

OCN 201 : Science of the Sea

Credits: 3

Class Hours: 3 lecture

Prerequisites:

Qualified for ENG 100 and MATH 82X.

Description:

This is a survey course of the ocean involving the study of the geological, physical, chemical, and biological properties of the ocean. A number of subjects are studied to include the ocean basin, seawater properties, currents, waves, tides, marine organisms, and the ecological principles of humans and the sea.

Semester Offered: Fall, Spring

Designation: Diversification: Physical Sciences – DP

Course Student Learning Outcomes (CSLOs):

1. Apply the scientific theory of plate tectonics to describe the origin, evolution, and features of ocean basins and continents.
2. Explain the physical and chemical properties of seawater important for understanding the role of our oceans for climate and life on Earth.
3. Explain the role of the ocean in the climate system.
4. Explain the physical factors which influence life in the oceans.