

Environmental Science & Technology

ENVS 101 ENVIRONMENTAL SCIENCE LABORATORY

An introduction to environmental science that explores the causes, impacts, and solutions to contemporary environmental issues through lab, field, and written exercises. Coursework highlights the methods and tools used in environmental fields and the interdisciplinary nature of the issues and solutions. *Letter Grade Only. Degree Credit.*

Units: 1

Hours/semester: 48-54 Lab

Prerequisites: Completion of, or concurrent enrollment in ENVS 100 (offered at Skyline), or, ENVS 115

AA/AS Degree Requirements: Area B3 - only if ENVS 115 is successfully completed prior to or concurrently with ENVS 101

Transfer Credit: CSU (CSU GE Area B3 - only if ENVS 115 is successfully completed prior to or concurrently with ENVS 101), UC (IGETC Area 5C*)

ENVS 115 ENVIRONMENTAL SCIENCE

Introduction to environmental issues from a scientific perspective, focusing on physical, chemical, and biological processes within the Earth system, the interaction between humans and these processes, and the process and role of science in finding sustainable solutions. Topics include contemporary environmental issues related to resource use, pollution, and human population growth. Field trips may be required. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

Units: 3

Hours/semester: 48-54 Lecture; 96-108 Homework

AA/AS Degree Requirements: Area B1, B2

Transfer Credit: CSU (CSU GE Area B1, B2), UC (IGETC Area 5A, 5B)

ENVS 120 GLOBAL CLIMATE CHANGE

An introduction to global climate change from a scientific perspective, focusing on Earth processes, the interaction between humans and these processes, and the role of science in finding sustainable solutions. Topics include natural and human causes of climate change, today and over geologic time; Earth feedback systems that regulate climate; impacts of climate change on ecosystems and human constructs; mitigation and adaptation solutions; use

of models to understand and track climate change; and the role of public policy in creating equitable solutions. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

Units: 3

Hours/semester: 48-54 Lecture; 96-108 Homework

Recommended: Eligibility for ENGL 100.

ENVS 695 INDEPENDENT STUDY

Designed for students who are interested in furthering their knowledge via self-paced, individualized instruction provided in selected areas or directed study to be arranged with instructor and approved by the division dean using the Independent Study Form. Varying modes of instruction can be used -- laboratory, research, skill development, etc. For each unit earned, students are required to devote three hours per week throughout the semester. Students may take only one Independent Study course within a given discipline. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

Units: 0.5 - 3

Hours/semester: 24-162 Lab

Transfer Credit: CSU

