

STATE OF HAWAII  
UNIVERSITY OF HAWAII AT MANOA

SEA GRANT COLLEGE PROGRAM

MAJOR FUNCTIONS

1. Sea Grant College Program

The Sea Grant Director's Office has line responsibilities for the Sea Grant College Program, the Waikiki Aquarium, and the Marine Option Program.

The Director's Office manages the activities and programs of the University of Hawaii Sea Grant College Program (UHSGCP) which include 1) directing the development and submission of a biennial institutional proposal encompassing programs of research, education, and advisory services; 2) administering the projects and programs funded by Sea Grant and other cooperating agencies; and 3) coordinating the publication and dissemination of resulting information.

The Sea Grant College Program is dedicated to the national goal of promoting the understanding, development, utilization and conservation of ocean and coastal resources through university-based research, education and advisory (extension) services. The program is conducted within geographical boundaries extending from Hawaii to Guam and currently collaborates with 44 governmental organizations, and 89 academic institutions. Fifty-three industrial organizations participate in the program. In addition, the Sea Grant Director represents the University of Hawaii on a number of interagency research and advisory committees.

a. Marine Research

The Sea Grant College Program promotes and supports research of state and national priorities at the University of Hawaii. It provides research opportunities and funding to undergraduates and graduates pursuing degrees and experience in marine-related research. Major areas of research are marine resources development including aquaculture, fisheries, marine natural products and ocean minerals; tourism; public policy and law and marine technology.

The Sea Grant College Program provides for the development, coordination, and budget administration of thirty to sixty Sea Grant research projects at any one time. In addition, the program has recently taken over the fiscal responsibilities for the other units which fall under the Director's authority. The Sea Grant College also provides funds for program and project planning at the discretion of the Director. Many of the new initiative research efforts seek proof-of-concept to qualify for multi-year funding. The Director's Office provides review procedures which prioritize proposed research and evaluate projects to ascertain appropriateness for Sea Grant support and

quality of research proposals. The Sea Grant Advisory Council which participates in this process is composed of marine leaders and scientists from private industry and state and national agencies. The Director negotiates program matching funds (required 2 federal: 1 non-federal) for these projects and monitors their use throughout the year.

b. Sea Grant Extension

Sea Grant Extension, through workshops, mass media, person-to-person communication, and other means, promotes the wise use of Hawaii's marine resources and meets the informational needs of Hawaii's people. The current Sea Grant Extension program focuses on technology and information transfer in aquaculture, fisheries and the use of marine and ocean resources by tourists and residents. A network of 16 professional staff, including extension specialists and agents, carry out these activities in Hawaii and throughout the region.

The Sea Grant Extension Director's Office is responsible for 1) budget and program planning and reporting and 2) communicating with the Sea Grant Director and with the National Sea Grant Office on extension program directions.

c. Marine Education

The Sea Grant College Program assists in the development of a broad spectrum of marine education programs and projects including undergraduate and graduate marine curricula. The program has supported the Marine Option Program and the Blue-Water Marine Laboratory, a marine technician training program at Leeward Community College, a graduate research and training program in tropical marine studies at the Hawaii Institute of Marine Biology, and applied marine research preparatory courses. The present program focuses primarily on undergraduate and graduate education within the University of Hawaii system. However, the program continues to give assistance to the UH College of Education in upgrading high school marine curriculum materials, developed with UHSGCP assistance in previous years, and with teacher training in American areas of influence in Micronesia.

d. Publications

Responsibilities of this office include the management and coordination of publications produced by the Sea Grant College Program. The office 1) edits project proposals and produces the institutional proposal, 2) conducts planning conferences with authors on proposed research and education reports and publication following preliminary manuscript review, 3) institutes procedures for editorial review and publishing, 4) produces camera-ready copy and arranges for publication, 5) edits and distributes the Sea Grant Quarterly, a scientific newsletter with a circulation of 1,700, an extension newsletter with a monthly circulation of 2,500, and other advisory brochures and publications, and 6) institutes sales programs and

reviews expenditures and income from sales. The office also prepares news releases for local and national dissemination.

## 2. Marine Option Program

The Marine Option Program Office offers students of all majors throughout the University system the opportunity to discover and develop their marine and marine-related interests and talents. The office is responsible for the development and management of a certificate-granting program of undergraduate community colleges for those students who elect to complete selected academic requirements and a practical project. The office also sponsors special activities including seminars, field trips, workshops, and other hands-on experiences designed to promote marine interests.

## 3. Waikiki Aquarium

### a. Office of the Director

The Aquarium Director's Office provides guidance to and overall supervision of Aquarium programs, projects, and activities; acts as liaison and officio member of the Board of Directors and Friends of the Waikiki Aquarium and the Hawaiian Islands Aquarium Corporation; and maintains close working relationships with other aquariums, zoos and museums. The Director is responsible for all living marine organisms at the Aquarium, including their collection, care, maintenance, and feeding; for keeping accurate records on the acquisition, growth and disposition of Aquarium animals; for the design, construction and maintenance of live displays and support systems; and for field research and collection and shipment of specimens to the Aquarium and other cooperating institutions from local and remote areas.

### b. Aquarium Support and Operations

Aquarium support and operations staff responsibilities include 1) designing and overseeing new systems for support of research on live marine organisms, including live exhibits, aquaculture, and marine mammal husbandry, 2) the general operations, safety conditions, appearance, and maintenance of the Aquarium facility, 3) preparation reports on Aquarium systems (including selected management information systems and data processing) for internal distribution and for publication, and 4) assisting and advising Aquarium staff on efficiency of data management systems, and their use and maintenance.

### c. Education

The Education Staff at the Aquarium is responsible for 1) the design, planning, and implementation of all Aquarium education programs, including School System Support, General Public Education, travel tours, and private sector co-ventures, 2) administration, budgeting, and planning of Blue Water Marine

Lab which provides University-developed marine laboratory services to high school and University students, and 3) for design and implementation curriculum development, production and publication of education materials including books, video, and audio-visual programs (e.g. Byword).