

# Oceanography and Marine Studies

ADMINISTERED BY THE DEPARTMENT OF GEOLOGICAL SCIENCES

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## Faculty Committee for Marine Studies

**Todd W. Anderson**, Ph.D., Professor of Biology,  
Director of Coastal and Marine Institute

**Stephen A. Schellenberg**, Ph.D., Professor of Geological  
Sciences, Assistant Vice President for Educational Effectiveness,  
Division of Academic Engagement and Student Achievement

## General Information

San Diego State University provides preparation for ocean-oriented careers by offering marine-related coursework, research opportunities and oceanographic experience within regular degree programs in the Departments of Biology, Chemistry and Biochemistry, Economics, Civil, Construction, and Environmental Engineering, Mechanical Engineering, Geography, Geological Sciences, and the School of Public Health. Degrees in general oceanography or marine studies are not offered by the university. However, a Master of Arts or Master of Science degree may be earned as an Interdisciplinary Studies major (see the appropriate section in this bulletin).

Specific courses in oceanography (listed below) are offered with the cooperation of faculty from the participating departments. Advanced coursework and research in geological and physical oceanography are conducted in the Geological Sciences Department. Advanced courses and research in biological oceanography, marine biology, marine botany, marine ecology, and marine zoology are in the Department of Biology. The School of Public Health also offers a Master of Science degree with a concentration in Environmental Health Science with a focus on water and soil contamination and management of hazardous wastes. Marine-related coursework and research are offered in the Departments of Economics, Geography and in the College of Engineering. Students who require advising in these areas should inquire at the Coastal and Marine Institute or the appropriate department.

The Coastal and Marine Institute coordinates work in the area of marine studies and provides special supporting services to the faculty, staff, and students which includes student advising, assistance in research and publication, and a boat operations and research diving program. The director of the Coastal and Marine Institute reports to the dean of the College of Sciences. (For additional information, refer to College of Sciences.)

## Courses Acceptable for Oceanography and Marine Studies

*Refer to Courses and Curricula and Regulations of the Division of Graduate Affairs sections of this bulletin for explanation of the course numbering system, unit or credit hour, prerequisites, and related information.*

### Biology Courses (BIOL)

Adviser: Todd W. Anderson, Ph.D.

BIOL 515	Marine Invertebrate Biology.....	4
BIOL 517	Marine Ecology.....	3

### Economics Course (ECON)

ECON 696	Experimental Topics.....	3*
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### Civil Engineering Courses (CIV E)

CIV E 632	Computational Hydraulics and Hydrology.....	3
CIV E 641	Advanced Foundation Engineering.....	3

### Geography Courses (GEOG)

GEOG 592	Intermediate Remote Sensing of Environment.....	3
GEOG 592L	Intermediate Remote Sensing of Environment Laboratory.....	1
GEOG 670	Environmental Conservation Theory.....	3
GEOG 770	Seminar in Environmental Conservation.....	3

### Public Health Courses (P H)

P H 634	Environmental Protection.....	3
P H 639	Water Quality Investigation.....	3

\*Acceptable when of relevant content.