

Department of Environmental Studies

Course descriptions:

1. ENVS 101 - Natural Resource Management.

3 units.

Meets Ohlone College General Education Plan - AREA I, NATURAL SCIENCE. CSU and IGETC (UC) plans pending approval from the universities.

Quantitative analysis of earth's natural resources and the role of human populations in their use, sustainable development, and exploitation. Topics typically include the status and trends of resources such as topsoil degradation, agriculture, water, energy, and wildlife. Emphasis is on problem solving and computational methods applied to resource management problems.

2. ENVS 102 - Environmental Law and Regulations.

3 units.

Meets Ohlone College General Education Plan - AREA IV ANALYTICAL THINKING AND ORAL COMMUNICATION. CSU and IGETC (UC) plans pending approval from the universities.

This course explores fundamental legal and policy issues in environmental law.

Legislative, judicial, and administrative controls over public and private actions impacting on the environment. Examination of the statutory, administrative, and judicial decisions relating to the environment and of government actors, agencies, and citizens making these decisions.

3. ENVS 103 - The Environment and Human Health.

3 units.

Meets Ohlone College General Education Plan - AREA II SOCIAL SCIENCE, and AREA VI CULTURAL DIVERSITY. CSU and IGETC (UC) plans pending approval from the universities.

A by-product of human population growth is the modification of habitat and the surrounding environment. This course examines the close link between human health and environmental health, particularly focusing on how pollution of the air, water, and land, as well as contamination of our food and ecosystems impacts the human body.

4. ENVS 108/BIOL 108 – Human Ecology.

3 units.

Meets Ohlone College General Education Plan, as well CSU and IGETC (UC) plans.

Human Ecology is an interdisciplinary, general education course that identifies problems created by man's modification of his environment; presents solutions to these problems and offers appropriate alternatives.

5. ENVS 142/BIOL 142 – Environmental Biology.

4 units.

Meets Ohlone College General Education Plan, as well CSU and IGETC (UC) plans.

This lecture and lab course is an introduction to the biological sciences focusing on diversity; organismal interactions with their environment and with other organisms (ecology), the effects humans have had on biological diversity and ecosystems, and efforts to protect species and their habitats (conservation). Enrollment is open to all students. No previous biology experience required.

6. ENVS 213- Solar Photovoltaic Design and Installation

3 units.

Introduction of solar photovoltaic system requirements, design and configurations, installation techniques, and their application in residential and commercial construction. Entry-level Certification Exam from NABCEP is an option.