ENVIRONMENTAL SCIENCES (ENVS)

Courses

ENVS 401. Earth System Science and Global Change. 4 Units.
A systems-level approach to understanding environmental issues. Explores the dynamic biogeophysical processes in the atmosphere, biosphere, geosphere, hydrosphere, and sociosphere. Focuses on acquiring an interdisciplinary understanding of the basic principles and concepts of earth system science and the human dimensions of global environmental change.

ENVS 434. The Environmental Context of Community Health. 3 Units.
Studies the biological, ecological, and human environmental factors of a region; and of community health and how environmental factors affect it. Students engage local communities, learn about local ecology and health issues, and participate in ongoing projects that build on community assets and address the key needs. Includes dialogue with community partners as they consider interventions to improve the health of their communities, along with possible implementation strategies. Initial meeting on Loma Linda University campus, followed by three weeks of on-site environmental and community health study in a developing country.

ENVS 455. Environmental Law and Regulation. 4 Units.
Introduces local, state, federal, and global laws and policies regarding the use, ownership, protection, and regulation of natural resources. Emphasizes understanding of the decision-making process behind the rights and limits of private, public, and governmental parties when utilizing or protecting natural resources.

ENVS 485. Seminar in Environmental Sciences. 0.5 Units.
Selected topics dealing with recent developments. May be repeated for additional credit.

ENVS 487. Internship in Environmental Sciences. 4, 8 Units.
Working under the joint supervision of a faculty member and an off-campus sponsor, student develops an environmental sciences academic component within the internship. Student also participates directly in the maintenance or conservation of the environment. May be repeated for additional credit for up to 8 units. Prerequisite: Internship and registration approval by a faculty member in the Department of Earth and Biological Sciences.

ENVS 488. Topics in Environmental Sciences. 1-4 Units.
Reviews current knowledge in specified areas of environmental sciences. Registration indicates specific topic to be studied. May be repeated for additional credit. Offered on demand.

ENVS 495. Special Projects in Environmental Sciences. 1-4 Units.
Special project in the field, laboratory, or library under the direction of a faculty member. May be repeated for additional credit.

ENVS 497. Undergraduate Research. 1-4 Units.
Original investigation and/or literature study pursued under the direction of a faculty member. May be repeated for additional credit.