

OCEANOGRAPHY (OCEN)

OCEN 1010 - Introduction to Oceanography (3 Credits)

This course is a study of the marine environment. It focuses on the interdisciplinary nature of oceanography by exploring the principles of geological, physical, chemical, and biological oceanography. Topics include the origin of oceans; the composition and history of seawater; oceanic currents, tides, and waves; coastlines and coastal processes; the sea floor; plant and animal life; oceanic resources; marine pollution; and the causes and consequences of climate change as related to the oceanic environment. Note: Completion of both OCEN 1010 and OCEN 1030 satisfy one laboratory science requirement in the liberal arts and general studies programs.

Lecture: 3 hours

Course completes the following requirements:

Gen.Ed. Ability 2A

Gen.Ed. Ability 3B

Mathematics and Science

URI/RIC Transfer General Education Transfer Opportunity: Yes

OCEN 1030 - Oceanography Laboratory (1 Credit)

This lab course emphasizes topics covered in Introduction to Oceanography (OCEN 1010). Laboratory exercises explore the interdisciplinary nature of oceanography. Topics include how and why life in the ocean has changed over time; the taxonomy and habitats of common marine organisms; the effects of human activities including nutrient pollution, climate change, and invasive species; the seafloor; alternative oceanic energy resources; and the collection and interpretation of scientific data from various sources, e.g. online, in the field, and the laboratory. Note: Completion of both OCEN 1010 and OCEN 1030 satisfy one laboratory science requirement in the Liberal Arts and General Studies programs.

Lab: 2 hours

Prerequisite(s): OCEN 1010 (may be taken concurrently)

Course completes the following requirements:

Gen.Ed. Ability 2A

Gen.Ed. Ability 3B

Mathematics and Science

URI/RIC Transfer General Education Transfer Opportunity: Yes