



INSTRUCTORS

Dr. Larry G. Allen (Ecology of Marine Fishes) received his Ph.D. in 1980 from the University of Southern California and has been on the faculty at CSUN since 1982. His research has focused on the biogeography and ecology of California coastal marine fishes.

Dr. Robert C. Carpenter (Phycology) received his Ph.D. in Ecology from the University of Georgia in 1984 and has maintained research interests in coral reef algal communities, herbivore-algal interactions, and how the physical environment influences the structure and function of shallow-water communities. For the past 12 years, he and his students have been studying the physiological ecology of algae that live in the kelp understory environment at Santa Catalina Island.

Dr. Steve R. Dudgeon (Marine Biology) received his Ph.D. in 1992 from University of Maine, and has been on the faculty at CSUN since 1999. His research interests include both the population ecology and evolution of life histories on clonal marine organisms and the scale- and context-dependence of ecological processes in community development.

Dr. Mark A. Steele (Ecology of Marine Fishes) received his Ph.D. from the University of California, Santa Barbara in 1995 and recently joined the faculty at CSUN this 2005. His research involves the contributions of predation, competition, and recruitment to population regulation of temperate and tropical reef fishes.

FALL 2008

**1 September 2008 – 12 December 2008
(Thanksgiving Break 27-30 November)**

OVERVIEW

This semester-long program provides an intensive undergraduate exposure to marine biology, and is designed for students with a serious commitment to environmental and marine science. The program is based at the Wrigley Marine Science Center (WMSC), situated on Santa Catalina Island, 26 miles from Los Angeles, CA. This location provides access to beautiful, pristine marine habitats and breathtaking island views. WMSC is owned and operated by the University of Southern California (USC), and the program is being offered through the California State Universities, affiliated with the Ocean Studies Institute (OSI) and the Southern California Marine Institute (SCMI).

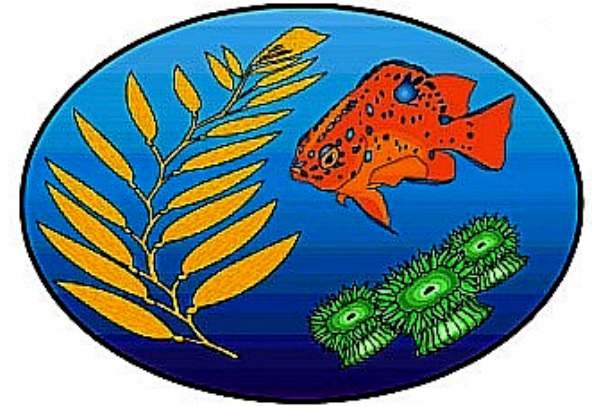


Students will spend 15 weeks on Santa Catalina Island and will be based in the newly-renovated dormitory and laboratory facilities. Residency at this marine laboratory provides ready access to an invigorating educational environment that provides both state-of-the-art laboratory facilities and ready access to a diversity of marine habitats.

Throughout the semester, students are introduced to a sequence of courses (Fall 2008: Marine Biology, Marine Phycology, and Ecology of Marine Fishes) that prepare them to complete a directed research study in a topic of their choice. All courses provide a strong element of hands-on field experience, which provides the comprehensive training that can help in career choices and graduate decisions. A research diving certification course is planned for a two-week period before the semester begins, at an additional cost for qualified students who wish to dive on SCUBA during the semester. However, only snorkeling skills are required for class participation. Please note: these courses will occupy daytime and in many cases, evening hours, including some weekends.

CALIFORNIA STATE
UNIVERSITY

MARINE BIOLOGY SEMESTER



SANTA CATALINA ISLAND

FALL 2008

**1 September – 12 December 2008
(Thanksgiving Break 27-30 November)**

**Offered by the
OCEAN STUDIES INSTITUTE**

FACILITIES



Students live on a private and undeveloped portion of Santa Catalina Island, approximately 40-50 minutes' walk from the Two Harbors settlement which provides access to the commercial ferry to Los Angeles. On-site accommodations are residential dormitory-style, and students receive three meals a day. The laboratory is a short walk from the dorms and includes teaching labs and a well-equipped lecture auditorium. Daily instruction consists of lectures, lab work, and field work in nearby marine habitats. SCUBA diving can be accommodated within the framework of the AAUS diving program.

PROJECTED COSTS *

A. Tuition (15 semester units)*	
CSU Undergraduate student	\$1,558
CSU Graduate student	\$1,879
Non-CSU student	\$3,048
(Extended Education/Open University Schedule)	
B. Board and Lodging*	
(Same for all students)	\$4,160
C. Lab and Facility Fees*	
CSU & students from other CA univ.	\$ 765
Students from out-of-state universities	\$4,925

*Note:

- All costs are for Fall '07 and could change for Fall '08.
- Students seeking **financial aid** should contact **Dr. Larry G. Allen** (larry.allen@csun.edu) for support with Catalina Semester fees.
- Two round-trip passages to the island are included (at the start and end of the semester, and over Thanksgiving).
- There will be additional costs for books, dissecting equipment, library privileges and personal field equipment.

OSI COURSES (Upper division)

Marine Biology
(Biol 421/L; 492B: 4 units)
1 September– 26 September
Study of pelagic and benthic marine ecosystems, including human influences.
Instructor: **Dr. Steven Dudgeon**



Marine Phycology
(Biol 504/L; 592P; 4 semester units);
29 September - 24 October
This course covers the taxonomy, morphology, physiology, and ecology of the major algal groups.
Instructor: **Robert C. Carpenter, Ph.D.**



Ecology of Marine Fishes
(Biol 531/L; 592Q: 4 units)
27 October – 21 November
A course covering species assemblages, general ecology, and behavioral ecology of the marine fishes of Catalina Island and the surrounding waters.
Instructors: **Drs. Mark Steele and Larry Allen**



Directed Research
(Biol 499C/699C: 3 units)
24 November – 12 December (except Thanksgiving break)
Students develop their ideas during the first 12 weeks of the semester, prepare a research proposal, complete their studies, and present their findings in a mini-symposium and a report.
Instructors: **Drs. Allen, Dudgeon, Carpenter, & Steele**

Directed Undergraduate Research
(Biol 490/495: 1, 3 semester units),
A student may request to take 4 units as a combination of 490 or 495, with the consent of the instructors, to replace one of the three 4-unit classes if the student has already taken that class.



APPLICATIONS

Applications will be taken until all open spaces are filled. Qualified students are accepted on a first-come, first-served basis. For Fall 2008, after screening by the OSI faculty, registration will be through California State University Northridge (CSUN). CSUN students will register directly through that campus. Other CSU students will need to fill out the Intrasystem Visitor Enrollment form, which will enable registration through CSUN. Units may then be transferred to the appropriate campus. Non-CSU students will need to register through CSUN's Open University Program.

Application and additional information can be obtained by contacting:

Ms. Kristy Kull
Catalina Semester
Ocean Studies Institute
820 S. Seaside Ave.

Terminal Island, CA 90731-7330

Phone: (310) 519-3172, email: kkull@csulb.edu

Application and information are also available by going to <http://osi.scmi.us/> and clicking on **CSU Catalina Semester**. For information on diving, click on **OSI Scientific Diving Program**. For additional information on scientific diving, contact **Jim Cvitanovich, Dive Safety Officer** at the OSI address shown above.

