

## Course Syllabus

### COASTAL MANAGEMENT TECHNIQUES

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Program: Oceanographic Engineering

#### 1. Course number and name

OCEG1044 - COASTAL MANAGEMENT TECHNIQUES

#### 2. Credits and contact hours

2 credits and 3 contact hours

#### 3. Instructor's course or coordinator's name

JONATHAN MARCELO CEDEÑO OVIEDO

#### 4. Text book, tittle, author, and year

- Centro de Recursos Costeros. Universidad de Rhode Island. Una guía para evaluar el progreso en el Manejo Costero (unica)
  - a. Other supplemental materials
- Botero, Camilo M.; Omar Cervantes, Charles W. Frinkl (Eds.). Beach Management. Tools - Concepts, Methodologies and Case Studies (1st Edition)

#### 5. Specific course information

- a. Brief description of the content of the course (catalog description)

In this subject of professional training, students discover different tools used for integrated coastal management execution, such as strategic planning, in order to coherently face coastal zone problems. Knowledge of these tools is complemented with an analysis of experiences of Integrated Coastal Management both in Ecuador and in other parts of the world framed in essential concepts of integrated coastal management and sustainable development.

- b. Prerequisites

ESTUARINE PROCESSES - OCEG1046

- c. This course is: Required

#### 6. Specific goals for the course

- a. Specific outcomes of instruction

1.- Analyze natural resources and integrated coastal management in Ecuador and the world  
2.- Analyze conceptual and legal framework of coastal management and coastal zones for application in the management plans to be developed

3.- Apply strategic planning tools in formulating a management plan for specific management issues

- b. Explicitly indicate which of the student outcomes listed in Criterion 3 or any other outcomes are addressed by the course

- An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.

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#### 7. Brief list of topics to be covered

- 1.- Evaluation activities
- 2.- Introduction to Integrated Coastal Management.
- 3.- Conceptual framework of coastal management and legal norms of the marine coastal zone.
- 4.- Tools for participatory strategic planning.