

ENVIRONMENTAL STUDIES (ENV)

ENV-101 INTRODUCTION TO SUSTAINABLE SYSTEMS (3 Credits)

Sustainability is defined as meeting the needs of the present without compromising the ability of future generations to meet their needs. This course explores how humans think about the global challenges we face, the systems that make up the natural world in which we live, and how we go about living there. An emphasis is placed on systems theory to understand the connections among various challenges facing humans across the planet.

ENV-112 HUMAN ECOLOGY (3 Credits)

This course is designed for the liberal arts student who is interested in the relationship between humans and their natural environment. The integrative concept of humans as one species in a global ecosystem will be emphasized. Elementary ecological principles will be applied to such environmental problems as energy resources, land use, air and water pollution, and species extinction. We will seek solutions along multidisciplinary lines, including economics, political science, and environmental ethics.

ENV-221 SUSTAINABLE LIVING: ARCHITECTURE & PLACEMAKING (3 Credits)

Studies human response to sustainably built environments and the effects these structures and places have on their inhabitants. Sustainable architecture, city planning, accessible design, and the response of the human psyche will be explored through a series of lectures, field trips, and direct exploration of different buildings and places. This course satisfies part of the Social Science and Policy concentration requirement in the Environmental Studies major, but it is open to students of any major.

ENV-232 ENVIRONMENTAL STUDIES INTERNSHIP (3 Credits)

ENV 232, an internship in Environmental Studies, is a required course for the Environmental Studies major. Students apply learning, skills, and knowledge relevant to environmental issues in an internship setting. Permission of instructor required. Students must submit a proposal in writing detailing expectations and goals associated with the internship in advance of undertaking it, and must summarize their activities and their outcomes in a written report following its conclusion.

ENV-242 INDEPENDENT STUDY (3 Credits)

Research in a selected topic in Environmental Studies under the supervision of a faculty member, designed to allow the student to probe specific interests that lies beyond the coverage found in other course offerings. Area of focus within Environmental Studies may include ones within the umbrella of the natural sciences, social sciences and policy, ethics and aesthetics, or a combination of these. Faculty permission required.

ENV-242A IND ST: FRANCISCAN CARE FOR CREATION (3 Credits)

Research in a selected topic in Environmental Studies under the supervision of a faculty member, designed to allow the student to probe specific interests that lies beyond the coverage found in other course offerings. Area of focus within Environmental Studies may include ones within the umbrella of the natural sciences, social sciences and policy, ethics and aesthetics, or a combination of these. Faculty permission required.

ENV-242B IND ST: SUSTAINABLE LIVING:ARCHITECTURE AND PLACEMAKING (3 Credits)

Research in a selected topic in Environmental Studies under the supervision of a faculty member, designed to allow the student to probe specific interests that lies beyond the coverage found in other course offerings. Area of focus within Environmental Studies may include ones within the umbrella of the natural sciences, social sciences and policy, ethics and aesthetics, or a combination of these. Faculty permission required.

Prerequisite(s): ENV-101

ENV-242CB SP TOP:ISSUES IN CONSERVATION BIOLOGY (3 Credits)

Research in a selected topic in Environmental Studies under the supervision of a faculty member, designed to allow the student to probe specific interests that lies beyond the coverage found in other course offerings. Area of focus within Environmental Studies may include ones within the umbrella of the natural sciences, social sciences and policy, ethics and aesthetics, or a combination of these.

ENV-242EA IND ST: FRANCISCAN CARE FOR CREATION (3 Credits)

Research in a selected topic in Environmental Studies under the supervision of a faculty member, designed to allow the student to probe specific interests that lies beyond the coverage found in other course offerings. Area of focus within Environmental Studies may include ones within the umbrella of the natural sciences, social sciences and policy, ethics and aesthetics, or a combination of these. Faculty permission required.

ENV-242EH SP TOP: ENVIRONMENTAL HISTORY (3 Credits)

Research in a selected topic in Environmental Studies under the supervision of a faculty member, designed to allow the student to probe specific interests that lies beyond the coverage found in other course offerings. Area of focus within Environmental Studies may include ones within the umbrella of the natural sciences, social sciences and policy, ethics and aesthetics, or a combination of these. Faculty permission required.

ENV-242FE SP TOP:ISSUES IN CONSERVATION BIOLOGY SPECIAL TOPIC:FILM & THE ENVIRONMENT (3 Credits)

Research in a selected topic in Environmental Studies under the supervision of a faculty member, designed to allow the student to probe specific interests that lies beyond the coverage found in other course offerings. Area of focus within Environmental Studies may include ones within the umbrella of the natural sciences, social sciences and policy, ethics and aesthetics, or a combination of these.

ENV-242NS IND STUDY (3 Credits)

Research in a selected topic in Environmental Studies under the supervision of a faculty member, designed to allow the student to probe specific interests that lies beyond the coverage found in other course offerings. Area of focus within Environmental Studies may include ones within the umbrella of the natural sciences, social sciences and policy, ethics and aesthetics, or a combination of these. Faculty permission required.

ENV-242SN IN ST:THE ETHNOBOTANY OF SENECA WITHIN SBU (3 Credits)

Research in a selected topic in Environmental Studies under the supervision of a faculty member, designed to allow the student to probe specific interests that lies beyond the coverage found in other course offerings. Area of focus within Environmental Studies may include ones within the umbrella of the natural sciences, social sciences and policy, ethics and aesthetics, or a combination of these. Faculty permission required.

ENV-242SP IND STUDY (3 Credits)

Research in a selected topic in Environmental Studies under the supervision of a faculty member, designed to allow the student to probe specific interests that lies beyond the coverage found in other course offerings. Area of focus within Environmental Studies may include ones within the umbrella of the natural sciences, social sciences and policy, ethics and aesthetics, or a combination of these. Faculty permission required.

ENV-242SPA IND ST:WILDERNESS, CULTURE & THE ENVIRONMENT (3 Credits)

Research in a selected topic in Environmental Studies under the supervision of a faculty member, designed to allow the student to probe specific interests that lies beyond the coverage found in other course offerings. Area of focus within Environmental Studies may include ones within the umbrella of the natural sciences, social sciences and policy, ethics and aesthetics, or a combination of these. Faculty permission required.

ENV-310 ENVIRONMENTAL REGULATION & TESTING (3 Credits)

An examination of the sources of various environmental regulations and the application of these regulations to industrial and municipal operations. The physical and chemical testing needed to enforce the regulations will be examined. Teams of students will work on case studies as projects to be presented in class with the objective of demonstrating complexity of enforcing regulations.

Prerequisite(s): CHEM-101, CHEM-102

ENV-320 ENVIRONMENTAL LAW & POLICY (3 Credits)

A topical course which introduces students to environmental law and policy through analysis of a particular problem which will be examined from various perspectives, including what the law decrees and how disputes regarding environmental issues are resolved.

ENV-328 SEMINAR ENV/SUSTAINABLE STUDIES (3 Credits)

ENV 328 is an interdisciplinary, problem centered, 3 credit hour seminar. It examines a key environmental aspect of human-non human interactions and their impacts on the natural world, the built environment, and human society and culture. The seminar is attentive to such interactions from the perspective of 1) environmental ethics and aesthetics, 2) environmental social policy, and 3) environmental science. Student teams collaborate with their instructor in addressing these three aspects of a particular environmental issue in a problem-centered seminar setting.

ENV-401 SENIOR CAPSTONE PROJECT (3 Credits)

The capstone course offers the senior Environmental Studies major the opportunity to carry out in-depth research guided by a professor, in a particular area of the field. The students presents to his/her peers in a seminar format the results of the research. Additionally, a major paper is completed.

ENV-401A SENIOR CAPSTONE PROJECT (1 Credit)

The capstone course offers the senior Environmental Studies major the opportunity to carry out in-depth research guided by a professor, in a particular area of the field. The students presents to his/her peers in a seminar format the results of the research. Additionally, a major paper is completed.