

Course Syllabus

CLIMATE AND SOCIETY

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Program: Oceanographic Engineering

1. Course number and name

OCEG1022 - CLIMATE AND SOCIETY

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, title, author, and year

- Stehr, Nico & Storch, Hans von. Climate and Society: Climate As Resource, Climate As Risk (Hardcover; 2009-08-18)

5. Specific course information

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

The course deals with the interdisciplinary study of the climate in which the social, economic, political and ethical aspects are integrated to provide the student with the basic principles necessary to understand and propose dynamic climatology criteria from an individual perspective to a global approach.

- b. This course is: Selected elective

6. Specific goals for the course

- a. Specific outcomes of instruction

- 1.- Understand the science of climate for an adequate diagnosis of the associated risk
- 2.- Analyze the social, economic and political impacts of climate variability, based on the information available in databases.

- 3.- Evaluate the options to face climate change through mitigation and adaptation.

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

7. Brief list of topics to be covered

- 1.- Introduction to climate science
- 2.- Impact of climate variability and society
- 3.- Vulnerability to Climate Change
- 4.- Measures to deal with climate change
- 5.- Climate engineering

