2013 Summer Field Courses at BIOS

Coral Reef Ecology

The reef ecosystem at all organizational levels July 7 - July 27
Drs. Eric Hochberg and Gretchen Goodbody-Gringley

An integrated exposure to the coral reef ecosystem at all organizational levels, from physiological ecology through population biology, community structure to ecosystem dynamics, and ending with consideration of human impacts and climate change. The course has a large practical component, and the field surveys along with complementary laboratory analysis provide training in many techniques commonly used in coral reef research. SCUBA certification required.

Microbial Oceanography

The Biogeochemistry, Ecology and Genomics of Oceanic Microbial Ecosystems June 16 - July 6
Drs. Craig Carlson and Craig Nelson, University of California Santa Barbara; Dr. Stephen Giovannoni, Oregon State University and Dr. John Heidelberg, The University of Southern California

The recent synthesis of biogeochemistry, microbiology and environmental genomics has made the marine water column one of the most exciting topics of modern ecological research. This course presents an integrated perspective, using a combination of lectures, laboratory experiments, bioinformatics laboratory exercises, and field trips to the open ocean and coral reefs—including an open-ocean research cruise aboard the 168 ft. BIOS research vessel, Atlantic Explorer.

Scholarships available to all candidates, with specific scholarships available to UK and Canadian students. Deadline for applications is April 15th. Email education@bios.edu or T 441-297-1880 x115 for more information. www.bios.edu/education/summer_courses/