



BIOLOGICAL SCIENCES 472

Special Topics – Marine Ecology

Spring 2011 (1111)

Instructor	Office	Phone	E-mail
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COURSE PREREQUISITES

BISC 306 or 316 with C- or better¹

COURSE DESCRIPTION

This lecture and tutorial course will provide a broad overview of the key processes, ecosystems and human impacts of the world's seas and oceans. The course will consist of 20 lectures and 10 tutorials begin with a refresher of the fundamentals of ecology and overview the geology of the world's oceans and the key physical processes (water chemistry, winds, currents, waves and tides) that underlie primary production. The middle of the course will consist of an overview of key ecosystems ranging from the intertidal to the deep ocean to polar seas and highlight linkages among ecosystems. The final part of the course will cover human use, impacts and management of the oceans, including fisheries, climate change, ocean acidification and energy exploration and use.

RECOMMENDED TEXTBOOK(S)

Introduction to Marine Biology. Karlskint, Turner, Small
Marine ecology: processes, systems, and impacts. Kaiser

MARK DISTRIBUTION

Midterms x 3	50%
Project Talk	5%
Project proposal	20%
Tutorial	25%

¹Prerequisite Minimum Grade Requirement: Unless stated, a grade of C- or better is required on all Prerequisite BISC & MBB courses.