathanael West and Flannery O'Connor, among others, will be studied, as well as slides of grotesque art works, from Hieronymous Bosch to Salvadore Dali. (Spring semesters, even years)

ENG-3395 Satire in Literature**3 credits**

Prerequisites: ENG-1052 and ENG-1310 or ENG-2171 or ENG-2172 or ENG-2281 or ENG-2282 or ENG-2321 or ENG-2322 or ENG-2510.

This course is an introduction to the vast and varied genre of satire, tracing origins to Old Comedy and Roman Verse satire, tracing satire theory from classical models up through 20th century structuralism and postmodern theory. We'll study Aristophanes, Horace and Juvenal, Menippean satire of Lucian and Petronius, bits of Rabelais, Chaucer, Donne, Butler and Marvell, as well as whole works from neoclassic masters Alexander Pope, John Dryden and Jonathon Swift. As satire has evolved in the last two centuries into a predominately narrative, not verse, form, we'll study a number of anti-utopian novels such as Animal Farm, Brave New World, Memoirs From a Bath tub, as well as view "Metropolis" and "Modern Times" as cinematic satires.

ENG-3405 Literary Journalism**3 credits**

Prerequisite: ENG-1052

Students are expected to analyze and understand the techniques of journalistic prose that have led to memorable stories and columns. Among those studied are muckrakers such as Steffens and Woodward, war correspondents such as Pyle and Herr, commentators such as Lippmann and Broder, and many other literary journalists.

ENG-3480 Modern Literature**3 credits**

Prerequisite: ENG-1052 and ENG-1310 or ENG-2171 or ENG-2172 or ENG-2281 or ENG-2282 or ENG-2321 or ENG-2322 or ENG-2510.

Students engage in close readings of representative works of major poets and fiction writers from the start of the 20th century to World War II. The course includes British and American writers such as Joyce, Yeats, Woolf, Eliot, Stevens, Faulkner and Hemingway. (Spring semesters, odd years)

ENG-3510 Contemporary Literature**3 credits**

Prerequisite: ENG-1052 and ENG-1310 or ENG-2171 or ENG-2172 or ENG-2281 or ENG-2282 or ENG-2321 or ENG-2322 or ENG-2510.

Students read representative works of major poets and fiction writers from the end of World War II to the present. The course includes writers such as Lowell, Plath, Ginsberg, Bellow, Rich, O'Connor, Atwood, Morrison, and Carver. (Fall semesters, odd years)

ENG-3520 American Poetry**3 credits**

Prerequisite: ENG-1052 and ENG-1310 or ENG-2171, ENG-2172 or ENG-2260 or ENG-2270, or ENG-2281 and ENG-2282 or ENG-2321 or ENG-2322 or ENG-2510.

An examination of important works by major American poets, including such representative poets as Whitman, Dickinson, Stevens, Eliot, Pound, Williams, and Moore, with special emphasis on the Americanness of American poetry, as distinct from other traditions. (Spring semesters, even years) (Shared course in VSC)

ENG-3530 American Novel**3 credits**

Prerequisite: ENG-1052 and ENG-1310 or ENG-2171, ENG-2172 or ENG-2260 or ENG-2270, or ENG-2281 and ENG-2282 or ENG-2321 or ENG-2322 or ENG-2510.

An examination of novels by Americans in historical context, beginning with the first half of the nineteenth century, and including major works by novelists such as Hawthorne, Melville, Twain, James, Crane, Faulkner, Hemingway, and Fitzgerald. (Fall semesters, odd years) (Shared course in VSC)

ENG-3580 African American Literature**3 credits**

Prerequisite: ENG-1052 and ENG-1310 or ENG-2171, ENG-2172 or ENG-2260 or ENG-2270, or ENG-2281 and ENG-2282 or ENG-2321 or ENG-2322 or ENG-2510.

An examination of the literary traditions of African-Americans, beginning with slave narratives and the oral tradition (as seen in popular song and folk tales) and including poetry, autobiography, and fiction by important African-American writers of the twentieth century. (Fall semesters, even years) (Shared course in VSC)

ENG-3680 Linguistics and Language History**3 credits**

Prerequisite: ENG-1052. Recommended: ENG-2281.

This course examines the English language from a theoretical, developmental and practical perspective and is intended for students with a general interest in language and expression as well as those students preparing to teach language arts and literature at the secondary level. (Spring semesters, even years)

ENG-4010 Issues in Journalism**3 credits**

Prerequisite: ENG-2051.

This course is a senior level seminar designed to lead students through an examination of current ethical problems and issues in journalism: truth vs. accuracy; information biases: problems of personalizing, dramatizing, reenacting and manipulating the news; image-making in politics, First Amendment vs. rights to privacy: naming names; photojournalism ethics; and the transformation of news into entertainment (the rise of images and the decline of meaning). (Spring semesters, odd years)

ENG-4110 The Form and Theory of Fiction**3 credits**

Prerequisite: ENG-3130 or permission of instructor.

This study of novels and short stories focuses on their structure and on the ideas that give life to that structure. It is a workshop-oriented course primarily for writers, and much of the criticism read has a practitioner's focus. Topics include the form of the novella, tone and texture in the contemporary short story, and the novel as memoir. Major fiction by American and European writers is studied, along with representative novels and short stories by non-western and third world writers. (Spring semesters, odd years)

ENG-4120 The Form and Theory of Poetry	3 credits
Prerequisite: ENG-3120 or permission of instructor.	
This course examines the theoretical writings of 19th and 20th century poets on the process of poetic creation. Theories about the source of inspiration, the origin of poetic structure and technique, the relationship between theory and practice, the responsibilities and uses of poetic imagination, and the relationship between artist and society are explored. (Fall semesters, even years)	
ENG-4130 The Form and Theory of Nonfiction	3 credits
Prerequisite: ENG-1052. Recommended: at least one 3000-level writing course.	
The structure and technique of creative essays are examined and analyzed, with stress on development and organization. Particular attention is paid to literary essays that have withstood the critical test of time and to modern essays that consciously strive to incorporate literary techniques. Discussion focuses on audience, allusion, research, patterns of development and organizing elements, as well as those literary techniques such as symbolism and irony that apply to non-fiction prose. (Fall semesters, odd years)	
ENG-4150 Literary Criticism and Theory	3 credits
Prerequisite: ENG-1052, two literature surveys and one upper-level literature course.	
This investigation of 20th century approaches to literary criticism and theory focuses on major "schools" of criticism and on the critics and theorists associated with them. Students develop a definitive, historical perspective on this kind of discourse, including the goals criticism and theory have striven to reach and the effects such discourse has had on the study of literature. Students are encouraged to draw upon their own inclinations as readers and scholars, trying out some of these critical stances and evaluating their usefulness and their value to us as individuals and as members of various interpretive communities. (Spring semesters, odd years)	
ENG-4720 Seminar in Literature	3 credits
Prerequisite: ENG-1052, two literature survey courses and one upper-level literature course.	
Intended for upper-level English majors, this seminar examines in depth a particular author, literary movement, or literary theme. Students prepare intensive research-based seminar presentations and extended research papers. (Spring semesters, even years) (Shared course in VSC)	
ENG-4920 Senior Thesis	3 credits
Prerequisite: Permission of instructor.	
A substantial writing project is required of students pursuing a B.F.A. in creative writing. Normally this project is completed during the final semester of the senior year. Students may work in any genre. The thesis is optional for students pursuing a B.A. Consult the Writing and Literature faculty for detailed information about developing a thesis project, finding a thesis adviser and carrying out the project. (Repeatable for credit only when the second thesis is in a different genre than the first one.)	
 <i>English as a Second Language (ESL)</i> 	
ESL-1010 Conversation and Listening Skills	3 credits
Prerequisite: None.	
This course offers non-native speakers of English the opportunity to develop the oral linguistic skills needed for college study. Class presentations and language laboratory work are required.	
ESL-1021/1022 Written Expression I/II	3 credits each
Prerequisite: ESL-1021 is a prerequisite for ESL-1022.	
The objective of this course is to improve the writing of non-native English speakers. Through a review of grammar, syntax and semantics, this course attempts to develop college-level writing skills.	
ESL-1031/1032 Understanding and Using English Grammar and Vocabulary I/II	3 credits each
Prerequisite: ESL-1031 is a prerequisite for ESL-1032.	
The course will emphasize the correct usage of grammar and vocabulary in written and spoken English. Students will study intermediate level grammar and add more challenging and complex structures as the year progresses. The vocabulary component will focus on words essential for college students.	
ESL-1040 Editing Lab	1 credit
Prerequisite: ESL-1021 or approval of instructor.	
This lab will deal with specific language-related problems such as syntax, grammar and usage that appear in students' written work. Students will focus on writing and rewriting essays that have been submitted in other classes. The course is repeatable for credit and is designed to be taken in conjunction with a writing class or a class that is writing-intensive. Pass/fail grading only.	
ESL-1050 Supplemental Instruction Bridge	1 credit
Prerequisites: 500 TOEFL score or ESL-1021/1022; and ESL-1031/1032. Concurrent enrollment in core curriculum disciplinary exploration course.	
The course focuses on the study skills necessary for students to master the content of a disciplinary exploration course that is centered on interpretive assignments in reading and writing and on complex, language-based content and information. Course work will be dovetailed to the syllabus of the content course. The course may be taken for up to four times, provided that each bridge course corresponds to a separate main category of disciplinary exploration course work (i.e., arts and humanities; natural sciences; anthropology/sociology/psychology; political science/economics). Pass/fail grading only.	
ESL-2910 Independent Study in English as a Second Language	1-12 credits

Environmental Science (ENV)

ENV-1020 Introduction to Computers for the Sciences

2 credits

Prerequisite: None.

This course will focus on the use of the following software: Word® (word processing), Excel® (spreadsheet, database, graphics, and curve fitting), Netscape® (searching and downloading data and images), PowerPoint® (presentations), Illustrator® (figures and posters), and Photoshop® (image editing); and the following hardware: flatbed scanner, film scanner, film recorder, and standard computer hardware. (May not be taken for credit if MIS 101 taken for credit.)

ENV-1040 Introduction to Oceanography

3 credits

Prerequisite: None.

Oceanography is a broad and multidisciplinary field in which many sciences are focused on the common goal of understanding how oceans work. This class is designed for the non-science major and will emphasize the role of basic scientific principles in the geological, biological, physical and chemical processes that govern the oceanic realm and how those oceanic processes affect the terrestrial realm. In addition, the connection between various oceanic processes and their impact on human existence and development will be explored.

ENV-1050 Introduction to Earth Science

4 credits (with lab)

Prerequisite: None.

An introduction to earth systems and processes. Emphasis is on understanding the reasons for distribution patterns of minerals, rocks and continents, as well as on a basic understanding of the principles of geology, geomorphology, meteorology and climatology. This course is suggested as a beginning course for students in the environmental sciences major.

ENV-1110 Introduction to Environmental Problems

3 credits

Prerequisite: None.

A survey of the relationship between living things and the environment and the environmental issues that arise from their interaction, with particular emphasis on the impact of and on human beings. (Shared course in VSC)

ENV-2050 The Natural History of Vermont

3 credits

Prerequisite: None.

The historical development of the geology, weather, wildlife, and vegetation of Vermont. Field work required. (Shared course in VSC)

ENV-2810/4810 Internship in Environmental Science

1-12 credits

ENV-2910/4910 Independent Study in Environmental Science

1-12 credits

ENV-3010 Land Use Planning

3 credits

Prerequisite: ENV-1110 and junior or senior standing.

This course covers the nature and characteristics of the land base and constraints on land use. It also looks at the institutional framework and techniques of land use control and planning. Topics such as the use of zoning, easements, variances and subdivisions are discussed.

ENV-3020 Environmental Law

3 credits

Prerequisite: POS-1020 or 1010, ENV-1110. Juniors and seniors only.

An examination of the legal profession's involvement in management of natural resources. Students analyze major court decisions, federal and state statutes, federal rule-making procedures and administrative hearings.

ENV-3030 Water Resources

3 credits

Prerequisite: ENV-1110, ENV-1050, and CHE-1031.

This course provides a comprehensive look at global and U.S. water resources by a detailed examination of the hydrologic cycle, precipitation distribution patterns, and water quantity and quality. Both surface and ground water sources are examined, as are various water uses and conflicts.

ENV-3040 Energy and Mineral Resources

3 credits

Prerequisite: ENV-1110, ENV-1050.

This course considers the extent and geographical location of our mineral and energy resource base. It looks at the historical developments, changes through time, current usage and environmental impacts of resources use. Geological constraints, transportation, pricing policies, shortages, governmental regulations and pollution problems are some of the topics covered.

ENV-3130 Environmental Geology

4 credits (with lab)

Prerequisite: ENV-1050

Environmental geology focuses on the relationship between people and the physical environment. This course will expose students to hazardous earth processes such as floods, seismic activity, landslides, volcanic activity and coastal threats. A limited understanding of soil formation, soil texture, porosity and permeability is of utmost importance to environmental issues and will also be addressed in this course.

ENV-3150 Toxic and Solid Waste Management

3 credits

Prerequisite: ENV-1110, 1050, and CHE-1020 or 1031.

An investigation of the problems associated with the handling and disposal of wastes, both ordinary solids and those that are hazardous and radioactive. The course looks at topics such as waste disposal methods currently utilized; the laws and regulations governing transport, storage and disposal of toxic substances; how and where disposal can best be accomplished; the costs involved and who pays them; and how great a risk such materials pose to human health and the environment.

ENV-3160 Coastal and Marine Resources Prerequisite: ENS-1110, ENV-1050. This course examines the physical, chemical, biological and geological processes of the world's oceans and how these processes interact to provide resources. Utilization of marine pollution, coastal and resources use of wetlands and coastal development are discussed.	3 credits
ENV-3210 Current Topics in Environmental Science Prerequisite: None. A number of current environmental topics will be explored in a seminar setting with a presentation by a speaker or panel followed by time for discussion. Presenters will be researchers or practitioners in environmental science. Students will keep a journal of all presentations. May be repeated for a maximum of 3 credits.	1 credit
ENV-3220 Environmental Interpretation Prerequisite: Competence in the natural sciences. Not open to first-year students. An introduction to the principles and methods of environmental interpretation which considers effective communication in formal and informal settings. Topics include use of interpretive media, displays, descriptive information, conducted trips and interpretive talks.	3 credits
ENV-3230 National Parks and Wilderness Management Prerequisite: ENV-1110. Not open to first-year students. This study of national parks and wilderness area management covers the historical, functional, ecological and evolutionary aspects of these areas. Special attention is directed to the significance of these areas in the modern world and the management options offering the best chances of meeting both the needs of users and protecting the resource.	3 credits
ENV-3240 Fundamentals of Soil Science Prerequisite: CHE-1031. Not open to first-year students. An introduction to the formative processes of soils, their organic and inorganic constituents, and physical properties. Topics include weathering processes and the role of climate and vegetation in development of soil types. Textural and structural analysis of soils, retention and movement of soil water, and soil management practices are also covered.	4 credits (with lab)
ENV-3250 Meteorology/Climatology Prerequisite: CHE-1031. This course provides a comprehensive look at the processes that interact together to form various types of weather and weather-related phenomena. The major processes that are explored include the composition of the atmosphere, atmospheric pressure and pressure gradients, atmospheric warming and cooling, atmospheric moisture and cloud formation, air movement and frontal boundaries along with a description of severe weather events such as hurricanes and tornadoes. This course also examines the link between weather and climate and how we can utilize past climate change along with current weather patterns to make predictions for future climate change.	4 credits (with lab)
ENV-3310 Applications in GIS Prerequisite: Open to juniors and seniors only. Geographic Information Systems (GIS) have been designed as electronic ways to store large volumes of data. In the environmental field, GIS systems have become a very important tool for storing environmental data, as a way to produce maps and encode valuable information and data about map features that can be readily accessed for environmental projects. This class is designed to give students in the environmental field and other science disciplines a working knowledge of how GIS systems are compiled and utilized.	4 credits (with lab)
ENV-4010 Global Environmental Issues Prerequisite: ENV-1110. Open to juniors and seniors only. This seminar focuses on international environmental issues such as destruction of the tropical rain forests; ozone depletion; international movement of endangered species, pelts and live animals; the increasing transport of inadequately tested pharmaceuticals and pesticides; and the export of toxic waste from industrial to less developed countries.	3 credits
ENV-4020 Remote Sensing Prerequisite: ENV-1050. Juniors and seniors only. This course introduces the basic principles on which remote sensing is based. Aerial photographic interpretation and photogrammetry are studied as well as interpreted images from non-photographic sensors (such as satellite images). The two-hour lab is designed to provide a hands-on approach to such applications as air photo interpretation, land-use/land-cover mapping, geological and soil mapping and geographic information systems (GIS).	4 credits (with lab)
ENV-4710 Special Topics in Environmental Science	1-3credits
ENV-4720 Senior Thesis Prerequisite: Senior Standing. The Senior Thesis requires students to conduct an individual research project, write a thesis, conduct an oral presentation and prepare a paper for publication. This capstone course allows the student to combine the skills and knowledge gleaned from previous courses with a self-designed research project that requires the student to ask a good question, develop appropriate techniques, and conduct appropriate research. The research topic is to be chosen by the student in consultation with a member of the faculty. A thesis outline must be submitted to the supervising faculty member (or members) prior to commencement of research. This type of practical, hands-on experience may be conducted at locations off campus, in conjunction with a work-study project, internships, or on campus research. The project must be completed within two semesters.	3 credits

ENV-4730 Senior Seminar**3 credits**

Prerequisite: Senior standing.

Through this seminar, students have an opportunity to apply what they have learned by developing and completing a library or field research project under faculty guidance. The project culminates in an oral presentation and a final research paper or project report.

*French (FRE)***FRE-1111/FRE-1111L French I****class 3 credits, lab 1 credit**

Prerequisite: None. Corequisite: Coinciding lab.

This is the first course in a two-semester sequence. It is a comprehensive program appropriate for true beginners as well as those with one to two years of secondary French. Students develop listening, speaking, reading, and writing skills and are introduced to French and Francophone culture and civilization. This shared course may have different prerequisites at the other VSC colleges. (Shared course in VSC)

FRE-1112/FRE-1112L French II**class 3 credits, lab 1 credit**

Prerequisite: Two years of high school French or FRE-1111 or permission of instructor.

The second semester of this introductory level course continues to build on basic skill with further development of cultural, aural, written, speaking, and reading skills. This shared course may have different prerequisites at the other VSC colleges. (Shared course in VSC)

FRE-2011/FRE-2011L French III**class 3 credits, lab 1 credit**

Prerequisite: Three years of high school French or FRE-1112 or permission of instructor.

This is the first semester of an intermediate program designed to review material obtained either after three or more years of secondary French or after introductory college level French. Further development of listening, speaking, writing, reading, and cultural skills, in a French and Francophone context. (Shared course in VSC)

FRE-2012/FRE-2012L French IV**class 3 credits, lab 1 credit**

Prerequisite: Four years of high school French or FRE-2011 or permission of instructor.

Continued study of French grammar, vocabulary, and syntax. Further development of oral proficiency. The course will include practice in directed composition and informal oral and written reports. This course may require work in a language laboratory in addition to regular class meetings. (Shared course in VSC)

FRE-2910/4910 Independent Study in French**1-12 credits****FRE-3010 Culture and Civilization through Correspondence and Conversation****3 credits**

This course is intended for students at the intermediate level. It is also intended for students wishing to get their minor in French. Based on the Cultura Project at MIT, this class pairs JSC students with Canadian students studying English at their Cegep in Terrebonne, Quebec. An email correspondence over the semester allows students to explore a wide range of topics such as food ways, family, current issues, holidays, heroes, and health care. JSC students write in English and Quebec students write in French. This native language use on questionnaires and in correspondence offers cultural nuances to be fully expressed. This cross-cultural approach offers learners a chance to observe, compare, and analyze similar materials from two target cultures. Within the classroom setting, students discuss their reactions and observations all in French, the target language. A home-stay immersion experience in Quebec may be included. May be repeated for credit.

*Geology (GEY)***GEY-3110 Hydrogeology****4 credits (with lab)**

Prerequisite: ENV-1050.

This is an applied hydrogeology course with lecture, laboratory, and field experience. Course material includes qualitative and quantitative treatment of the hydrologic cycle, ground water flow, well hydraulics, water quality, and water resource issues. (Shared course in VSC)

GEY-3120 Field Geology**4 credits (with lab)**

Prerequisite: ENV-1050.

This course introduces the student to the ways in which sedimentology, stratigraphy and structural geology are applied to situations regarding the interpretation of ancient environments and orogenic belts. Knowledge gleaned from this work is applicable to mining, civil engineering and groundwater pollution.

History (HIS)

NOTE: Upper-level (3000-4000) courses in History are offered on a rotating basis, generally every other year.

HIS-1111 World History I**3 credits**

Prerequisite: None.

An introduction to the world's major civilizations: Ancient Mediterranean (Egypt, Mesopotamia, Palestine, Greece, Rome); European; South Asian (India, Pakistan and Bangladesh), East Asian (China, Korea and Japan), African; Islamic and Mesoamerican from their origins to the time of the global expansion of European civilization. (Shared course in VSC)

HIS-1112 World History II Prerequisite: None. The continuing development of the world's major civilizations: European/American, South Asian (India, Pakistan and Bangladesh), East Asian (China, Korea and Japan), African, and Islamic from the time of European global expansion to the present, with particular attention given to the problems and challenges of globalization. (Shared course in VSC)	3 credits
HIS-1211 American History I Prerequisite: None. A survey of the major events in American history from pre-colonial days to the time of the Civil War and Reconstruction. Students will examine forces behind these events, and their social, cultural, economic, and political implications for the American people and the new nation. (Shared course in VSC)	3 credits
HIS-1212 American History II Prerequisite: None. Survey of the major events in American history from Reconstruction to the present, with an emphasis on understanding the social, cultural, economic, and political factors in the emergence of the United States as a dominant world power. (Shared course in VSC)	3 credits
HIS-2140 The Civil War (available through EDP) Prerequisite: None. This course explores the causes and effects of the Civil War, focusing on issues important both then and now, such as states' rights, the treatment of blacks and minorities, a political Supreme Court and reactions to the war. (Shared course in VSC)	3 credits
HIS-2210 Women in U.S. History Prerequisite: None. Recommended: HIS-1211, 1212. An examination of the changing role and important contributions of women in American history. Well known figures, such as Abigail Adams, Elizabeth Cady Stanton, and Jane Adams, are treated, as well as those less prominent. (Spring semesters, even years) (Shared course in VSC)	3 credits
HIS-2410 Latin American History and Culture Prerequisite: None. This is a course about modern Latin America's history. Students study in great detail the history of three to four countries on that continent from the Depression onward. (Spring semesters, even years)	3 credits
HIS-2440 African Civilization Prerequisite: None. An interdisciplinary assessment of African culture, historical achievement and contemporary prospects, this course begins with a study of the centuries of autonomous development prior to European domination. The course offers abundant opportunity for individual student initiative in African politics, economics, art, music and philosophy. (Spring semesters, even years)	3 credits
HIS-2810/4810 Internship in History (Shared course in VSC)	1-12 credits
HIS-2910/4910 Independent Study in History	1-12 credits
HIS-3020 Greek and Roman History Prerequisite: None. Recommended: HIS-1111, ENG-2171. A study of the political, social, economic and cultural achievements of Greek and Roman civilizations. Topics include the emergence of the Greek city-state, Athens in the 5th century, the Hellenistic world, Republican Rome and the rise and fall of the Roman Empire.	3 credits
HIS-3040 Ancient Civilizations of the New World Prerequisite: None. This interdisciplinary course traces the indigenous development of civilization in the Americas from the time of the first settlers over 10,000 years ago, through the development of agriculture and towns, to the advanced civilizations that were destroyed by European colonialism in the sixteenth century. Although we will focus on the civilizations of Mexico and Central America, the high cultures of South America and southern North America will be investigated as well.	3 credits
HIS-3050 Community in America (available through EDP) Prerequisite: None This course is designed to help non-traditional students, who understand the historical and personal dimensions of the questions posed by Bellah and others: how ought we to live, how do we think about how we live, who are we as Americans, and what is our culture? It further explores the inter-relationships between individuals and institutions, with special emphasis on the concept of civic virtue.	3 credits
HIS-3060 Church and State in America (available through EDP) Prerequisite: None. Recommended: HIS-1211, 1212. This course will examine the dynamic interactions of religion and public policy in American history that have shaped the shifting boundaries of our freedom of religion and our freedom from religion.	3 credits

- HIS-3080 Colonial America: History and Life** **3 credits**
 Prerequisite: None.
 This course provides an examination of major aspects of colonial life and the important political and economic events of the period from the early 17th century through 1789. Attention is paid to the establishment of colonies, lifestyles in various parts of the colonies, the American Revolution and efforts to form a new government after the Revolution, and elements of colonial history and life which form part of our heritage. (Fall semesters, odd years)
- HIS-3141/3142 History of the United States in the Twentieth Century I, II** **3 credits each**
 Prerequisite: None. Recommended: HIS-1212.
 This examination of American response to the problems of the 20th century pays particular attention to the Progressive Movement, the 1920s, the New Deal, Harry S. Truman and the Cold War, and the Kennedy-Johnson era. First semester: 1898-1945; second semester: 1945-present.
- HIS-3160 Vermont's Coastal Regions** **3 credits**
 (available through EDP) Prerequisite: None.
 This course explores, compares and contrasts the social, political and cultural dimensions of the history of Vermont's major watershed areas. Special emphasis is placed upon the cultural concepts of "Greater Vermont" and the Western and Eastern Unions of the late 1700s. (This course will be taught using Vermont Interactive TV. The course originates from the VIT site in Colchester.)
- HIS-3165 Vermont History** **3 credits**
 Prerequisite: None.
 This course examines the Vermont political tradition and explores why Vermonters, such as Senator George Aiken, have had such influence at the state and national level. (Shared course in VSC)
- HIS-3225 Latin America: Mexico to Chile; History, Politics, Cultures** **3 credits**
 Prerequisite: Junior Standing
 Before the Europeans and through the Spaniards, the British/French, the Soviets and the USA, the turmoil and the angst of a continent as it lurched from communism, to socialism, to exploitative and merciless capitalism; from Liberation Catholic Theology to the arrival of Protestantism; from the domination of ethnic Europeans to the domination of Indians; from a western-oriented world view to developing one of their own; from cash crops to cocaine; from political dictatorships to drug cartels; and so on.
- HIS-3250 Europe in the Middle Ages** **3 credits**
 Prerequisite: HIS-1111.
 A study of the political, social, economic and cultural development of Europe from the fall of the Roman Empire to the Age of Humanism. Emphasis is on the growth of institutions and social change.
- HIS-3270 Renaissance and Reformation** **3 credits**
 Prerequisite: HIS-1111 or HIS-1112.
 This course examines Europe from the fifteenth century to the Peace of Westphalia, including the intellectual and cultural movements, the development of the national states, exploration and colonization, and the Protestant and Catholic Reformation. (Fall semesters, odd years)
- HIS-3312 Europe in the Twentieth Century** **3 credits**
 Prerequisite: HIS-1112. Recommended: HUM-2040 or one upper-level European History course.
 This course covers the development of Europe since 1914, stressing the two world wars in their international context and the phenomena of communism and fascism.
- HIS-3350 Struggle for Democracy** **3 credits**
 (available through EDP) Prerequisite: None.
 Democracy traces its roots to ancient Athens, but rarely appeared in subsequent centuries. This course will examine the development of democratic theory and practice through a close examination of the pertinent writings of both its proponents and critics including: Plato, Aristotle, Montesquieu, Machiavelli, Locke, Rousseau, Mill, Tocqueville, Marx, Madison and others.
- HIS-3351 English History to 1714** **3 credits**
 Prerequisite: HIS-1111 and 1112 or permission of instructor. Recommended: ENG-2282.
 A survey of the political, social, economic, and cultural development of England, Scotland, Wales and Ireland from the earliest times to 1714. Emphasis is on the origins and growth of democratic attitudes and institutions. (Fall semesters, odd years)
- HIS-3352 English History Since 1714** **3 credits**
 Prerequisite: HIS-1111, 1112 or permission of instructor. Recommended: ENG-2282.
 A survey of the political, social, economic and cultural development of Great Britain since 1714. Emphasis is on the origins and growth of democratic attitudes and institutions and the rise and fall of the British Empire. (Spring semesters, even years)
- HIS-3370 Nationalism and Rebellion in Irish History (available through EDP)** **3 credits**
 Prerequisite: None.
 The study explores events and topics in Irish history from 1600 to present including an examination of resistance to English rule, republicanism and reaction, emancipation and repeal, famine and mass emigration, the development of Irish nationalism and national identity, literary renaissance, separation and civil war, and the northern crisis.

HIS-3420 French Revolution	3 credits
Prerequisite: None.	
An examination of the French Revolution of 1789, the modern democratic revolution that profoundly changed not only French society but also transformed Europe and gave birth to modern nationalism and continuing movements for social-political reform and revolution. (Fall semesters, odd years) (Shared course in VSC)	
HIS-3430 History of the Soviet Union	3 credits
Prerequisite: None.	
The Revolution of 1917 and the emergence of the Communist state are stressed with emphasis on the internal problems and conflicts and the development of the Soviet Union as a world power. Students research individual topics and gain an understanding of the conflicts that dominate the contemporary political scene.	
HIS-3450 Women in European History	3 credits
Prerequisite: None. Recommended: HIS-1111 and 1112.	
A study of the changing role of women in European history is offered from the end of antiquity to the 20th century. Topics include women in public and private life, the economic and legal position of women, and the changing role of women in society.	
HIS-3510 Chinese History and Culture	3 credits
Prerequisite: None.	
An introductory survey of Chinese history and culture from early China to today. Topics will include arts and religion, the dynastic system and empire, major movements for reform and revolution, and China's international interests. (Shared course in VSC)	
HIS-3520 Japanese History and Culture	3 credits
Prerequisite: None.	
An introductory survey of Japanese history and culture from ancient times to today, including the formation and growth of the Japanese state, arts and religion, the influence of Chinese culture and Western pressure, and Japan's international interests. (Shared course in VSC)	
HIS-4010 History of the Middle East	3 credits
Prerequisite: None.	
This course sweeps through the Middle East from the ancient times to the present.	
HIS-4730 Seminar in Historical Communication	3 credits
Prerequisite: Senior standing or permission of the instructor.	
Students will read, write on and discuss major works in the general field of history. In addition, students are expected to participate actively in class discussions and to focus on how and why things happened, not merely on what and when.	
HIS-4740 Seminar in Historical Investigation	3 credits
Prerequisite: Senior standing or permission of the instructor.	
This course is designed primarily for history majors and serves as the culmination to an undergraduate history program. Students will work intensively on a project of their own choosing, mastering the essential steps in historical research and writing. A final paper, representing a substantial piece of research, will then be submitted to the student's peers and to the faculty members of the department. A formal presentation is also required.	
<i>Hospitality and Tourism Management (HTM)</i>	
HTM-1010 Survey of Hospitality and Tourism	3 credits
Prerequisite: None.	
This course develops and explores the structure and components of the tourism and hospitality industry. This section will focus primarily on the lodging and foodservice segments of the industry. Industry leaders will join the class for discussion throughout the semester. Students will be expected to explore, in detail, a major lodging or foodservice company. Students will also be assigned an industry mentor who they will meet with every week during the semester. (Fall semester.)	
HTM-2010 Ecotourism	3 credits
Prerequisite: None.	
This course is designed to inspire students from many different disciplines to explore issues of sustainability through low impact tourism businesses. In this course students will explore the exploding field of ecotourism. Students will learn about the major issues facing tourism professionals, governments, and local communities in creating sustainable ecotourism opportunities. Ecotourism geography, the design of ecolodges, educational programming, and native cultures are woven into the fabric of this course. (Fall semester.)	
HTM-2020 Introductory Internship in HTM	1-4 credits
Prerequisites: HTM-1010.	
This internship is designed to introduce the student to an entry level position in the tourism and hospitality industry. Students are required to work a minimum of 150 hours per credit hour over a minimum of 10 weeks at an approved internship site. Students are also required to complete a set of educational requirements in order to successfully complete the internship.	
HTM-2910/4910 Independent Study in Hospitality and Tourism Management	1-12 credits