

OCEANOGRAPHY (OCEAN) COURSES

OCEAN 101 3 Units

Elements of Oceanography

Lecture: 54 contact hours

Prerequisite/Corequisite: ENGL 101 or ENGL 101H

Advisory: MATH 102 or higher

This course explores the geological processes that created the ocean basins, chemistry of sea water, physical motions of the oceans, and the interrelationships of biological communities with their physical environments. Oceanographers and related scientists from traditionally underrepresented groups are featured throughout this course. Environmental issues and environmental justice movements associated with the world's oceans fundamentally inform this course. Geospatial analysis of world oceans, including Geographic Information Systems (GIS) and remote sensing, is an integral component of this course. It is recommended that transfer students also enroll in the companion OCEAN 111, Elements of Oceanography Laboratory.

Associate Degree Applicable

Transfers to both UC/CSU

OCEAN 111 1 Unit

Elements of Oceanography Laboratory

Lab: 54 contact hours

Prerequisite/Corequisite: OCEAN 101

This hands-on course introduces students to techniques of oceanography, including bathymetry, charts, and methods of studying the physical ocean environment. Oceanographers and related scientists from traditionally underrepresented groups are featured throughout this course. Environmental issue and environmental justice movements associated with the world's oceans fundamentally inform this course. This course is recommended for students concurrently enrolled in OCEAN 101 or who have successfully completed the course within the last three years.

Associate Degree Applicable

Transfers to both UC/CSU