

## Course Syllabus

### COASTAL-MARINE ENVIRONMENTAL IMPACT

Printed by: lualtam

Program: Oceanographic Engineering

#### 1. Course number and name

OCEG1039 - COASTAL-MARINE ENVIRONMENTAL IMPACT

#### 2. Credits and contact hours

3 credits and 3 contact hours

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

JONATHAN MARCELO CEDEÑO OVIEDO

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

- Glasson, John; R. Therivel, A. Chadwick. Introduction to Environmental Impact Assessment (2nd Edition).

##### a. Other supplemental materials

- Canter, Larry W.. Manual de Impacto Ambiental (2nd Edition)

#### 5. Specific course information

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

This professional training course considers environmental management issues, where relevant elements for environmental impact studies are analyzed. The terms and definitions used in environmental practice are presented and outstanding topics in Ecuadorian environmental normative are reviewed. In this course, different methodologies are used to identify, evaluate and assess environmental impacts, which are mitigated through measures set out in an environmental management plan.

##### b. Prerequisites

MARINE POLLUTION - OCEG1032

##### c. This course is: Required

#### 6. Specific goals for the course

##### a. Specific outcomes of instruction

1.- Apply environmental management methodology set out in current Ecuadorian environmental regulations for the development of environmental impact studies.

2.- Identify the environmental impacts related to a project in order to determine how the activity affects the environment.

3.- Design preventive, mitigating or corrective measures for each of the sub-plans of the environmental management plan, to ensure their correct application.

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

- An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of

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engineering solutions in global, economic, environmental, and societal contexts.

- 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.

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

- 1.- Evaluation activities
- 2.- Principles for environmental impact assessments
- 3.- Current Ecuadorian Regulations on Environmental Impact Assessments
- 4.- Impact Prediction, Evaluation and Mitigation
- 5.- Coastal Marine Study Cases