

OCEN (Oceanography)

OCEN 1010 - Introduction to Oceanography

(3 Credits)

This course is a study of the marine environment describing principles of physical, chemical, biological and geological oceanography. topics include the origin of oceans; the composition and history of seawater; oceanic currents, tides, waves and beaches; the sea floor; plant and animal life in the sea; oceanic resources and food; and marine pollution. Note: Completion of both OCEN 1010 and OCEN 1030 will satisfy one laboratory science requirement in the liberal arts and general studies programs. Lecture: 3 hours Completes the following requirement(s): mathematics and science (MSCI)

OCEN 1020 - Applied Oceanography

(3 Credits)

This course covers ocean resources,; minerals and fossil fuels and marine mining; offshore petroleum exploration, operation and development; and alternative energy resources from the ocean. It also explores geological and geophysical techniques including satellite observation and remote sensing of the oceans; subsurface and aerial maps and photos; and hydrographic charts and geochemical techniques of ascertaining the quality of sea water. Oceanic problems on national, state and local levels are examined in greater depth. Narragansett Bay is used as the case study. Lecture: 3 hours

OCEN 1030 - Oceanography Laboratory

(1 Credit)

This lab course emphasizes topics covered in OCEN 1010 (Introduction to Oceanography) such as ocean life, sediments, salinity, currents and plate tectonics. It allows a more hands-on approach to learning. Note: Completion of both OCEN 1010 AND OCEN 1030 will satisfy one laboratory science requirement in the Liberal Arts and General Studies programs. Lab: 2 hours Lab Fee: \$10.00 Completes the following requirement(s): mathematics and science (MSCI)