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. Kerry Nickols (Marine Conservation) received her Ph.D. from the University of California Davis in 2012 and has been on the faculty of CSUN since 2017. Her research focuses on ecology, oceanography, and conservation of coastal systems.

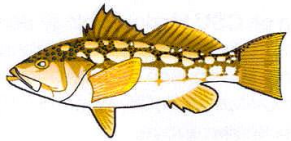
Dr. Nyssa Silbiger (Marine Ecology) received her Ph.D. from the University of Hawai`i at Mānoa in 2015 and has been on the faculty of CSUN since 2017. Her research focuses on understanding the affects of anthropogenic stressors on organisms, communities, and ecosystem processes in the context of natural variability.

Dr. Mark A. Steele (Ecology of Marine Fishes) received his Ph.D. from the University of California, Santa Barbara in 1995 and has been on the faculty of CSUN since 2006. His research focuses on the population and community ecology of temperate and tropical reef fishes and estuarine fishes.

FALL 2022
29 August 2022 – 9 December 2022
(Thanksgiving Break Nov. 24th – 25th)

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 (2022: Ecology of Marine Fishes, Marine Conservation, Marine Ecology) 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 school decisions. A research diving certification course is planned for a period before the semester begins, at an additional cost for qualified students who wish to dive on SCUBA during the semester. AAUS diving certification is mandatory to dive, 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 2022

29 August 2022 – 9 December 2022
(Thanksgiving Break Nov. 24th – 25th)

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	**$ 3,519**
CSU Graduate student	**$ 4,236**
Non-CSU student	**$ 9,339**

(Extended Education/Open University Schedule)

B. Board and Lodging*

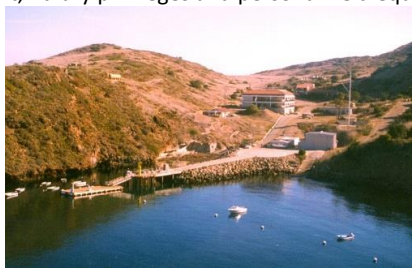
(Same for all students) **$ 5,946.40**

C. Lab and Facility Fees*

(Same for all students) **$ 1,031.91**

*Note:

- All costs for Fall 2022 are subject to change.
- CSU Students who are non-CA Residents are subject to CSU Out-of-State tuition 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.



CSUN COURSES

(UPPER DIVISION)

Ecology of Marine Fishes
(Biol 531/L; 592Q: 4 units)
29 August – 23 September

A course covering species assemblages, general ecology, and behavioral ecology of the marine fishes of Catalina Island and the surrounding waters.

Instructors: **Drs. Larry Allen and Mark Steele**

Marine Ecology
(Biol 492 /L; 492 ; 4 units);
26 September – 21 October

This course provides a general understanding of the ecological processes that determine the structure and dynamics of populations and communities in marine ecosystems through a combination of lecture, field, and lab experiences.

Instructors: **Dr. Nyssa Silbiger**

Marine Conservation Biology
(Biol 496MC/L; 492MC: 4 units)
24 October – 18 November

This course examines threats to marine ecosystems, management approaches, and linkages between science and policy using a combination of lecture, lab, and field activites situated within a marine protected area.

Instructor: Dr. Kerry Nickols

Directed Research
(Biol 495B/696B: 3 semester units),
21 November – 9 December

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, Nickols, Silbiger

APPLICATIONS

Applications will be taken until all open spaces are filled. Qualified students are accepted on a first-come, first-served basis. The CSU Marine Biology Semester is an Upper divison program that is designed for students who have completed their lower disvision coursework in Biology. For Fall 2020, 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:

Catalina Semester
Ocean Studies Institute
820 S. Seaside Ave.
Terminal Island, CA 90731-7330
Phone: 310.519.3172
osi.catalina@gmail.com

Application and information are also available by going to http://www.scmi.net/ and clicking on **CSU Marine Biology Semester**. For information on diving, click on **Scientific Diving Program**. For additional information on scientific diving, contact Darrel Montague, OSI Dive Safety Officer (darrell.montague@csulb.edu) or 310.519.3172, ext 976.