Environmental Science (ENVS)

Courses

**ENVS 1010. Intro to Environmental Science (PS). 3 Hours.**
Fulfills General Education Physical Science requirement. Introduction to the field of environmental science, focusing on how an understanding of the natural world around us and the application of scientific method can help us address problems facing our planet. Subject areas include environmental policy, natural resources, energy, and human impact to the environment. Inclusive Access Course Material fees may apply, see Fees tab under each course section for details. FA, SP, SU.

**ENVS 2000R. Field Experience: Environmental Science (LAB). 1 Hour.**
Fulfills General Education Laboratory Sciences requirement. Provides an opportunity for students to meet each other in a field-research setting and discuss a major environmental issue. The class will be held over a 3-4 day weekend (overnight stays required). Each semester the class will focus on a particular issue related to the environment that is of interest to the region where the class is being held. Repeatable up to 2 credits. Offered on sufficient student need. Prerequisite: ENVS 1010 (can be concurrently enrolled), or instructor permission.

**ENVS 2700R. Field Methods in Environmental Science. 1 Hour.**
A preparatory course for undergraduate participation in collaborative research projects in environmental science. Repeatable for a maximum of 3 credits. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to:** 1. Acquire skills in collecting and organizing scientific data from field investigations. 2. Gain familiarity with the context of the particular data set under consideration and discover how the concepts and skills they are acquiring in their other coursework can be developed through interdisciplinary research. 3. Prepare for participation in a research project. Course fee required. Prerequisite: ENVS 1010 (Grade B- or higher).

**ENVS 3910. Costa Rica Natural History. 3 Hours.**
An interdisciplinary course that introduces students to the geography, cultural history, literature, ecology and biodiversity of Costa Rica. The course will meet for an hour a week during the semester, then the participants will travel to Costa Rica for a 2-week study abroad experience. The students will live and study at field research stations in Costa Rica. Pre-trip preparation will include selected literary and scientific readings to prepare students to understand their experiences in Costa Rica. Lectures and laboratory/field experiences will focus on incorporating these readings into observations and experiences while in Costa Rica. The fee covers most costs while in Costa Rica, airfare is not included. Offered upon sufficient student need. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to:** 1. Acquire skills in understanding literary and scientific readings, while collecting and organizing scientific data from field investigations. They will gain familiarity with the context of the particular data set under consideration and will discover how the concepts and skills they are acquiring in their other coursework can be developed through interdisciplinary research. Course fee required.

**ENVS 3920. Peruvian Amazon Natural History. 3 Hours.**
An interdisciplinary course that introduces students to the geography, cultural history, literature and biodiversity of the Amazon region of Peru. The course will meet for an hour a week during the semester, then the participants will travel to Peru for a 10 day study abroad experience. Participants live and study at field research stations in Peru. Pre-trip preparation will include selected literary and scientific readings to prepare students to understand their experiences in Peru. Lectures and laboratory/field experiences will focus on incorporating these readings into observations and experiences while in Peru. Offered upon sufficient student need. Fee covers program costs while in Peru, it does not cover international flights round-trip to Iquitos, Peru ($800-$1200). Offered upon sufficient student need. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to:** 1. Acquire skills in understanding literary and scientific readings, while collecting and organizing scientific data from field investigations. They will gain familiarity with the context of the particular data set under consideration and will discover how the concepts and skills they are acquiring in their other coursework can be developed through interdisciplinary research. Course fee required.

**ENVS 3930. South Africa Natural History. 3 Hours.**
An interdisciplinary course that introduces students to the geography, cultural history, literature and biodiversity of South Africa. The course will meet for an hour a week during the semester, then the participants will travel to South Africa for a study abroad experience. Participants live and study at field research stations. Pre-trip preparation will include selected literary and scientific readings to prepare students to understand their experiences. Lectures and laboratory/field experiences will focus on incorporating these readings into observations and experiences while in South Africa. Offered upon sufficient student need. A separate study abroad fee will cover program costs while in South Africa, it does not cover international flights. Offered upon sufficient student need. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to:** 1. Acquire skills in understanding literary and scientific readings, while collecting and organizing scientific data from field investigations. 2. Gain familiarity with the context of the particular data set under consideration and will discover how the concepts and skills they are acquiring in their other coursework can be developed through interdisciplinary research. SP (even).