ENVIRONMENTAL STUDIES (EVST)

EVST 101 - Introduction to Environmental Science (4 Hours)
An introduction to the physical, chemical, and biological principles necessary to understand how human beings function in and influence their physical environment. The class will consider current environmental issues, both in the United States and in other countries, and discuss ways of dealing with these issues. The goal is to enable students to become more knowledgeable and, therefore, more critical of environmental public policy on both the local and national levels. This course is not intended for environmental studies majors. Three hours of lecture/discussion and one three-hour laboratory session per week.
Curriculum: SP,NS

EVST 105 - Environmental Problem Solving I (4 Hours)
Interdisciplinary problem-solving is the central skill needed by environmental professionals, and examining real-world issues best develops this skill. This course will focus on a local or regional environmental issue, and we will work with government, business, and/or community leaders in order to analyze the issue from the varying perspectives of these stakeholders. At the end of the course, we will provide the stakeholders with a detailed analysis that draws on information from the natural sciences, social sciences, and the humanities. Partially fulfills the collegiate requirements in the Natural Science Area of Knowledge. Intended primarily for students seriously considering EVST as their major.
Curriculum: NS,SP,WA

EVST 200 - Geographic Information Systems with Environmental Applications (3 Hours)
This course covers the fundamentals of geographic information systems (GIS) to display and analyze spatial data with emphasis on environmental applications and the use of Global Positioning System (GPS) to collect spatial data in the field. Students will use ESRI's ArcGIS Pro software to learn basic mapping theory (e.g., coordinate systems), edit geographic and tabular data, analyze spatial data, create databases, and produce maps that display and analyze spatial data. Students will also learn how to collect spatial field data using state-of-the-art, survey-grade GPS units and software and import those data into GIS. The course is taught in an integrated lecture-field (laboratory) approach.
Prerequisite(s): EVST 105

EVST 205 - Environmental Communication (3 Hours)
Environmental professionals must be effective communicators to a variety of audiences including disciplinary specialists, regulators, clients, and the general public. Modes of communication include written reports and oral presentations each tailored to the needs of the audience. There are professional norms for each type of audience and medium. The overall goal of this course is to provide the practice and feedback needed for students to be competent communicators in each context.
Prerequisite(s): ENGL 185 and EVST 105

Curriculum: CC

EVST 213 - Environmental Ethics (3 Hours)
This course addresses basic issues of environmental ethics: the value of ecosystems (both inherent and instrumental), human beings' treatment of animals and non-animal nature, the meaning and justification of moral obligations to species and to the environment, and the complex and profound ways in which our actions with regard to the environment affect our fellow human beings. We will apply moral theory to environmental problems in the enterprise of formulating an adequate ethical approach to our environment. Recommended: PHIL 212 and EVST 105. Offered every two or three years.
Cross-list: PHIL 213

Curriculum: CL,HU

EVST 226 - Environmental Policy (3 Hours)
This course will provide the student with a foundation in current U.S. environmental policy. Students will examine the issues associated with specific areas such as air pollution, waste management, and endangered species and will develop an understanding of analytical approaches to environmental policymaking including risk assessment and cost/benefit analysis. The course will focus on the modern environmental policy period which began in the 1970s, primarily through case studies which illustrate problems of pollution control, natural resource conservation and ecosystem protection. Students will have an opportunity to work with primary source documents, and to discuss significant environmental issues such as climate change and biodiversity loss. The course will also examine environmental policies of the current federal administration.
Prerequisite(s): EVST 105 or PSCI 101 or PSCI 102

Cross-list: PSCI 226

EVST 305 - Environmental Problem Solving II (4 Hours)
This course is the second in a three-course sequence devoted to environmental problem solving using real-world issues. Building on the skills and knowledge introduced in EVST 105, this course will focus on a more complex local or regional environmental issue than the one analyzed in EVST 105, and you will be expected to use information from your area of expertise courses when analyzing the issue. Like EVST 105, students will work with government, business, and community leaders in order to analyze the issue from the varying perspectives of these stakeholders. At the end of the course we will provide the stakeholders with a detailed analysis that draws on information from the natural sciences, social sciences, and the humanities. Partially fulfills the collegiate requirements in the Natural Science Area of Knowledge. Recommended for those with junior standing in the EVST major.
Prerequisite(s): EVST 105

EVST 325 - Environmental Law (3 Hours)
Students will gain an overview of the essential concepts of environmental law that shape the practice of environmental and political science, and learn how to analyze issues in their legal contexts with regard to the environment. The course provides a historical survey of the field from its common law roots to its current applications dealing legislatively with a variety of complex environmental issues, such as air and water pollution, loss of species diversity, and global climate change. It is taught as a seminar in which the historical development of common law concepts and the evolution of the present complex of statutory laws are highlighted through study of the major court cases that have guided environmental legislation and policies.
Prerequisite(s): EVST 105 or PSCI 102

Cross-list: PSCI 325

EVST 381 - Special Topics (3 Hours)
These courses are designed to treat advanced topics not otherwise dealt with in the rest of the environmental studies curriculum.

EVST 382 - Special Topics (3 Hours)
These courses are designed to treat advanced topics not otherwise dealt with in the rest of the environmental studies curriculum.

EVST 405 - Environmental Problem Solving III (4 Hours)
This course is the third in a three-course sequence devoted to environmental problem-solving using real-world issues, and it is the capstone to the environmental studies major. Building on the skills and knowledge introduced in EVST 105, deepened in the area of expertise, and practiced in EVST 305, this course will focus on a different local or regional environmental issue than was analyzed in EVST 105 and EVST 305. Like EVST 105 and EVST 305, we will work with government, business, and community leaders, but students will be in charge of all aspects of the analysis. At the end of the course, we will provide the stakeholders with a detailed analysis drawing on information from the natural sciences, social sciences, and the humanities. Partially fulfills the collegiate requirements in the Natural Science Area of Knowledge. Recommended for those with senior standing in the EVST major.
Prerequisite(s): EVST 105 and EVST 305

Curriculum: CS

EVST 450 - Field Studies in Environmental Studies (3 Hours)
This course is intended to provide environmental studies majors with an opportunity to gain first-hand experience in the environmental workplace. Placements are possible with private, state, or federal agencies, committees of the U.S. Congress, or environmental advocacy groups. Open only to environmental studies majors or by permission of the environmental studies director. Junior standing required. Offered as needed.
Curriculum: EL

EVST 451 - Internship in Environmental Studies (Unpaid) (3 Hours)
The internship in environmental studies is intended to provide qualified environmental studies majors with an opportunity to gain first-hand experience in the environmental workplace. Internship placements are possible with private, state, or federal agencies, state or federal legislatures, or environmental advocacy groups. Open only to environmental studies majors or by permission of the environmental studies director. Junior standing is required. Offered as needed. A special fee ($200) is charged for this course.
Curriculum: EL

EVST 452 - Internship in Environmental Studies (Unpaid) (3 Hours)
The internship in environmental studies is intended to provide qualified environmental studies majors with an opportunity to gain first-hand experience in the environmental workplace. Internship placements are possible with private, state, or federal agencies, state or federal legislatures, or environmental advocacy groups. Open only to environmental studies majors or by permission of the environmental studies director. Junior standing is required. Offered as needed. A special fee ($200) is charged for this course.
Curriculum: EL

EVST 457 - Internship in Environ Study (Paid) (3 Hours)
With prior approval, students may earn Experiential Cross Area Requirement (CAR) credit and transcript notation for one credit hour for a paid internship. To qualify for experiential credit a student must have completed 48 semester hours of work prior to the beginning of the internship and be in good academic standing (not on academic probation) at the time of application and at the start of the internship. Registration and application procedures are similar to those for academic internship courses. Satisfactory completion of a paid internship requires a minimum of 130 hours (160 recommended) working at the host site, a reflective daily journal, a final written report, and a satisfactory evaluation from the site supervisor. A special fee ($400) is charged for this course.
Curriculum: EL

EVST 493 - Topics in Environmental Research (3 Hours)
Students may select a laboratory or field research project covering any area of contemporary environmental investigation. Projects are selected in consultation with a faculty member. A seminar and a final written research paper must be presented to the environmental studies program prior to the end of classes in the term in which the research is done.
Prerequisite(s): EVST 105 and program approval

Curriculum: EL

EVST 496 - Senior Project (3 Hours)
The senior project in environmental studies provides majors an opportunity to carry out original research on an environmental topic under the supervision of a member of the Environmental Studies Council. Student earns a total of six hours for the full senior project experience (496, 497, and 498).
Prerequisite(s): EVST 105, permission of the proposed faculty research supervisor, combined with senior status and required approval of the Environmental Studies Council

Curriculum: EL

EVST 497 - Senior Project (3 Hours)
The senior project in environmental studies provides majors an opportunity to carry out original research on an environmental topic under the supervision of a member of the Environmental Studies Council. Student earns a total of six hours for the full senior project experience (496, 497, and 498).
Prerequisite(s): EVST 105, permission of the proposed faculty research supervisor, combined with senior status and required approval of the Environmental Studies Council

Curriculum: EL

EVST 498 - Senior Project (3 Hours)
The senior project in environmental studies provides majors an opportunity to carry out original research on an environmental topic under the supervision of a member of the Environmental Studies Council. Student earns a total of six hours for the full senior project experience (496, 497, and 498).
Prerequisite(s): EVST 105, permission of the proposed faculty research supervisor, combined with senior status and required approval of the Environmental Studies Council

Curriculum: EL