

College of Micronesia-FSM
COURSE OUTLINE COVER PAGE

Marine Biology Field Studies
Course Title

MR 254
Department and Number

Course Description:

Reinforces an understanding of marine biology, the marine environment, and marine organisms through exposure to learning experiences in the field and laboratory investigations.

Course Prepared by: Lynch **State** National Campus

Lecture/Lab	Hours per Week	No. of Week	Total Hours	Semester Credits
	<u>variable</u>	x <u>16</u>	x <u>16-48</u>	= <u>1-3</u>
		Total Semester	Credits	<u>1-3</u>

Purpose of Course:

Degree Requirement	<u> </u>
Degree Elective	<u> x </u>
Certificate	<u> </u>
Other	<u> </u>

education

Prerequisite Course(s): Successful completion of MR 120 or by
consent of instructor.

Signature, Chairperson, Curriculum Committee

Date Approved by Committee

Spensin James, President

Signature, President, COM-FSM

Date Approved by President

I. PROGRAM LEARNING OUTCOMES

Students will be able to:

Demonstrate, in written and oral forms, a detailed knowledge regarding the function of the world's oceans and seas and the closely human induced interactions with the marine environment. This can be achieved by:

- Expressing the fundamental notions of geological physical, chemical and biological oceanography and exploring these concepts to interpret the marine sciences;
- Describing the major environments of the world oceans (from the nearshore to offshore and from the shallow to deep water) and the interactions with the living forms that inhabit each respective ecosystems within this major water basin;
- Linking the interaction between the humans with the world ocean in detailing the knowledge acquired on the one hand, in resource utilization which covers the fisheries and mariculture; and on the other hand, the human induced degradation of the marine environment and its counterbalance, the examination of the conservation and enhancement measures taken towards the marine environment.

II. COURSE OUTCOMES:

A. General

1. Students will demonstrate practical knowledge of the scientific method.
2. Students will learn from hands-on involvement in field research with a faculty or visiting researcher.
3. Students will learn scientific data collection techniques.
4. Students will learn to analyze scientific data.
5. Students (independently or with their research mentor) will interpret and express data they participated in collecting.
6. Students will apply learned classroom knowledge to research activities.

III. TEXT AND MATERIALS: variable, depending on the project (should include relevant scientific journal articles relating to the project)

IV. EVALUATION: It is recommended that the evaluation of this course reflect standard evaluations of biological research endeavors. The student should keep a journal of their project activities and conclude the course with written and/or oral summaries of the research. The lead instructor or a committee of faculty involved in overseeing the students' progress may reach a grade.

V. ATTENDANCE POLICY:

The students' attendance in this class will strictly adhere to the College of Micronesia-FSM attendance policy.