

ENGL 575 Literature of the American South (3). H A survey of fiction, non-fiction, poetry, and drama written by selected writers of the American South from the pre-Civil War period to the present. The course will emphasize the critical analysis of individual texts as well as the cultural and historical context of the works. Prerequisite: Prior completion of the freshman-sophomore English requirement or its equivalent. LEC

ENGL 579 American and British Poetry Since 1945 (3). H The study of a large number of British and American poets, primarily those from 1945 to the present. Attention is given both to traditional and to innovative aspects of the poetry. LEC

ENGL 580 Rhetoric and Writing: _____ (3). H A study of selected broad topics in rhetoric and writing, including such topics as the rhetoric of law, the rhetoric of education, persuasion in literature, literacy, and rhetorical genres. May be repeated for credit as the topic changes. Prerequisite: Prior completion of the freshman-sophomore English requirement or its equivalent. LEC

ENGL 587 American English (3). H A study of the structure, history, and varieties of the English language in the United States from the period of colonization to the present. Prerequisite: Prior completion of the freshman-sophomore English requirement or its equivalent. LEC

ENGL 590 Studies in: _____ (1-3). H A study of the major characteristics of a particular genre, mode, or similar topic of concern to the study of literature. The course may deal with several literary periods and cultures as well as with a variety of movements and writers. May be repeated for credit as the topic changes. Prerequisite: Prior completion of the freshman-sophomore English requirement or its equivalent. LEC

ENGL 592 Survey of: _____ (3). H A broad view of major works and authors in a particular period, genre, or mode. May be repeated for credit as the topic varies. Prerequisite: Prior completion of the freshman-sophomore English requirement or its equivalent. LEC

ENGL 596 Technical Communication Internship (1-3). H Practical experience in the use of technical-writing or editing skills in supervised professional settings for which the student normally does not receive pay. A 1-3 hour internship requires 40-120 hours of documented on-site work in one semester (40 hours per credit). Credit hours are graded on a satisfactory/unsatisfactory basis, according to a written recommendation from the student's workplace manager, student work logs and self-evaluation, and an oral report. Prerequisite: Advanced Technical Writing I (English 562) and permission of instructor. LEC

ENGL 610 The Literature of England to 1500 (3). H A survey of the literature of medieval England (in translation). Prerequisite: Prior completion of the freshman-sophomore English requirement or its equivalent. LEC

ENGL 620 Renaissance English Literature: _____ (3). H A broad view of literary works written between 1485 and 1660. Surveys may be offered with focus on a particular genre (poetry, drama, or prose), historical period (16th- or 17th-century literature), or group of authors (women writers). May be repeated for credit as topic varies. Prerequisite: Prior completion of the freshman-sophomore English requirement or its equivalent. LEC

ENGL 626 Shakespeare: The Earlier Plays (3). H Intensive study of selected earlier plays, particularly the comedies and histories. Prerequisite: Prior completion of the freshman-sophomore English requirement or its equivalent. LEC

ENGL 627 Shakespeare: The Later Plays (3). H Intensive study of selected later plays, with emphasis on the great tragedies and romances. Prerequisite: Prior completion of the freshman-sophomore English requirement or its equivalent. LEC

ENGL 633 Milton (3). H A close reading of *Paradise Lost*, *Paradise Regained*, *Samson Agonistes*, and the minor poems, with illustrative selections of prose. Prerequisite: Prior completion of the freshman-sophomore English requirement or its equivalent. LEC

ENGL 640 British Literature of the Restoration and Early 18th Century (3). H Emphasis on the principal writers of the period from Dryden through the early Alexander Pope. Prerequisite: Prior completion of the freshman-sophomore English requirement or its equivalent. LEC

ENGL 641 British Literature of the Mid- to Later 18th Century (3). H Emphasis on the principal writers from the later Alexander Pope through the Age of Johnson. LEC

ENGL 646 British Drama of the Restoration and 18th Century (3). H A survey of British drama from approximately 1642 to 1800, including the comedy of wit and heroic tragedy in the Restoration and sentimental, neoclassical, and romantic trends in the comedy and tragedy of the eighteenth century. Prerequisite: Prior completion of the freshman-sophomore English requirement or its equivalent. LEC

ENGL 648 The Eighteenth-century British Novel (3). H A study of the novel as a genre in Britain during the "long eighteenth century" (approximately 1642-1820). Prerequisite: Prior completion of the freshman-sophomore English requirement or its equivalent. LEC

ENGL 650 Poetry of the Romantic Period (3). H Close reading of major poems by Blake, Wordsworth, Coleridge, Byron, Shelley, and Keats, leading to a general discussion of English literature between about 1790 and 1830. Prerequisite: Prior completion of the freshman-sophomore English requirement or its equivalent. LEC

ENGL 655 Poetry of the Victorian Period (3). H A survey of selected poems by Tennyson, the Brontës, Browning, FitzGerald, Arnold, Morris, Patmore, Swinburne, and Rossetti, leading to some general views of British verse in the period from 1830 to 1890. Prerequisite: Prior completion of the freshman-sophomore English requirement or its equivalent. LEC

ENGL 658 The Nineteenth-century British Novel (3). H A study of the novel as a genre in Britain during the nineteenth century. LEC

ENGL 660 British Poetry of the 20th Century (3). H The theories and poems of such major figures as Hopkins, Bridges, Hardy, Yeats, Auden, and Thomas. Prerequisite: Prior completion of the freshman-sophomore English requirement or its equivalent. LEC

ENGL 664 The Age of Yeats and Joyce (3). H Study of the Irish Literary Renaissance, 1880-1920, with emphasis on major poems, plays, and novels by several authors. Prerequisite: Prior completion of the freshman-sophomore English requirement or its equivalent. LEC

ENGL 668 The Modern British Novel (3). H A study of Conrad, Lawrence, Woolf, Joyce, and other major British authors from 1900 to the present. Prerequisite: Prior completion of the freshman-sophomore English requirement or its equivalent. LEC

ENGL 677 The American Novel in the 19th Century (3). H A study of the novels (and possibly short fiction) of such authors as Brown, Cooper, Hawthorne, Melville, Twain, Howells, James, Norris, and Stowe. Emphasis on a critical analysis of individual works, the historical development of the novel, and the critical theory of each author. (Same as AMS 677.) LEC

ENGL 678 The Modern American Novel (3). H A study of representative American novelists of the twentieth century. Emphasis on a critical analysis of individual novels as well as on the historical development of the modern novel. (Same as AMS 678.) LEC

ENGL 679 American Poetry of the 20th Century (3). H A study of American poetry from E.A. Robinson and Robert Frost to the present. Prerequisite: Prior completion of the freshman-sophomore English requirement or its equivalent. LEC

ENGL 707 Literary Criticism to 1800 (3).

ENGL 708 Literary Criticism After 1800 (3).

ENGL 709 Critical Theory: Problems and Principles: _____ (3).

ENGL 710 Introduction to Old English (3).

ENGL 712 Beowulf (3).

ENGL 714 Middle English Literature (3).

ENGL 720 Chaucer: _____ (3).

ENGL 751 Fiction Writing III (1-3).

ENGL 752 Poetry Writing III (1-3).

ENGL 753 Writers Workshop (1-3).

ENGL 767 Studies in Modern Drama: _____ (3).

ENGL 770 Studies in Life Writing: _____ (3).

ENGL 774 Topics in Literatures of Africa and the African Diaspora: _____ (3).

ENGL 779 U.S. Poetries Since 1900 (3).

ENGL 780 Composition Studies (3).

ENGL 781 Criticism and the Teaching of Literature (3).

ENGL 785 History of the English Language (3).

ENGL 787 Modern English Grammar (3).

ENGL 790 Studies in: _____ (3).

Entomology

Students interested in entomology should pursue the B.A. in biology, selecting BIOL 500 Biology of Insects as an elective. Select additional courses in consultation with an entomology adviser. See Biology Undergraduate Program in this chapter of the catalog. These courses are recommended for students interested in entomology but not majoring in biology:

BIOL 120 Insects in Your World

BIOL 500 Biology of Insects

BIOL 505 Social Insects

For those in microbiology and fields related to medicine:

BIOL 616 Medical Entomology

Environmental Biology

Students may concentrate in environmental biology by seeking a B.S. or B.A. degree in environmental studies or a B.S. in biology. See Biology Undergraduate Program; see Environmental Studies in this chapter of the catalog.

Environmental Studies

Director: Bill Woods, env-studies@ku.edu

Snow Hall, 1460 Jayhawk Blvd., Room 252

Lawrence, KS 66045-7523, www.ku.edu/~kuesp, (785) 864-8902

Degrees offered: B.A., B.G.S., B.S.

Why study environmental studies? The KU Environmental Studies Program provides a rigorous interdisciplinary education and stimulates exchange concerning the environment from natural science, social science, and humanities perspectives.

This interdisciplinary major gives students a fundamental knowledge of the human environment, the dimensions of human impact on the environment, and holistic approaches to solving problems resulting from this impact. The human environment includes all facets of human activity affecting the environment, such as philosophical and ethical issues, environmental resource use and misuse, population biology, and the chemistry of the at-

mosphere. The goals of the program are (1) to provide a holistic view of the environment, one in which the synergistic nature of perturbations, natural and anthropogenic, can be understood and (2) to provide the technical and evaluative skills for active participation in an environmental career. The environment is the central theme around which a liberal arts education is focused. *Students may declare an interest in environmental studies or a major in environmental studies by filling out the appropriate forms.* CLAS Interest Code and Major Declaration forms are available from College Student Academic Services, 109 Strong Hall, or in the environmental studies office. Students are strongly encouraged to declare an environmental studies major as soon as possible.

Majors

B.A. and B.G.S. General Requirements. Please refer to the B.A. and B.G.S. requirements in the College of Liberal Arts and Sciences: General Requirements chapter of this catalog.

B.A. and B.G.S. Core Courses (36-37 hours)

EVRN 148/GEOG 148 Scientific Principles of Environmental Studies (3) or EVRN 149/GEOG 149 Scientific Principles of Environmental Studies Honors (3) .. 3	
EVRN 103/HIST 103 Environment and History or EVRN 347/HIST 347 Environmental History of North America (3) or EVRN 150/GEOG 150 Environment, Culture and Society (3)	3
EVRN 320 Environmental Policy Analysis	3
EVRN 332 Environmental Law	3
One of the following:	3
UBPL 538 Environmental Planning Techniques (3)	
ECON 550/EVRN 550 Environmental Economics (3)	
EVRN 433/GEOG 433 Biogeography Field and Laboratory Techniques (3)	
EVRN 410 Geospatial Analysis (3)	
GEOG 351 Environmental Geology (3)	
HIST 301 The Historian's Craft (3)	
One of the following statistics courses:	3-4
MATH 365 Elementary Statistics (3)	
GEOG 316 Methods of Analyzing Geographical Data (4)	
BIOL 570 Introduction to Biostatistics (3)	
EVRN 460 Field Ecology	3
EVRN 615 Capstone Project	3

Electives (minimum of 12 hours). Written approval of electives must be obtained from an adviser *before* taking the course. A list of possible electives can be obtained from the environmental studies office 12
Elective Themes: Applied Ecology and Field Biology, Environmental Impact Analysis, Environmental Health, Environmental Geology and Meteorology, Water Resources

B.S. General College Requirements (30-34 hours)

English (9 hours). ENGL 101, ENGL 102, and ENGL 362 Foundations of Technical Writing. (If ENGL 362 is not available, any 200-level English writing course fulfills the requirement.)

Argument and Reason (3 hours). Satisfaction of the College B.A. requirement.

Western Civilization (6 hours). Satisfaction of the College B.A. requirement.

Principal Course Distribution Requirement (12-18 hours)

ECON 142 Principles of Microeconomics	3
Three additional courses from the principal course lists in social sciences and humanities and/or courses in the same foreign language	9-15

B.S. Core Courses (62-65 hours)

EVRN 148/GEOG 148 Scientific Principles of Environmental Studies (3) or EVRN 149/GEOG 149 Scientific Principles of Environmental Studies Honors (3) .. 3	
EVRN 103/HIST 103 Environment and History (3) or EVRN 347/HIST 347 Environmental History of North America (3) or EVRN 150/GEOG 150 Environment, Culture, and Society (3)	3
EVRN 320 Environmental Policy	3
EVRN 332 Environmental Law	3
MATH 115 Calculus (3) and MATH 116 Calculus II (3) or MATH 121 Calculus I (5) ... 3-5	
BIOL 150 Principles of Molecular and Cellular Biology (4) or BIOL 151 Principles of Molecular And Cellular Biology, Honors (4)	4
BIOL 152 Principles of Organismal Biology (4) or BIOL 153 Principles of Organismal Biology, Honors (4)	4

BIOL 414 Principles of Ecology	3
One of the following statistics courses:	3
MATH 365 Elementary Statistics (3)	
GEOG 316 Methods of Analyzing Geographical Data (4)	
BIOL 570 Introduction to Biostatistics (3)	
CHEM 184 Foundations of Chemistry I (5) or CHEM 185 Foundations of Chemistry I, Honors (5)	5
CHEM 188 Foundations of Chemistry II (5) or CHEM 189 Foundations of Chemistry II, Honors (5)	5
One of the following lab sciences:	5
GEOG 104 Principles of Physical Geography (3) and GEOG 105 Introductory Laboratory in Physical Geography (2)	
GEOG 101 Introduction to Geology (3) and GEOG 103 Geological Fundamentals Laboratory (2)	
GEOG 102 Introduction to Geology, Honors (3) and GEOG 103 Geological Fundamentals Laboratory (2)	
CHEM 622 Fundamentals of Organic Chemistry (3) and CHEM 625 Organic Chemistry I Laboratory (2)	
EVRN 460 Field Ecology	3
EVRN 615 Capstone Project	3

Electives (minimum of 12 hours). Written approval of electives must be obtained from an adviser before taking the course. A list of possible electives can be obtained from the department office 12
Elective Themes: Applied Ecology and Field Biology, Environmental Health, Environmental Geology and Meteorology, Water Resources

Electives. Electives provide the opportunity to specialize. An environmental studies adviser must sign an elective approval form *before* a student takes an elective. Forms may be obtained from the environmental studies office. Except for study abroad, a maximum of 6 hours of nonclassroom course work may be counted toward electives (e.g., internship or research).

Exceptions and Substitutions. All substitutions must be approved by a student's environmental studies faculty adviser. A student must submit a requirement substitution form to the environmental studies faculty adviser. Forms can be obtained from the environmental studies office.

Internships. Internships allow majors to develop new skills and test their abilities and educational backgrounds. Students can assess their career objectives in professional settings. Internships are done in city, county, state, and federal agencies and in environmental organizations and private companies or agencies. Students are encouraged to participate at the end of the sophomore or junior year. Completion of an internship by the end of the junior year provides an opportunity to make career changes and final elective selections before the senior year. It is not possible to participate in an internship after graduation. The applicant must have a grade-point average of 2.5 or above, must have completed 12 hours of core or required environmental studies courses (excluding required supporting courses), and must have a suitable internship opportunity. A maximum of 3 hours may be applied to the 12 to 15 hours of required electives.

Requirements for the Minor. General Requirements

1. The EVRN minor includes 18 credit hours with at least 12 of those hours at the 300 level or above.
2. Students must earn at least a 2.0 grade-point average in all courses.
3. Students majoring in environmental studies may not minor in environmental studies.
4. No more than one course overlap is allowed between any major and the environmental studies minor.

Specific Requirements

1. **One** of the following courses: 3
EVRN 148/GEOG 148 Scientific Principles of Environmental Studies (3)
EVRN 149/GEOG 149 Scientific Principles of Environmental Studies, Honors (3)
2. **One** of the following courses: 3
EVRN 103/HIST 103 Environment and History (3)

Contact an environmental studies adviser for current major requirements, or visit www.ku.edu/~kuesp.

The 2008 Fiske Guide to Colleges considers environmental studies at KU a top-ranked program.

EVRN 150/GEOG 150 Environment, Culture, and Society (3)	
EVRN 347/HIST 347 Environmental History of North America (3)	
3. EVRN 320 Environmental Policy	3
4. EVRN 332 Environmental Law	3
5. One of the following research methods courses:	3
EVRN 410 Geospatial Analysis (3)	
EVRN 460 Field Ecology (3)	
ECON 550/EVRN 550 Environmental Economics (3)	
GEOG 358 Principles of Geographic Information Systems (3)	
EVRN/GEOG 433 Biogeography Field & Laboratory Techniques (3)	
HIST 301 The Historian's Craft (3)	
UBPL 538 Environmental Planning Techniques (3)	
6. One additional EVRN course at the 300 level or above	3

Honors. To graduate with honors in environmental studies, a student must maintain a minimum overall grade-point average of 3.25 and 3.5 in the major. The student also must complete an individual honors project. This project normally represents two semesters of original work. Check with the Environmental Studies Program for course enrollment requirements.

■ Environmental Studies Courses

EVRN 103 Environment and History (3). H Nature is our oldest home and newest challenge. This course surveys the environmental history of the earth from the extinction of the dinosaurs to the present with a focus on the changing ecological role of humans. It analyzes cases of ecological stability, compares cultural attitudes toward nature, and asks why this ancient relationship seems so troubled. (Same as HIST 103.) LEC

EVRN 148 Scientific Principles of Environmental Studies (3). NB N This course presents an overview of our understanding of environmental processes and issues. Topics include scientific principles, resource issues, pollution and global change, among others. This course gives students a rigorous understanding of interactions between humans and their environment and provides students with a scientific basis for making informed environmental decisions. (Same as GEOG 148.) LEC

EVRN 149 Scientific Principles of Environmental Studies, Honors (3). NB N This course presents an overview of our understanding of environmental processes and issues. Topics include scientific principles, resource issues, pollution and global change, among others. This course gives students a rigorous understanding of interactions between humans and their environment and provides students with a scientific basis for making informed environmental decisions. An honors section of EVRN 148, designed for superior students. (Same as GEOG 149.) Prerequisite: Membership in the University Honors Program or approval of instructor required. LEC

EVRN 150 Environment, Culture, and Society (3). S An introduction to geographic approaches to the study of the environment, emphasizing societal and cultural factors that influence human interaction with the biosphere, hydrosphere, lithosphere and atmosphere. The course involves analysis of a broad range of contemporary environmental issues from the local to global scales. (Same as GEOG 150.) LEC

EVRN 200 Study Abroad Topics In: _____ (1-6). S This course is designed for the study of special topics in Environmental Studies. Course work must be arranged through the Office of Study Abroad. May be repeated for credit if content varies. LEC

EVRN 304 Environmental Conservation (3). NE N A survey of current methods of describing and modeling the function, structure, and productivity of natural and anthropogenically modified earth resource systems, along with a discussion of contemporary views of what constitutes a natural landscape. Fundamental natural science principles about the interplay among lithospheric, atmospheric, hydrospheric, and biospheric components of earth systems are emphasized. Uses of natural resources, including fossil fuels, minerals, and water, are described with attention to the earth's total energy budget. Human activities that affect preservation, conservation, and multiple uses of earth regions receive attention. Systems under stress through population and other contemporary forces serve as examples. (Same as GEOG 304.) LEC

EVRN 320 Environmental Policy Analysis (3). N An historical and analytical study of the formulation, implementation, and consequences of environmental policy in the United States. Attention will be directed at relevant interest groups, issues specific to both rural and urban populations, relationships between national policies and international organizations concerned with environmental problems. Prerequisite: EVRN 148/GEOG 148; and EVRN 103/HIST 103, EVRN 347/HIST 347 or EVRN 150/GEOG 150. LEC

EVRN 332 Environmental Law (3). U An introduction to how the American legal process improves, transforms, and damages the natural environment. Emphasizes and compares shifting responsibilities of legal forces and institutions: judges and litigants, legislators and statutes, agencies and administrations, and citizens and regulated entities. Prerequisite: EVRN 148 and EVRN 103/HIST 103, EVRN 347/HIST347 or EVRN 150/GEOG 150. LEC

EVRN 347 Environmental History of North America (3). H A survey of changes in the landscape and in people's perceptions of the natural world from 1500 to pres-

ent. Topics include agroecology, water and energy, the impact of capitalism, industrialism, urbanization, and such technologies as the automobile and the origins of conservation. (Same as HIST 347.) LEC

EVRN 385 Environmental Sociology (3). S This course invites students to study society and its impact on the environment. Environmental problems are social problems. This course will address such items as social paradigms, theories, inequalities, movements, and research. (Same as SOC 385.) LEC

EVRN 410 Geospatial Analysis (3). N Focuses on applications of geospatial technologies to environmental issues using case study examples and data, and provide students with a foundational skill-set in geographic information systems, remote sensing, and GPS techniques. Prerequisite: EVRN/GEOG 148/149; EVRN/HIST 103, EVRN/GEOG 150 or EVRN/HIST 347. LEC

EVRN 420 Topics in Environmental Studies: _____ (1-3). N Courses on special topics in Environmental Science and/or Policy. These courses may be lecture, discussions, or readings. Students may enroll in more than one interest group but may enroll in a given interest group only once. LEC

EVRN 425 Global Water Scarcity (3). S Though natural factors are introduced, this course focuses primarily on the human factors that contribute to global water scarcity. This course also discusses the consequences of water scarcity and its effects on society. Prerequisite: EVRN 148 or permission of instructor. LEC

EVRN 433 Biogeography Field and Laboratory Techniques (3). N This course provides undergraduate students with practical experience in field data collection techniques and laboratory data analysis methods. During the first half of the semester, students work in the field using a variety of methods to measure such vegetation characteristics as: cover, density, biomass, leaf area, and canopy architecture. Students gain experience in the use of field instruments including a spectroradiometer, and techniques for quantifying biophysical attributes of vegetation. During the later part of the course, students learn to summarize their field data and examine relationships between the vegetation attributes and measurements made using remote sensing instruments. Recommended: GEOG 316 or an introductory statistics equivalent. (Same as GEOG 433.) FLD

EVRN 460 Field Ecology (3). N Provides practical experience in the characterization of a diversity of ecosystem types; lakes, streams, forests, and prairies. This course is writing intensive, and designed for Environmental Studies majors. Prerequisite: EVRN/GEOG 148/149; EVRN/HIST 103, EVRN/HIST 347 or EVRN/GEOG 150; Junior Standing. Restricted to declared Environmental Studies majors. FLD

EVRN 490 Internship in Environmental Studies (1-8). N Supervised practical experience in a specific environmental area of interest. The adviser will schedule regular meetings to evaluate progress and provide assistance. A written summary of the internship experience and evaluation will be prepared independently by the student, a representative of the cooperating agency, and the adviser. Total credit may not exceed 8 hours. Prerequisite: Junior standing and consent of program director. Restricted to declared Environmental Studies majors. Restricted to students with a 2.5 overall GPA or above. FLD

EVRN 526 Remote Sensing of the Environment I (4). N Introduction to study of the environment through air photos and satellite imagery, including principles of remote sensing, interactions of electromagnetic energy with the atmosphere and earth's surface, aerial photography, satellite systems, and sensors (electro-optical, thermal, and radar). Emphasis in the latter part of the course is on such applications as global monitoring, land cover mapping, forestry, agriculture, and oceanography. Laboratory emphasizes visual interpretation of aerial photography and satellite imagery and an introduction to digital image processing in the department's NASA Earth Science Remote Sensing Laboratory. (Same as GEOG 526.) Prerequisite: MATH 101 or equivalent. GEOG 358 recommended. LEC

EVRN 528 Environmental Justice and Public Policy (3). S This course provides an overview of environmental justice, both as a social movement and as a public policy initiative. Environmental justice examines the distribution of environmental externalities across different socio-economic and racial groups. We will discuss several different public policy areas that have been impacted by the environmental justice movement: hazardous waste facility siting, urban redevelopment and Brownfields, transportation policy, and Native American sovereignty. We will also touch upon international environmental policy in an environmental justice context. Throughout the course we will evaluate empirical issues in studying environmental justice. (Same as POLS 528.) Prerequisite: POLS 306, or a statistics class, or consent of instructor. LEC

EVRN 542 Ethnobotany (3). S Course will involve lectures and discussion of Ethnobotany—the mutual relationship between plants and traditional people. Research from both the field of anthropology and botany will be incorporated in this course to study the cultural significance of plant materials. The course has 7 main areas of focus: 1) Methods in Ethnobotanical Study; 2) Traditional Botanical Knowledge—knowledge systems, ethno linguistics; 3) Edible and Medicinal Plants of North America (focus on North American Indians); 4) Traditional Phytochemistry—how traditional people made use of chemical substances; 5) Understanding Traditional Plant Use and Management; 6) Applied Ethnobotany; 7) Ethnobotany in Sustainable Development (focus on medicinal plant exploration by pharmaceutical companies in Latin America). (Same as ANTH 582.) Prerequisite: ANTH 104, ANTH 108, EVRN 148, or consent of instructor. LEC

KU Info, (785) 864-3506, www.kuinfo.ku.edu, answers questions about events and activities and makes referrals.

The 2005 book *Student Success in College: Creating Conditions That Matter* lists KU as one of 20 schools that foster student achievement. It praises KU for its emphasis on high-quality undergraduate instruction and for its above-average graduation rate.

EV RN 550 Environmental Economics (3). U This course provides an overview of the theory and empirical practice of economic analysis as it applies to environmental issues.

Topics include externalities (a type of market failure), the valuation of nonmarket goods, the practice of benefit-cost analysis, and the efficiency and cost effectiveness of pollution control policies. Most importantly, the course permits students to perform economic field research, using state-of-the-art techniques in a manner accessible to undergraduate students. (Same as ECON 550.) Prerequisite: ECON 104, ECON 140, or ECON 142. LEC

EV RN 553 Comparative Environmental Politics (3). S This course compares environmental politics and policies across a number of countries, including those in North America, Western Europe, East Asia, and Latin America. (Same as POLS 553.) LEC

EV RN 562 United States Environmental History in the 20th Century (3). H Americans dramatically changed the natural world between 1900 and 2000. This course asks how transformed environments shaped the American experience during a century of technological innovation, democratic renewal, economic expansion, global conflict, and cultural pluralism. Topics include food and markets, energy and transportation, law and politics, protest and resistance, suburbanization, and environmentalism's fate in a global information era. (Same as HIST 562.) LEC

EV RN 563 U.S. Environmental Thought in the 20th Century (3). H Explores both leading and dissenting ideas that Americans have had about the natural world since 1900. Broad chronological periods are explored in some depth, including the Progressive Era, New Deal, Cold War, the Sixties, and the Reagan Eighties. The course uses articles and books, as well as visual and aural forms of communication. Commercial speech, as well as scholarly and literary works, are considered. (Same as HIST 563.) Prerequisite: EV RN 148 or HIST 129, or by permission of instructor. LEC

EV RN 611 Water Quality, Land Use, and Watershed Ecosystems (3). N Water quality issues are integrated with land use planning and the development of watershed management strategies. Interrelationships among the hydrologic cycle, atmospheric deposition, nutrient transformations and pesticide use are examined in regards to stream, lake, and groundwater quality. Prerequisite: CHEM 125 or CHEM 184 and BIOL 414, or consent of instructor. LEC

EV RN 615 Capstone Project (3). N The capstone project provides students with a broad-based, interdisciplinary educational experience and allows them to integrate and synthesize the knowledge they have gained in their environmental studies major. It rejoins the cohort that has separately pursued the B.A./BGS and B.S. tracks and places them in situations in which they address real world environmental issues with a team approach and produce professionally meaningful analytical reports. Prerequisite: Junior standing; EV RN 320, EV RN 332, and EV RN 460. Restricted to declared Environmental Studies majors. LEC

EV RN 620 Environmental Politics and Policy (3). S Analysis of environmental politics and the formulation and implementation of environmental policy. Examines the history and development of environmental politics as well as current trends. Themes include interest groups, business interests, political institutions, and specific environmental policy issues. (Same as POLS 624.) LEC

EV RN 624 Independent Study (1-9). N A research course, in any of the fields of environmental studies, consisting of either experimental research, original policy analysis, or the preparation of an extensive paper based on library investigation. Project topic to be agreed upon in advance with supervising faculty member. Prerequisite: Consent of instructor. IND

EV RN 625 Honors Research in Environmental Studies (3). N A course giving eligible majors the opportunity to earn Departmental Honors by engaging in an intensive program of study leading to an original piece of research. Prerequisite: Senior standing, approval of the Environmental Studies Program, the Honors Project Director, and an overall 3.25 cumulative grade point average during the semester of enrollment. Restricted to declared Environmental Studies majors. IND

EV RN 656 Ecosystem Ecology (3). N An introduction to the patterns and processes that affect terrestrial ecosystems. Emphasis is placed on understanding nutrient cycles (e.g., carbon nitrogen phosphorous), hydrologic cycles, and patterns of net primary productivity. The role of both natural and anthropogenic disturbances in structuring terrestrial ecosystems is examined in the context of global land-use patterns. Discussion of current research literature will be expected. (Same as BIOL 656.) Prerequisite: BIOL 414 and CHEM 184. LEC

European Studies

Director: Diane Fourny, dfourny@ku.edu

Bailey Hall, 1440 Jayhawk Blvd., Room 308
Lawrence, KS 66045-7574, www2.ku.edu/~ces, (785) 864-9070

Undergraduate Adviser: Ronald Francisco, ronfran@ku.edu,
Blake Hall, 1541 Lilac Lane, Room 504, Lawrence, KS 66044-3177, (785) 864-9023

Undergraduate Adviser: Leonie Marx, marx@ku.edu,
Wescoe Hall, 1445 Jayhawk Blvd., Room 2076, Lawrence, KS 66045-7590, (785) 864-4803

Degree offered: Bachelor's (co-major only)

Why study European studies? Because European studies broaden, deepen, and strengthen through interdisciplinary study a student's knowledge and understanding of the enduring importance of our transatlantic partners, the Europeans.

The degree in European studies is available only as a co-major in conjunction with a bachelor's degree major in another academic discipline. The co-major also can be combined with a bachelor's degree in a professional school, such as business or journalism.

Co-major

First- and Second-year Preparation. During their first and second years, students are strongly encouraged to enroll in HIST 115 plus one additional course from the list below:

HIST 115 French Revolution to the Present: Europe 1789–Present	3
Choose one of the following:	3
ECON 104 Introductory Economics (3)	
ECON 144 Introduction to Macroeconomics (3)	
GEOG 100 World Regional Geography (3)	
GEOG 102 Principles of Human Geography (3)	
POLS 150/POLS 151 Introduction to Comparative Politics (3)	
POLS 170/POLS 171 Introduction to International Politics (3)	
H A 100 Introduction to Art History (3)	
PHIL 180 Introduction to Social and Political Philosophy (3)	

Note: Enrollment in the above courses counts toward College principal course distribution requirements in the humanities and social sciences.

Students should begin foreign language study in a western European language other than English or Russian. Participation in a summer study abroad language institute is highly recommended. Contact a European studies adviser early to plan a program.

Requirements for Admission to the Co-major. (1) Second-semester sophomore or junior standing. (2) Declared major in a department or admission to a professional school.

Requirements for the Co-major. Students must complete the minimum requirements outlined in parts 1 through 5 below. Students interested in earning honors in European studies must complete parts 1 through 6 below.

1. Foreign Language Skills. Students take one semester beyond the College general education foreign language requirement (completion of a fourth-semester course) in a modern western European language (Danish, Dutch, French, German, Hungarian, Italian, Portuguese, Polish, Spanish, or Swedish). Some examples of a fifth-semester course:

Dutch: DTCH 453	Italian: ITAL 315
French: FREN 300	Portuguese: PORT 340
German: GERM 344	Spanish: SPAN 324
Fifth-semester western European language course	3

2. Foundational Course. All students enroll in EURS 500 Seminar in European Studies. This interdisciplinary seminar meets once or twice a week and covers topics in the culture, history, politics, and economics of western Europe, including an overview of the history and development of the European Union. The course normally is taught fall semester only.

EURS 500 Seminar in European Studies	3
--	---

Note: EURS 500 may be replaced by EURS 503 Europe Today, taught only during summer through the Summer Institute in European Studies.

3. Upper-division General European Studies Courses. Students enroll in three of the following courses (two must be from different departments):

ARCH 642 History of Architecture III: Modern	9
ARCH 665 History of Urban Design	
ECON 535 Economic History of Europe	
ECON 536 Economic Issues of the European Union (same as EURS 536)	
ECON 563 Current Economic Issues of East Europe	
EURS 302 European Culture & Society 1945 to Present: Decline of Modernity & Rise of Postmodernism	
EURS 329 History of War & Peace (same as HIST 329)	
EURS 503 Europe Today	
EURS 505 Studies in Exile Literature	
EURS 506 Culture & Politics of the Cold War in Western Europe	
EURS 507 Research in European Collections	
EURS 508 Politics & Economics of Cultural Production in Western Europe	
EURS 509 Introduction to the Study of Southern European Societies	
EURS 511 Topics in European Studies: _____ (when covering two or more countries)	
EURS 604 The European Union	
HA 533 European Art 1789-1848: Gender & Revolution	
HA 564 European Art, 1900-1945	
HA 565 Art Since 1945	
HIST 334 The Great War: The History of World War I	
HIST 340 The History of the Second World War	
HIST 342 The Rise & Fall of Communist Nations Since 1917	
HIST 343 The Holocaust in History	
HIST 380 Revolutionary Europe: The People in Arms	
HIST 526 Nineteenth-century Europe, 1789-1914	
HIST 527 Recent European History, 1870 to the Present	
HIST 528 Economic History of Europe (same as ECON 535)	
HIST 529 Intellectual History of 19th-century Europe	
HIST 533 The History of Women & the Family in Europe, from 1500 to the Present	