Environmental Sciences (ENV SCI)

Courses

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ENV SCI 8X Climate Change: The Interface of Science and Public Policy 2 Units
Terms offered: Prior to 2007
The possible impacts of climate changes enhanced by or following from human activities create challenges for planners, policy-makers, industrialists, and all citizens of the globe. This course seeks to examine the science of climate change and the policy issues that follow from that change.

Hours & Format
Summer: 6 weeks - 5 hours of lecture per week

Additional Details
Subject/Course Level: Environmental Sciences/Undergraduate
Grading/Final exam status: Letter grade. Final exam required.
Instructor: Berry

ENV SCI 10 Introduction to Environmental Sciences 3 Units
Terms offered: Fall 2013, Spring 2013, Fall 2012
A survey of biological and physical environmental problems, focusing on geologic hazards, water and air quality, water supply, solid waste, introduced and endangered species, preservation of wetland ecosystems. Interaction of technical, social, and political approaches to environmental management.

Hours & Format
Fall and/or spring: 15 weeks - 3 hours of lecture and 1 hour of discussion per week

Additional Details
Subject/Course Level: Environmental Sciences/Undergraduate
Grading/Final exam status: Letter grade. Final exam required.

ENV SCI 10L Field Study in Environmental Sciences 1 Unit
Terms offered: Fall 2010, Fall 2009, Fall 2008
Field and laboratory studies of Strawberry Creek throughout its course from the hills to the Bay are used to exemplify integration of the physical, biological, and social components of science-based approaches to environmental management.

Rules & Requirements
Prerequisites: 10 (must be taken concurrently)

-hours & Format
Fall and/or spring: 15 weeks - 2 hours of fieldwork per week

Additional Details
Subject/Course Level: Environmental Sciences/Undergraduate
Grading/Final exam status: Letter grade. Final exam not required.
Instructors: Berry, Kondolf

ENV SCI 24 Freshman Seminar 1 Unit
Terms offered: Fall 2010, Fall 2009, Spring 2009
The Freshman Seminar Program has been designed to provide new students with the opportunity to explore an intellectual topic with a faculty member in a small-seminar setting. Freshman Seminars are offered in all campus departments, and topics vary from department to department and semester to semester. Enrollment limited to fifteen freshmen.

Rules & Requirements
Repeat rules: Course may be repeated for credit when topic changes.

-hours & Format
Fall and/or spring: 15 weeks - 1 hour of seminar per week

Additional Details
Subject/Course Level: Environmental Sciences/Undergraduate
Grading/Final exam status: The grading option will be decided by the instructor when the class is offered. Final exam required.
**ENV SCI 84 Sophomore Seminar 1 or 2 Units**

Terms offered: Spring 2011, Fall 2010, Spring 2010

Sophomore seminars are small interactive courses offered by faculty members in departments all across the campus. Sophomore seminars offer opportunity for close, regular intellectual contact between faculty members and students in the crucial second year. The topics vary from department to department and semester to semester. Enrollment limited to 15 sophomores.

*Prerequisites:* At discretion of instructor

*Repeat rules:* Course may be repeated for credit when topic changes.

**Hours & Format**

*Fall and/or spring:*
- 5 weeks - 3-6 hours of seminar per week
- 10 weeks - 1.5-3 hours of seminar per week
- 15 weeks - 1-2 hours of seminar per week

*Summer:*
- 6 weeks - 2.5-5 hours of seminar per week
- 8 weeks - 1.5-3.5 hours of seminar and 2-4 hours of seminar per week

**Additional Details**

*Subject/Course Level:* Environmental Sciences/Undergraduate

*Grading/Final exam status:* The grading option will be decided by the instructor when the class is offered. Final exam required.

Sophomore Seminar: Read More [+]

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**ENV SCI 100 Introduction to the Methods of Environmental Science 4 Units**

Terms offered: Spring 2013, Spring 2012, Spring 2011

Introduction to basic methods used in environmental research by biological, physical, and social scientists. The course is designed to teach skills necessary for majors to conduct independent thesis research in the required senior seminar, 196A-196B/196L. Topics include development of research questions, sampling methods, experimental design, statistical analysis, scientific writing and graphics, and introductions to special techniques for characterizing environmental conditions and features.

This course is the prerequisite to 196A, from which the senior thesis topic statement is determined.

*Prerequisites:* Environmental science statistics requirement. Open only to declared environmental sciences majors

*Repeat rules:* Course may be repeated for credit when topic changes.

**Hours & Format**

*Fall and/or spring:*
- 15 weeks - 3 hours of lecture, 1 hour of discussion, and 1.5 hours of fieldwork per week

**Additional Details**

*Subject/Course Level:* Environmental Sciences/Undergraduate

*Grading/Final exam status:* Letter grade. Final exam not required.

Introduction to the Methods of Environmental Science: Read More [+]

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**ENV SCI 125 Environments of the San Francisco Bay Area 3 Units**

Terms offered: Spring 2011, Spring 2010, Spring 2009

The weather and climate, plants and animals, geology, landforms, and soils of the Bay Area, with an emphasis on the interaction of these physical elements, their modification by humans, and problems deriving from human use.

*Prerequisites:* Environmental science statistics requirement. Open only to declared environmental sciences majors

**Hours & Format**

*Fall and/or spring:*
- 15 weeks - 3 hours of lecture per week

**Additional Details**

*Subject/Course Level:* Environmental Sciences/Undergraduate

*Grading/Final exam status:* Letter grade. Final exam not required.

*Instructor:* Berry

Environments of the San Francisco Bay Area: Read Less [-]