

Geography of Coastal Zones

Code: 105026
ECTS Credits: 3

Degree	Type	Year	Semester
2501915 Environmental Sciences	OT	4	0

Contact

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Use of Languages

Principal working language: catalan (cat)
Some groups entirely in English: No
Some groups entirely in Catalan: Yes
Some groups entirely in Spanish: No

Prerequisites

There are no prerequisites.

Objectives and Contextualisation

The objective of the course is to provide the basic knowledge so that the student understands the territorial, environmental and social complexity of the coastal areas system and learn to analyze the problems of coastal areas in an integrated and geographical way.

The course is divided into two main parts: in the first part, the coastal areas are analyzed -in a geographic sense that is amplified from the physical point of view (formation, dynamics, morphology and main coastal ecosystems). The second part deals with the relationship between society and coastal areas (uses, impacts, management and planning).

Competences

- Adequately convey information verbally, written and graphic, including the use of new communication and information technologies.
- Analyze and use information critically.
- Demonstrate adequate knowledge and use the tools and concepts of the most relevant social science environment.
- Demonstrate concern for quality and praxis.
- Demonstrate initiative and adapt to new situations and problems.
- Develop analysis and synthesis strategies regarding the environmental implications of industrial processes and urban management
- Quickly apply the knowledge and skills in the various fields involved in environmental issues, providing innovative proposals.
- Teaming developing personal values regarding social skills and teamwork.
- Work autonomously

Learning Outcomes

1. Adequately convey information verbally, written and graphic, including the use of new communication and information technologies.

2. Analyze and interpret environmental problems for territorial planning.
3. Analyze and interpret environmental problems to deepen the territorial diagnosis and the changes to the landscape.
4. Analyze and synthesize the environmental implications of planning and land management.
5. Analyze and use information critically.
6. Demonstrate concern for quality and praxis.
7. Demonstrate initiative and adapt to new situations and problems.
8. Identify geographic processes in the environmental surroundings and to value properly and originally.
9. Know and apply the most relevant methodologies in the planning.
10. Know the main territorial and landscape dynamics in Catalonia and Spain.
11. Rate changes the landscape through spatial relationships on different territorial stairs through the relationships between nature and society.
12. Recognize and explain the spatial relationships at different territorial stairs, physical, economic, social and cultural diversity of the territories.
13. Teaming developing personal values regarding social skills and teamwork.
14. Undertake spatial relationships on different territorial stairs through the relationships between nature and society in the field of territorial planning.
15. Work autonomously

Content

Part 1: The physical environment of the coastal areas

1. Introduction to the coastal system
2. The formation and evolution of the coasts
3. The coastal dynamics
4. The morphology of the coasts
5. Submarine ecosystems
6. Beaches and dune systems
7. Coastal wetlands

Part 2: Coastal areas and society

1. Human activities and their impact on the coast
2. Coastal tourism
3. Fishing
4. The legislation and the administration on the coast
5. Coastal areas and sustainability: environmental quality on the coast
6. Integrated coastal zone management

Methodology

The contents of the course will be developed through the following activities:

- Follow-up of the topics covered in the course (reading and study of the documents that make up the course's materials).
- Read books and articles as a complement to the materials (some of them available on the Virtual Campus).
- Field trip of compulsory character, that will complement the theoretical knowledge of the course's materials and will be the basis of a practical work.
- Elaboration of practical works or assignments, with the tutoring of the professor.

Activities

Title	Hours	ECTS	Learning Outcomes
Type: Directed			
Classroom activities	7	0.28	3, 2, 4, 5, 9, 10, 7, 6, 14, 8, 12, 1, 15, 13, 11
Field trip	8	0.32	3, 2, 4, 5, 9, 10, 7, 6, 14, 8, 12, 1, 15, 13, 11

Theoretical classes	13	0.52	3, 2, 4, 5, 9, 10, 7, 6, 14, 8, 12, 1, 15, 13, 11
Type: Supervised			
Tutorials	5	0.2	3, 2, 4, 5, 9, 10, 7, 6, 14, 8, 12, 1, 15, 13, 11
Type: Autonomous			
Autonomous work	20	0.8	3, 2, 4, 5, 9, 10, 7, 6, 14, 8, 12, 1, 15, 13, 11
Study	20	0.8	3, 2, 4, 5, 9, 10, 7, 6, 14, 8, 12, 1, 15, 13, 11

Assessment

The continuous assessment of the course will consist of:

- 1) The realization of a test that will evaluate the theoretical knowledge corresponding to the two parts of the course; and
- 2) The elaboration of two assignments of a practical nature, related both to theoretical material and to the field trip.

To ask for a reevaluation the student must have been received a mark in activities that represent at least 2/3 of the global mark during the course.

Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
Exam	50%	2	0.08	3, 2, 4, 5, 9, 10, 7, 6, 14, 8, 12, 1, 15, 13, 11
Field trip work	25%	0	0	3, 2, 4, 5, 9, 10, 7, 6, 14, 8, 12, 1, 15, 13, 11
Practical assignment	25%	0	0	3, 2, 4, 5, 9, 10, 7, 6, 14, 8, 12, 1, 15, 13, 11

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