

SEA SEMESTER:

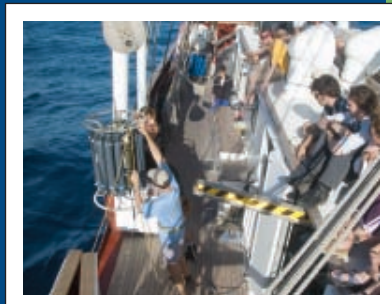
Oceans & Climate

An Upper-Level Ocean Science Semester
Offered by Sea Education Association

Understanding climate change is the predominant scientific challenge of our time, and the timely application of this knowledge to public policy is crucial to the future of the planet. This oceanography-focused semester examines how the global ocean functions in the climate system. Incorporating perspectives from the social sciences, we investigate how scientific knowledge is used in public policy. Together with SEA's experienced faculty, prominent visiting lecturers share their research and work directly with students. A 3000-mile research cruise offers a unique opportunity to study the remote open ocean environment through directed research projects.

On Shore in Woods Hole

During the 6-week shore component, intensive academic coursework prepares students for their research cruise. With full access to SEA faculty, distinguished guest lecturers, and the world-renowned Woods Hole Oceanographic Institution/Marine Biological Laboratory Library, students design original research projects to be completed at sea. Students also work towards establishing seamanship skills while exploring the anthropological connections to their research.



At Sea in the Equatorial Pacific

As full, working members of the scientific team and sailing crew aboard the S.S.V *Robert C. Seamans*, a state-of-the-art research vessel, students deploy oceanographic sampling equipment, complete their research projects, manage shipboard operations, navigate by the stars, and make port stops off the beaten path.

For more information
800-552-3633 x 770 admission@sea.edu www.sea.edu

Former Visiting Distinguished Lecturers

- Dr. Francisco Chavez, Monterey Bay Aquarium Research Institute
- Dr. Scott Doney, Woods Hole Oceanographic Institution
- Dr. Hugh Ducklow, Marine Biological Laboratory
- Dr. Cynthia Pilskaln, University of Massachusetts, Dartmouth
- Dr. Christopher Sabine, NOAA Pacific Marine Environmental Lab
- Dr. Jorge Sarmiento, Princeton University
- Dr. Deborah Steinberg, Virginia Institute of Marine Science
- Dr. Peter Stratton, Oregon State University
- Dr. Matthias Tomczak, University of Flinders

Courses and Credit

A total of 17 credits are issued through Boston University upon successful completion.

Shore Component:

Oceans in the Global Carbon Cycle, 4 credits;
Ocean Science and Public Policy, 4 credits; Nautical Science: Seamanship for Oceanographers, 3 credits.

Sea Component:

Oceanographic Research Techniques, 3 credits; Oceanography Research in Oceans and Climate, 4 credits.

