

STATE OF HAWAII
UNIVERSITY OF HAWAII AT MANOA

SEA GRANT COLLEGE PROGRAM

MAJOR FUNCTIONS

Revised.
1/88

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 which include 1) directing the development of a biennial institutional proposal encompassing in scope and in depth programs of research, education, and advisory services for submittal to the National Sea Grant Office; 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 UHSGCP 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 UHSGCP collaborates with the Pacific Sea Grant universities on regional programs. 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 in areas which have been identified as high priority by the state and nation. Research opportunities and funding are provided to undergraduates and graduates pursuing degrees and experience in marine-related fields. Major on-going research programs include marine shrimp aquaculture, fisheries, public policy and law, marine technology, marine environmental studies, ocean recreation and tourism, ocean minerals and marine natural products in Hawaii and American flag territories in the Pacific.

The Sea Grant College Program provides for the development, coordination, and budget administration of 30 to 60 research projects at any one time. The Director has the discretion for providing small amounts of funding to test proof-of-concept for the development

of new initiatives for multi-year funding. The Director's Office provides review procedures which prioritize and evaluate proposed research projects for appropriateness and quality. The Sea Grant Advisory Council, composed of marine leaders and scientists from private industry and state and national agencies participates in this process. The Director negotiates matching funds (required 2 federal: 1 non-federal) for these projects and monitors their use throughout the year.

b. Marine Advisory Program

The Sea Grant Marine Advisory Program, 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. Current programs include technology and information transfer in aquaculture and fisheries, and the use of the ocean and marine resources by tourists and residents. A network of 16 professional staff, composed of advisory (extension) specialists and agents, carries out these activities in Hawaii and throughout the Pacific region.

The Sea Grant Marine Advisory Program Coordinator's Office is responsible for 1) budget and program planning of advisory (extension) activities and 2) communicating with the Sea Grant Director and, as appropriate, with the marine advisory program leader in the National Sea Grant Office.

c. Marine Education

The Sea Grant College Program assists in the development of a broad spectrum of marine education programs and projects at the undergraduate and graduate levels. Sea Grant funding has supported the Marine Option Program, 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 other marine-related 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 to teacher training in American flag territories in Micronesia.

d. Publications

Responsibilities of the Publications Office include the management and coordination of publications produced by the Sea Grant College Program and public education through the mass media. The publications editor 1) edits project proposals and oversees the production of the institutional proposal, 2) conducts conferences with authors on proposed research and education reports, 3) institutes procedures for editorial review and publishing, 4) produces camera-ready copy of reports and arranges for their publication, and 5) oversees the publication and distribution of the Sea Grant Quarterly, a scientific newsletter, the Makai, an extension newsletter, and other advisory brochures and publications. The Publications Office institutes sales programs and reviews expenditures and income from sales.

The information specialist develops public education programs which are nationally and locally disseminated through radio, popular magazines, newsletter (Makai), and daily newspapers. In addition, the information specialist edits the Makai and produces videotapes and slide shows.

2. Marine Option Program

The Marine Option Program (MOP) offers students of all majors throughout the University system the opportunity to develop their marine-related interests and talents. MOP is responsible for the development and management of a certificate-granting program for undergraduate students who elect to complete selected academic requirements and a practical project. MOP 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 and acts as liaison and officio member of the Board of Directors and Friends of the Waikiki Aquarium and the Hawaiian Islands Aquarium Corporation. The Director maintains close working relationships with other aquariums, zoos and museums. In addition, the Director is responsible for the collection and care of all living marine organisms at the Aquarium; 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 of reports on the Aquarium systems, and 4) assisting and advising Aquarium staff on 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 school programs, general public education, travel tours, and private sector co-ventures, 2) administration, budgeting, and planning of Blue Water Marine Lab, which provides on-water educational experience to high school and university students, and 3) for design, development, production, and publication of educational materials including books, video, and audiovisual programs (e.g. Byword).