

New Program Code     Modify Program Code

Date: 11/14/2019

**REQUESTOR CONTACT INFORMATION**

Name David Krupp Campus Windward CC  
 Title Dean, Division II Email kevinkm@hawaii.edu  
 Office/Dept Academic Affairs Phone 235-7495 (Kevin Morimatsu)

**NEW PROGRAM CODE TO CREATE**

Institution WIN - Windward Community College Campus WIN - Windward Community College  
 Level UG - Undergraduate Effective Term Fall 2019

	Code (Max. Characters)	Description	Check if requesting new code:
College	(2) <u>IN</u>	<u>Instuctional</u>	<input type="checkbox"/> See Banner form STVCOLL
Department	(4) <u>LBRT</u>	<u>Liberal Arts</u>	<input type="checkbox"/> See Banner form STVDEPT
Degree/Certificate	(6) <u>ASC</u>	<u>Academic Subject Certificate</u>	<input type="checkbox"/> See Banner form STVDEGC
Major	(4) <u>MOP</u>	<u>Marine Option Program</u>	<input type="checkbox"/> See Banner form STVMAJR
Concentration	(4) _____	_____	<input type="checkbox"/> See Banner form STVMAJR
Minor	(4) _____	_____	<input type="checkbox"/> See Banner form STVMAJR

(MOP) CIPC - 400699

If a similar major/concentration code exists in Banner, please list the code:

Justification to warrant a new major/concentration code similar to an existing major/concentration code:

Is this major/concentration code being used the same way at the other UH campuses?  Yes  No  
 Should this program be available for applicants to select as their planned course of study on the online application? *If yes, student may select the code as their only program of study.*  Yes  No

**RULES PERTAINING TO FINANCIAL AID AND 150% DIRECT SUBSIDIZED LOAN LIMIT LEGISLATION**

Is 50% or greater of the classes in this program offered at a location other than the Home Campus?  Yes  No  
 Is this program/major/certificate financial aid eligible?  Yes  No  
 Does this certificate qualify as a Gainful Employment Program (Title IV-eligible certificate program)?  Yes  No

See <http://www.ifap.ed.gov/GainfulEmploymentInfo/index.html>

**Program Length**

*In academic years, decimals are acceptable. The length of the program should match what is published by the campus in any online and/or written publication.*

1 year

**Special Program Designations**

See *Special Program Designations Code Definitions on IRAO Program Code Request webpage*

A     B     N     P     T     U

Required Terms of Enrollment:  Fall     Spring     Summer     Extended

**IRA0 USE ONLY: DATE RECEIVED**

ADDITIONAL COMMENTS

ASC - Marine Option Program

ATTACHMENTS

BOR Approved: Sole-credential Certificates, Associate (excluding ATS), Bachelor and Graduate Degrees, and sole credential certificates

BOR Meeting Minutes & Supporting Documents  Curriculum

Chancellor Approved: Concentrations, Certificates and Associate in Technical Studies (ATS) Degree

Memo from Chancellor to notify Vice President for Academic Planning and Policy regarding program action.  
Curriculum

CERTIFICATES ONLY: Please check one (1) statement. This certificate is a...

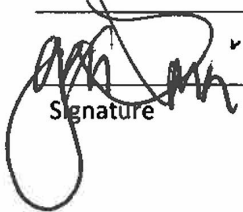
- BOR approved certificate. BOR Meeting/Approval Date: \_\_\_\_\_  
Chancellor approved within an authorized BOR program. BOR Program: Associate in Arts: Liberal Arts
- Chancellor approved  in accordance with UHCCP 5.203, Section IV.B.10.

VERIFICATIONS

By signing below, I verify that I have reviewed and confirm the above information that is pertinent to my position.

Registrar  
(Print Name)

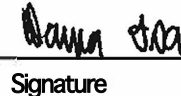
Geri Imai

  
Signature

11/12/19  
Date

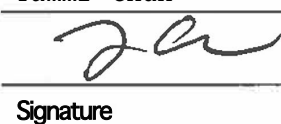
Financial Aid Officer  
(Print Name)

Dayna Isa

  
Signature

11/14/19  
Date

For Community Colleges,  
verification of consultation with  
OVPC Academic Affairs:  
Tammi Chun

  
Signature


NOV 27 2019  
Date



November 14, 2019

**MEMORANDUM**

**TO:** Donald Straney  
Vice President for Academic Planning and Policy

**FROM:** Ardis Eschenberg   
Chancellor

**SUBJECT:** Program Actions at Windward Community College

I have approved the following program actions on September 05, 2019, effective Fall 2019.

New  
Academic Subject Certificate (ASC) in Marine Option Program.

cc Pearl Iboshi, IRAO  
Geri Imai, Registrar  
Dayna Isa, Financial Aid Officer

**Windward Community College  
Program Proposal**

**Academic Subject Certificate – Marine Option Program  
(under the Associate in Arts in Liberal Arts Degree)**

David A. Krupp  
January 18, 2019

**Proposed Implementation Date:** Fall 2019

**Proposed End Date:** None

**Narrative of the Program**

Begun at the University of Hawai'i at Mānoa in 1972, the Marine Option Program (MOP) is a unique University of Hawai'i (UH) system-wide program available to students at all UH campuses\*. Through MOP, students from any field of study can obtain an ocean-related focus within their own degree while earning an Academic Subject Certificate. MOP emphasizes experiential-based, cross-disciplinary education and provides opportunities to apply traditional coursework to practical hands-on skills through an ocean-related internship or research project. This certificate includes four credits of required coursework, six credits of ocean-related electives, and two credits of independent study/research to facilitate a unique MOP skill project where students (with faculty guidance) design and conduct a personal marine or aquatic project related to their educational goals. Completion of the MOP certificate will enhance student success in obtaining employment in any occupation where enhanced ocean awareness is applicable, or for further study at a 4-year institution. 12 Credits.

\* There are slight differences in the details of the course requirements across the different campuses (i.e., four-year campuses may require 14-15 credits; some differences in core course alphas and numbers; some differences in which ocean-related elective classes are counted ; most UHCC's offer the MOP certificate as an ASC; HawCC does not offer a MOP certificate; HawCC students; UHWO is working on creating a MOP certificate).

**Program Learning Outcomes**

Upon successful completion of the Marine Option Program (MOP) Academic Subject Certificate (ASC), the students should be able to:

- Evaluate how the ocean impacts Hawai'i's economy and society.
- Integrate knowledge obtained from ocean-related course work into their academic degree pathway thereby increasing their appreciation for and engagement in Hawai'i's marine and aquatic ecosystems.
- Develop motivation, initiative and proficiency in their ability to design, conduct, analyze and report (both written and in oral form) a project of their choosing through the completion of the MOP skills project.

## Career Options

A stepping stone for preparing students for employment in any field that would benefit from hiring graduates with an enhanced understanding of Hawai'i's marine environment.

Below is the proposed minimum credit requirements for the ASC-Marine Option Program:

<b>Proposed Requirements</b>	<b>Credits</b>
<i>Ocean Survey Class</i> OCN 201 Science of the Sea, or ZOOL 200 Marine Biology	3
<i>Marine Option Program Seminar Class</i> OCN 101 Introduction to the Marine Option Program, or comparable independent study class.	1
<i>Ocean-Related Electives</i> Classes with significant (20+%) ocean-related content. See attached page for current acceptable classes. In addition, a student may propose that a specific class may fulfill this requirement. Approval determined by MOP Faculty Coordinator based upon evaluation of course materials presented.	6
<i>Ocean-Related Experiential Project</i> An approved internship or research project conducted within the framework of independent study (OCN 199 or OCN 299) or STEM research class (i.e., SCI 295V Introduction to STEM Research). Approval requires the student to submit a project proposal in which clear project objectives as well as a clear project plan are described. The project proposal also identifies a mentor who provides guidance to the student.	2
<b>Total Credits</b>	<b>12</b>

## Demand and Social Value of the Program

MOP has operated at Windward Community College officially since Fall 1977 (see 1977-78 WCC college catalog). Initially described as a Certificate of Completion, awarding of the certificate has been somewhat ambiguous for two reasons:

- A Certificate of Completion (CC) was designed to be a short term technical-occupational-professional education credit course sequence providing the student with entry level skills or job upgrading. While achieving a MOP certificate might provide a student with specific job skills, there is no specific focus (other than the broad focus of "ocean-related") nor work area targeted by MOP. The program is interdisciplinary, serving the academic and/or professional interests of students from any discipline. Further, the CC was discontinued as a UHCC certificate in

AY2013-14 (UHCCP #5.203). The Academic Subject Certificate (ASC) is a much better fit for how MOP works.

- The MOP Certificate was actually issued by the University of Hawai'i at Mānoa (as described in the 1981-82 WCC college catalog) and for years was treated as a University of Hawai'i System certificate. However, recently, it was determined that the UH System could not issue certificates. Consequently, the different campuses of the UH System have been establishing their own respective MOP certificates.

MOP is unique in being a University of Hawai'i (UH) system-wide certificate-granting program in which there is a high level of collaboration among students, staff and faculty across the UH System. This collaboration is evidenced by system projects such as the bi-annual MOP coordinators' meetings, annual MOP Student Skill Project Symposium, the Quantitative Underwater Ecological Survey (QUEST) workshop, and the annual Maritime Archaeology workshop. We also collaborate in terms of extramural funding and sharing resources across the system.

Hundreds of WCC students have been served by MOP over the years (1000s across the UH System). While many of these students secured certificates while engaged in the program at WCC, many others transferred to a four-year campus (usually UH Mānoa or UH Hilo) where they finished their certificate requirements and/or enrolled in an ocean-related baccalaureate program.

Students completing the certificate requirements, many from WCC MOP, are found ubiquitously working in state and federal governmental agencies and academic institutions, as well as private industry, as direct consequences of their participation in MOP. Some examples of WCC MOP students, including their careers resulting from their participation in MOP, are listed below:

Serena Kaldi: Program Coordinator, Nā Hua Ho'ohuli i ka Pono Internship Program  
Lizabeth Kashinski: JIMAR/Program Supervisor, Hawaiian Monk Seal Research Program, NOAA IRC, NMFS/PIFSC/PSD  
Marjorie Ziegler: Executive Director, Conservation Council for Hawai'i  
Russel Ito: Biologist, National Marine Fisheries Service  
Cynthia Vanderlip: Kure Atoll Refuge Manager, Papahānumoʻokuākea Marine National Monument  
Keoki (George) Stender: Underwater Photographer; SCUBA Equipment Repair Specialist  
Dr. Ku'ulei (Susan) Rodgers: Coral Reef Biologist, HIMB  
Alice Keesing (Chang): Professional Photographer, MidWeek Journalist  
Cristi Richards: Marine Chemist  
Kayla Rosenfeld: News Director, KHPR  
Jennifer Olson: Archaeologist, Cultural Surveys Hawai'i  
Teresa Dawson: Science Journalist, Environment Hawai'i  
Kayleigh Burns: Divemaster, One Ocean Diving  
William Smith: Adjunct Faculty, Windward Community College

### **Resources Needed for the Program**

No additional resources beyond what is already provided would be requested. Current resources involve two teaching equivalencies (TEs) per semester (actually a reduction from what was provided in the past) for the faculty coordinator, 20 hours per week of student help support, and a small supplies allocation.

**Marine Option Program  
Approved Ocean-Related Electives**


AG 170 Introduction to Aquaponics	GG 213 Moloka'i, Lana'i, and Kaho'olawe Field Geology
ANTH 175 Polynesian Surf Culture	GG 214 Kaua'i and Ni'ihau Field Geology
ANTH 175 Surf Culture Field Lab	HWST 107 Hawai'i: Center of the Pacific
AQUA 106:Small Scale Aquaculture	HWST 196 Special Topics in Polynesian Voyaging: Malama Honua
AQUA 106L Small Scale Aquaculture Laboratory	HIST 285 Environmental History of Hawai'i
AQUA 201 The Hawai'i Fishpond	IS 201 The Ahupua'a
AQUA 201L The Hawai'i Fishpond Lab	OCN 102 Intro to Environmental Science
ATMO 101 Introduction to Weather and Climate	OCN 120 Global Environmental Challenges
BIOL 124 Environment & Ecology	OCN 201 Science of the Sea*
BIOL 124L Environment & Ecology Laboratory	OCN 201L Science of the Sea Laboratory
BIOL 172 Introduction to Biology II	OCN 260 Pacific Surf Science and Technology
BIOL 172L General Biology Lab II	OCN 260L O'ahu Surf Science and Technology Lab
BIOL 200 Coral Reefs	PACS 108 Pacific Worlds: An Introduction to Pacific Islands Studies
BIOL 200L Coral Reef Laboratory and Field Studies	SCI 160 Polynesian Voyaging and Seamanship
BIOL 265 Ecology and Evolutionary Biology	SCI 160L Polynesian Voyaging and Seamanship Lab
BIOL 265L Ecology and Evolutionary Biology Lab	SCI 260 Polynesian Voyaging and Stewardship
BOT 101 General Botany	SCI 260L Polynesian Voyaging and Stewardship Lab
BOT 130 Plants in the Hawaiian Environment	ZOOL 105 Hawaiian Use of Fish and Aquatic Invertebrates
BOT 130L Plants in the Hawaiian Environment Lab	ZOOL 106 Hawaiian Marine Invertebrates
ECON 220 Introduction to Environmental Economics	ZOOL 200 Marine Biology
GEOG 101 The Natural Environment	ZOOL 200L Marine Biology Laboratory
GEOG 101L The Natural Environment Laboratory	
GG 101 Dynamic Earth	
GG 101L Dynamic Earth Laboratory	
GG 103 Geology of the Hawaiian Islands	
GG 210 O'ahu Field Geology	
GG 211 Big Island Field Geology	
GG 212 Maui Field Geology	



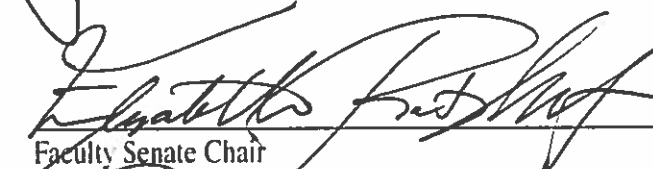


**Curriculum Proposal Review Levels**


Proposal: Academic Subject Certificate – Marine Option Program

  
\_\_\_\_\_  
Curriculum Chair

Date: 2/26/19

  
\_\_\_\_\_  
Faculty Senate Chair

Date: 3/05/19

  
\_\_\_\_\_  
Division Dean

Date: 8/30/19

  
\_\_\_\_\_  
Vice Chancellor

Date: 9/3/19

  
\_\_\_\_\_  
Chancellor

Date: 9/5/19