

CALIFORNIA STATE UNIVERSITY CHANNEL ISLANDS

NEW COURSE PROPOSAL

PROGRAM AREA ENVIRONMENTAL SCIENCE AND RESOURCE MANAGEMENT

1. Catalog Description of the Course.

ESRM 462. COASTAL AND MARINE MANAGEMENT (3)

Three hours of lecture per week.

Prerequisites: BIOL 330, ECON 362, ESRM 329

This course provides an introduction to physical and biological oceanography, threats to the marine environment, and various policies and programs which have been or are being developed to establish how humans manage coastal and marine environments.

2. Mode of Instruction.

	Units	Hours per Unit	Benchmark Enrollment
Lecture	___3___	___1___	___25___
Seminar	_____	_____	_____
Laboratory	_____	_____	_____
Activity	_____	_____	_____

3. Justification and Learning Objectives for the Course.

The course is designed to provide the student with a basic knowledge of:

- The ecological structure and function of marine environments;
- The value of coastal and marine environments to humans; and
- Legal and administrative mechanisms for marine management and conservation.

At the end of this course, students should be able to:

- Describe the major threats to coastal and marine environments at the local, national, and international levels;
- Relate the oceanographic and biological characteristics of the marine environment to difficulties in managing these resources;
- List the major jurisdictional zones of the ocean;
- Discuss how and where national and international laws conflict and how these conflicts are addressed; and
- Give an account of how marine protected areas are established and the issues surrounding their use.

It is anticipated that this course will be an elective for the ESRM major and minor

4. Is this a General Education Course

NO

If Yes, indicate GE category:

A (English Language, Communication, Critical Thinking)		
B (Mathematics & Sciences)		
C (Fine Arts, Literature, Languages & Cultures)		
D (Social Perspectives)		
E (Human Psychological and Physiological Perspectives)		

5. Course Content in Outline Form.

Physical oceanography

Marine ecology I

Marine ecology II

NEWCRSFR 9/30/02

Socio-economic values
Threats to coastal and marine environments
Coastal and marine jurisdiction
International coastal and marine law and conventions
Domestic coastal and marine law and conventions
State coastal and marine law and conventions
Integrated coastal resource management
Conservation and marine protected areas

6. References.

Integrated Coastal and Ocean Management: Concepts and Practices
Biliana Cicin-Sain, Robert W. Knecht, Dosoo Jang, Gregory W. Fisk, Gunnar Kullenberg. Island Press (1998)

An Introduction to Coastal Zone Management
Timothy Beatley, David J. Brower, Anna K. Schwab. Island Press (2002)

Coastal Planning and Management
Robert Kay, Jackie Alder, Jacqueline Alder. E & F N Spon (1999)

7. List Faculty Qualified to Teach This Course.

Professor Mark Zacharias

8. Frequency.

a. Projected semesters to be offered: Fall _____ Spring X Summer _____

9. New Resources Required.

None

10. Consultation.

N/A

11. If this new course will alter any degree, credential, certificate, or minor in your program, attach a program modification.

<u>Dr. Mark Zacharias</u>	<u>December 1st, 2002</u>
Proposer of Course	Date

Approvals

_____	_____
Program Coordinator	Date

_____	_____
GE Committee Chair (If applicable)	Date