

FIELD MARINE BIOLOGY and ECOLOGY

JULY 26– AUGUST 23, 2010

BIOSM 3750/ZOOL 675: 8 semester credits

PREREQUISITE: 1 full year of college level biology

FACULTY:

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COURSE DESCRIPTION: (also see: http://www.sml.cornell.edu/sml_cc_fmbe.html)

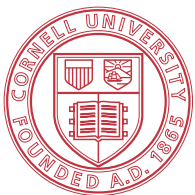
Field Marine Biology and Ecology (FMB&E) emphasizes field work in marine intertidal communities. The course focuses on invertebrate zoology, phycology (seaweeds), and marine ecology. Additional topics include field research methods, marine biodiversity, and climate change. Field trips to a diversity of habitats around Appledore island are an integral part of the course and are supported by lectures, labs, and discussions.

During the first two weeks, students learn how to “read” the shore to understand how the physical and biological worlds interact to create communities. They learn to interpret structure and function in seaweed and invertebrate species, experiencing them first hand, in the field and lab. They also gain basic background on the phylogenetic relationships of major phyla.

During the last two weeks of the course, students apply their knowledge by conducting an intertidal transect study around the entire Appledore island. The transect study adds to a long-term dataset that spans over 30 seasons of FMB&E at the Shoals Marine Laboratory. Come experience the marine sciences and be a part of science history.

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