REGISTRATION

Fall 2015 course registration for Bowdoin students begins April 7, 2015. Check the website for prerequisites and other course details.

Students from the 12 College Exchange are encouraged to apply (use the 12 College Exchange application). Students from other institutions should contact David Carlon.

For more information, visit BOWDOIN.EDU/COASTAL-STUDIES-CENTER/COURSES

Contact David Carlon, director of the Bowdoin College Coastal Studies Center and associate professor of biology, at dcarlon@bowdoin.edu or 207-798-4364.
THE PROGRAM

This new program offers immersive experience in marine field work, lab work, and independent research for students interested in marine biology, biology, biochemistry, chemistry, earth and oceanographic science, and environmental studies.

WHERE: The Bowdoin College Coastal Studies Center on Harpswell Sound in Maine, eleven miles from campus. (Students will reside on Bowdoin’s main campus in Brunswick.)

WHEN: Fall semester, starting in 2015. (Classes, labs, and field trips are generally Monday–Thursday, 9:00 a.m.–3:30 p.m., with some arrival and departure exceptions due to tides. Fridays are flexible—students might work on independent research or remain on the main campus.)

WHO: Sophomores–Seniors. Students from the 12 College Program may also enroll.

FEATURES: Field trips and field seminars in the Gulf of Maine and Baja, California.

CREDIT: Four course credits for the entire semester. Each course module has the same contact hours as a full semester course. Students from other institutions should consult David Carlon and their advisor at their home institution to discuss course credit.

FIELD WORK AND FIELD TRIPS

■ The semester will take advantage of pelagic and benthic habitats in and around Casco Bay, using the Coastal Studies Center as a base (eleven miles from Bowdoin’s main campus).

■ Longer excursions to other key ecosystems in the Gulf of Maine will include:
  
  - A three-day cruise on the schooner Bowdoin (the seventy-two-foot sailing vessel once used for Arctic travel and exploration by Donald MacMillan, Bowdoin Class of 1898) to collect plankton samples across an inshore-offshore transect into the gulf.
  
  - A multi-day trip to Hurricane Island in Vinalhaven, Maine, involving a long-term project on measuring climate change in the rocky intertidal.

■ Tropical Field Seminar: A ten-day trip to Baja California Sur featuring near-shore tropical ecosystems including coral reefs, introductions to the biodiversity of reef and pelagic systems, and offering contrasts in ecosystem function and climate change resilience compared to the native temperate waters of the Gulf of Maine.

“With this class, we learn the techniques but also the process of conducting research from gathering samples, analyzing data, finding patterns, and determining the statistical relevance of these patterns. We have the unique experience to work toward publication and conduct research where we do not know the outcome. Everything about this class is ‘hands-on.’ Lecture and lab are well integrated so we are able to learn the background or theory behind procedures or statistical testing and then perform them first-hand in our labs.”

SELENA LORREY ’17
A Bowdoin student in the course Marine Molecular Ecology and Evolution, Fall 2014

“It is both challenging yet exhilarating at the same time. Having the opportunity to partake in such new research and using state-of-the-art technologies including Next-Generation Sequencing is unbelievable.”

ROBERT BARRON ’17
A Bowdoin student in Marine Molecular Ecology and Evolution, Fall 2014

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