

ORIGINAL

All questions must be answered, if a question is not applicable enter N/A.

1. a. General type of action: program _____ course _____
 b. Specific type of action: (check appropriate action below)

Addition:

- regular
 experimental

Deletion:

- course
 from program (specify): _____

Modification in:

- credits
 title
 number and/or alpha
 prerequisites
 description
 program

2. Reason for this curriculum action: Content required for entry to Quest (Quantitative Underwater Ecological Surveying Techniques) at UH Hilo. Previously offered as directed studies. Dean recommended offering as a regular course.
 3. Existing course: none

Alpha	Number	Title	credits
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4. a. Proposed/modified course:

<u>Ocean 64</u>	<u>Hawaiian Marine Life Identification</u>	<u>3</u>
Alpha	Number	Title (60 positions maximum - spaces count)
		credits

- b. HI MARLIFE ID
 abbreviated title (16 positions maximum)

- c. Course description: Teaches field identification of fishes, invertebrates and marine algae. Studies ecology of Coral reef species. Requires memorization of scientific names. Practices identification in the classroom and in the ocean for field research purposes. Fulfills requirements for acceptance into QUEST (Quantitative Underwater Ecological Surveying Techniques)
Does not fulfill Natural Science core requirements.

5. a. Prerequisites: None

- b. Corequisites: None

- c. Recommended preparation: Enrollment in Marine Option Program

6. a. Semester offered: fall spring fall/spring as needed

- b. proposed semester/year of first offering: Fall semester 1999 year

- c. other scheduling considerations? no yes, explain _____

7. Student contact hours per week: lecture _____ hrs lab _____ hrs lecture/lab 3 hrs

other _____ hrs, explain _____

8. Revise current MCC General Catalog pages: 114 ✓ Other: _____

Add p. 11 Applied Studies

2/17 pau

9. Course grading: letter grade only credit/no credit either letter grade or credit/no credit audit

10. Special fees required: no yes, explain _____

11. Will this request require special resources (personnel, supplies, equipment, lecturer funds, etc.)?
 no yes, explain _____

12. a. Maximum enrollment: 30 Rationale, if applicable: _____

b. Is this course restricted to a particular room type? no yes, explain type of room required
Room where slides can be shown.

13. Course fulfills requirements for _____ program/s

Course is elective for Marine Option program/s

Course is elective for A.A. degree Applied studies program/s

14. Course increases decreases makes no change
in # of credits required for the program/s affected by this action

15. Is this course cross-listed? no yes, identify course _____

16. Is this course taught at another UH campus? no, specify why this course is offered at MCC:

yes, specify campus, course, Alpha, and Number: _____

17. a. Course is articulated at (check those that apply):
 UHCC UH Mānoa UH Hilo UH WO Other/PCC

b. Course is appropriate for articulation at (check those that apply):
 UHCC UH Mānoa UH Hilo UH WO Other/PCC

c. Course is not appropriate for articulation at (check those that apply):
 UHCC UH Mānoa UH Hilo UH WO Other/PCC

d. Course articulation information is attached because modification is of significance.

Proposed by:

Donna L Brown 10/29/98
Originator/Program Coordinator Date

REQUESTED
Approved by:

Copied Wolf 11/6/98
Division Chair Date

RECOMMENDED
Requested by:

[Signature] 12/14/98
Curriculum Committee Chair Date

Approved by:

[Signature] 02/14/99
Academic Senate Chair Date

[Signature] 2/9/99
Dean of Instruction Date

[Signature] 2/10/99
Provost Date

Community College System
University Of Hawaii
Maui Community College

Course Outline

Hawaiian Marine life identification

Ocean 64

COURSE DESCRIPTION:

Teaches field identification of fishes, invertebrates, and marine algae. Studies ecology of coral reef species. Requires memorization of scientific names. Practices identification in the classroom and in the ocean for field research purposes fulfills requirements for acceptance into QUEST. (Quantitative Underwater Ecological surveying Techniques)

SEMESTER UNITS:

3

HOURS PER WEEK:

3 Lecture/lab


PURPOSES AND STANDARDS:

Elective for Marine Option Program, applied studies elective for Associate in Arts Degree

Recommended Preparation
ENTRANCE REQUIREMENTS:

~~None Recommended~~
Enrollment in Marine Option Program

Date: October 29, 1998


Donna L. Brown

1. COURSE OBJECTIVES:

Goals:

To prepare individuals for coral reef field research.

General:

To identify Hawaiian fishes, corals, mobile invertebrates, and marine algae accurately in the field.

Specific:

To identify organisms required for acceptance to QUEST (Quantitative underwater Ecological Surveying Techniques) training at the University of Hawaii at Hilo.

To memorize scientific names of the marine organisms on the QUEST list.

To practice identification using slides, photographs and fresh specimens.

To learn to identify organisms at the aquarium and in the ocean.

To study the ecology of coral reef organisms.

To prepare for field research to monitor coral reefs.

2. GENERAL EDUCATION AND RELATIONSHIP TO OTHER COURSES:

This course helps meet the requirements for

A) the Marine Option Program certificate

B) an elective for the applied studies requirement for the A.A. degree

C) QUEST acceptance

3. TEXT AND MATERIALS:

QUEST species list.

4. REFERENCE MATERIALS:

Current marine life identification resource materials such as Shore Fishes of Hawai'i by John E. Randall 1996, Hawaii's Fishes by John P. Hoover 1993, An Underwater Guide to Hawai'i by Ann Fielding and Ed Robinson 1987, Shells of Hawai'i by Alison Kay and Olive Schoenberg-Dole

5. AUXILIARY MATERIAL AND CONTENT:

Videos, slides, field trips, quest speakers, reference books, biological specimen, posters, brochures, internet, and other appropriate material.

6. METHODS OF INSTRUCTION:

Narrated slide shows, close inspection of specimen, seaweed pressing workshop, guest speakers, trips to the Maui Ocean center and snorkel field trips.

7. COURSE CONTENT:

Identification of fishes, mobile invertebrates, corals and marine algae by their scientific names. Common and Hawaiian names will also be discussed. Introduction to basic coral reef ecology.

8. EVALUATION:

There will be three exams. Fishes, invertebrates, and marine algae. These exams will be worth 80% of grade.
20% of grade will be based on participation in field studies.

OCEAN 64
HAWAIIAN MARINE LIFE IDENTIFICATION
FALL 1999

Instructor: Donna L. Brown
Phone: 984-3203
E-mail: donna.brown@mauicc.hawaii.edu

Times: Monday & Wednesday 1:00 to 2:00

Location: Multi-purpose 1a (MOP classroom)

Office hours: Monday and Wednesday 2:30 to 5:00

Book: Shore Fishes of Hawai'i, John E. Randall

Grading: 80% exams. 3 exams include one each fishes, invertebrates,
marine algae.
20% Participation in workshops and field trips.

Course

Objectives: Students will
Learn to identify Hawaiian fishes, corals, mobile invertebrates, and
marine algae accurately in the field.
Identify organisms required for acceptance to QUEST (Quantitative
underwater Ecological Surveying Techniques) training at the
University of Hawaii at Hilo.
Memorize scientific names of the marine organisms on the QUEST
list.
Practice identification using slides, photographs and fresh
specimens.
Learn to identify organisms at the aquarium and in the ocean.
Study the ecology of coral reef organisms.
Prepare for field research to monitor coral reefs.

Class Schedule

<u>Week number</u>	<u>Topic</u>
1	fish
2	fish
3	fish
4	fish
5	fish
6	fish review and test
7	mobile invertebrates
8	mobile invertebrates
9	corals
10	corals
11	corals
12	mobile invertebrates and corals review and test
13	marine algae (limu)
14	marine algae (limu)
15	marine algae (limu)
16	marine algae (limu)
Finals Week	marine algae (limu) review and test

Field trips and workshops dates to be arranged:

1. Maui Ocean Center
2. Maui Ocean Center
3. snorkel
4. snorkel
5. limu workshop with guest teacher
6. limu pressing workshop