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
Richard M. Gersberg, Ph.D., Professor of Public Health
Stephen A. Schellenberg, Ph.D., Professor of Geological Sciences
and Assistant Vice President for Educational Effectiveness of the
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 Graduate 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 depart-
ments. Advanced coursework and research in geological and
physical oceanography are conducted in the Geological Sciences
Department. Advanced courses and research in biological ocean-
ography, marine biology, marine botany, marine ecology, and
marine zoology are in the Department of Biology. The Graduate
School of Public Health also offers a Master of Science degree
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 addi-
tional information, refer to College of Sciences in Part One.)

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 .................................................4

Economics Course (ECON)
ECON 696 Experimental Topics ..................................3*

Civil Engineering Courses (CIV E)
CIV E 632 Computational Hydraulics and Hydrology ....3
CIV E 641 Advanced Foundation Engineering ..............3

Geography Courses (GEOG)
Adviser: Douglas A. Stow, Ph.D.
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)
Adviser: Richard M. Gersberg, Ph.D.
P H 634 Environmental Protection..........................3
P H 639 Water Quality Investigation .........................3

*Acceptable when of relevant content.