

Environmental Studies

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<http://provost.ucsd.edu/muir/instructional/environmental-studies>

Faculty

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Minor in Environmental Studies

The minor addresses the scientific, technical, social, and cultural issues raised by the conflicting needs of the worldwide complex of preindustrial, industrial, and postindustrial societies.

Some of the courses related to the minor, particularly those in Group A, have significant prerequisites; students planning an Environmental Studies minor should check catalog course descriptions carefully. Some credit toward the minor may be gained through independent study, field research, study abroad, the Academic Internship Program, and others (prior approval strongly recommended). Petitions for petitionable courses, transfer courses, and individual additions to the courses listed below must be approved by the chair of the Environmental Studies Steering Committee. For updates, individual advising, and quarterly lists, please come to the Environmental Studies Office: Muir Interdisciplinary Studies, 2073 HSS, mail code 0106, phone (858) 534-3589.

Applicable and Petitionable Courses

Environmentally-based courses offered by UCSD departments fall into two categories: applicable and petitionable. Applicable courses are those which have been approved as always applying to the ENVR minor. Petitionable courses are either new and therefore not yet approved as applicable or are "topics" courses which focus on environmental matters only in particular quarters. Petitionable courses may be approved by petition to the minor during the quarters in which they appear in the ENVR quarterly lists.

Quarterly Lists

Each quarter, when the upcoming quarter's *Schedule of Classes* is published, the Environmental Studies quarterly list is available in 2073 HSS and at the Web site. It is an important, comprehensive source of information about ENVR course offerings as well as those from departments throughout the campus. It identifies applicable as well as petitionable courses for a given quarter. For reference, the office and the Web site maintain archives of quarterly lists.

The minor is structured as follows:

Required:

Environmental Studies 30, usually offered in the fall quarter.

Environmental Studies 130, usually offered in the spring quarter (need not be taken consecutively).

Required:

Five additional courses, at least four in the upper-division, from the following two groups. At least one course must be taken from Group A and one from Group B.

Group A—Natural Sciences

Biology LD 3. Organismic and Evolutionary Biology

BIEB 120. General Ecology

BIEB 121. General Ecology Laboratory

BIEB 130. Introductory Marine Ecology

BIEB 131. Marine Invertebrate Ecology Laboratory

BIEB 132. Introduction to Marine Biology

BIEB 134. Introduction to Biological

Oceanography

BIEB 140. Biodiversity

BIEB 165. Behavioral Ecology Laboratory

BIEB 166. Animal Behavior and Communication

BIEB 176. Conservation and the Human

Predicament (cross-listed with ANBI 132)

BIEB 178. Principles of Conservation Biology

Biology EB 179. Conservation Biology Laboratory

Chemistry 15. Chemistry of the Universe

Chemistry 149A. Environmental Chemistry

Chemistry 149B. Environmental Chemistry

Chemistry 173. Atmospheric Chemistry

Earth Sciences 10. The Earth

Earth Sciences 12. History of Earth and Evolution

Earth Sciences 15. Natural Disasters

Earth Sciences 16. Geology of National Parks

Earth Sciences 20. The Atmosphere

Earth Sciences 30. The Oceans

Earth Sciences 35. Water

Earth Sciences 110. Introduction to GIS for Earth and Environmental Scientists

Earth Sciences 150. Environmental Perils

Environmental Studies 102. Selected Topics in

Environmental Studies (when taught from a natural sciences perspective)

Environmental Systems 101. The Living Earth

Environmental Systems 103. The Human Earth

Environmental Systems 120. Science and

Environmental Writing

Environmental Systems 150. Environmental Perils

MAE 118A. Energy: Non-Nuclear Energy

Technologies

Physics 12. Energy and the Environment

Science, Technology, Public Affairs 35. Society and the Sea

Group B—Social Sciences/Humanities

ANGN 108. Archaeology of the UCSD Campus

ANGN 160. Nature, Culture and Environmentalism

ANGN 182. Origins of Agriculture and Sedentism (was ANGN 100)

ANBI 132. Conservation and the Human Predicament (cross-listed with BIEB 176)

Communication CUL 148. Communication and the Environment

Economics 131. Economics of the Environment

Economics 132. Energy Economics

Economics 145. Economics of Ocean Resources

Environmental Studies 102. Selected Topics in

Environmental Studies (when taught from a humanities/social sciences perspective)

Environmental Studies 110. Environmental Law

Ethnic Studies 103. Environmental Racism

History SC 105A. History of Environmentalism

History US 137. The Built Environment in the Twentieth Century
History US 154. Western Environmental History (cross-listed with USP 160)
IRPS GN 458. International Environmental Policy
IRPS GN 459. Conflict Resolution of Environmental Issues
Philosophy 148. Philosophy and the Environment
Philosophy 164. Technology and Human Values
Political Science 162. Environmental Policy
Soc/C 149. Sociology of the Environment
Urban Studies & Planning 2. Urban World System
Urban Studies & Planning 124. Land Use Planning and Preventive Health Issues
Urban Studies & Planning 171. Sustainable Development

COURSES

For course descriptions not found in the 2006–2007 General Catalog, please contact the department for more information.

30. Environmental Issues: Natural Sciences (4)
Examines global and regional environmental issues. The approach is to consider the scientific basis for policy options. Simple principles of chemistry and biology are introduced. The scope of problems include: air and water pollution, climate modification, solid-waste disposal, hazardous-waste treatment, and environmental impact assessment. *Prerequisite: none.*

87. Environmental Studies Freshman Seminar (1)
The Freshman Seminar Program is 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 undergraduate colleges, and topics vary from quarter to quarter. Enrollment is limited to fifteen to twenty students, with preference given to entering freshmen.

90. Undergraduate Seminar (1)
Provides an introduction to environmental studies. Faculty members from departments in natural sciences, social sciences, and humanities offer perspectives on human interaction with the environment and the ways in which the interplay between nature and culture can be analyzed. May be repeated for credit as topics vary.

102. Selected Topics in Environmental Studies (4)
An interdisciplinary course focusing on one of a variety of topics related to environmental studies such as environmental policy and politics, foreign study in environmental problems, environmental history, nature writers, ethics and the environment. May be repeated for credit as topics vary. *Prerequisite: upper-division standing or consent of instructor.*

110. Environmental Law (4)
Explores environmental policy in the United States and the ways in which it is reflected in law. The social and political issues addressed include environmental justice and environmental racism, as well as the role of government in implementing environmental law. *Prerequisite: upper-division standing or consent of instructor.*

130. Environmental Issues: Social Sciences (4)
Explores contemporary environmental issues from the perspective of the social sciences. It includes the cultural framing of environmental issues and appropriate social action, the analysis of economic incentives and constraints, and a comparison of policy approaches. *Prerequisite: upper-division standing or consent of instructor.*

195. Apprentice Teaching (0-4)
Instructor will define assistant's responsibilities in preparing class presentations, leading students' discussions, and evaluating students' work.

198. Directed Group Study (4)
Directed group research and study, normally with a focus on areas not otherwise covered in the curriculum. *Prerequisite: upper-division standing or consent of instructor. Department stamp required.*

199. Independent Study (4)
Independent study in a topic not generally covered in the regular curriculum.

500. Apprentice Teaching in Environmental Studies (4)
A course in which teaching assistants are aided in learning proper teaching methods by means of supervision of their work by the faculty: handling of discussions, preparation and grading of examinations and other written exercises, and student relations. *Prerequisite: graduate standing.*