



## Information about the subject

**Degree:** Bachelor of Degree in Marine Sciences

**Faculty:** Faculty of Veterinary Medicine and Experimental Sciences

**Code:** 274004 **Name:** Coastal Planning and Management

**Credits:** 6,00 **ECTS Year:** 4 **Semester:** 1

**Module:** Professional

**Subject Matter:** Marine and Coastal Management **Type:** Compulsory

**Department:** Oceanography and Environment

**Type of learning:** Classroom-based learning

**Languages in which it is taught:** Spanish

**Lecturer/-s:**

274A

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## Module organization

### Professional

Subject Matter	ECTS	Subject	ECTS	Year/semester
Oceanography	36,00	Chemical Oceanography	6,00	3/1
		Geological Oceanography	6,00	3/1
		Marine Biology and Biological Oceanography	6,00	3/1
		Methods in Oceanography I: Physical and Geological	6,00	3/2
		Methods in Oceanography II: Chemical and Biological	6,00	3/2
		Physical Oceanography	6,00	3/1
Marine living resources	12,00	Aquaculture	6,00	3/2
		Fisheries	6,00	3/2
Marine and Coastal Management	18,00	Coastal Planning and Management	6,00	4/1
		Legislation and Economy	6,00	4/1
		Marine Pollution	6,00	4/1



## Recommended knowledge

Basic knowledge of coastal legislation  
Basic knowledge of coastal and marine environment protection areas  
ArcGis knowledge

## Learning outcomes

At the end of the course, the student must be able to prove that he/she has acquired the following learning outcomes:

- R1 The student knows and understands with a critical attitude the concepts that are included in the syllabus/content of the subject Planning and Coastal Management.
- R2 The student is able to solve problems related to the planning of a coastal zone according to its intrinsic characteristics.
- R3 The student seeks bibliographical information from different sources and analyse it with a critical and constructive spirit.
- R4 The student is capable of elaborating and exposing works on the basic contents of the subject, and of working in a team.



## Competencies

Depending on the learning outcomes, the competencies to which the subject contributes are (please score from 1 to 4, being 4 the highest score):

BASIC		Weighting			
		1	2	3	4
CB2	Students are able to apply knowledge to their work in a professional way and have the competences enabling them to state and defend views and opinions as well as perform problem-solving tasks in their field of study.				X
CB5	Students develop the necessary learning skills to undertake further studies with a high level of autonomy.				X

GENERAL		Weighting			
		1	2	3	4
CG1	Capacity to analyze and synthesize			X	
CG2	Capacity to organize and plan				X
CG3	Mastering Spanish oral and written communication			X	
CG6	Capacity to manage information (capacity to look for and analyze information coming from different types of sources)			X	
CG7	Decision making				X
CG8	Capacity to work in interdisciplinary and multidisciplinary team				X
CG9	Interpersonal skills		X		
CG10	Critical and self-critical capacity			X	
CG11	Capacity to learn			X	
CG12	Capacity to adapt to new situations			X	



CG13	Capacity to produce new ideas (creativity)				X
CG14	Leadership abilities.		X		
CG16	Capacity to apply theoretical knowledge				X
CG17	Research skills			X	
CG18	Sensibility to environmental issues.			X	

SPECIFIC		Weighting			
		1	2	3	4
CE1	Knowing and understanding contents, principles and theories related to Oceanography		X		
CE4	Understanding laws regulating use of marine resources and environment		X		
CE5	Applying marine environment use planning techniques as well as resource sustainable management				X
CE8	Identifying and analyzing new problems and proposing solution strategies				X
CE12	Describing, classifying and mapping sea bottoms and coastal areas				X
CE13	Looking for and assessing different kinds of marine resources			X	
CE14	Designing patterns of marine protected areas management				X
CE16	Proposing management models for endangered species recovery centers		X		
CE22	Practical experience of methods of marine environmental impact assessment			X	



## Assessment system for the acquisition of competencies and grading system

Assessed learning outcomes	Granted percentage	Assessment method
R1, R2	50,00%	Written test with theoretical and practical questions
R2, R3, R4	40,00%	Delivery of guided assignments, whose objectives and contents will be proposed by the teacher
R4	10,00%	Oral presentation

### Observations

According to the general evaluation and qualification regulations, the preferred evaluation system will be by means of continuous evaluation. Specifically:

Continuous assessment will be applied in the item 'Delivery of assignments directed by the teacher' by means of the delivery in various phases of the project that is the vehicle for the subject .

The student must obtain at least 50% on each test to average with the other evaluation items.

### MENTION OF DISTINCTION:

In accordance with the regulations governing the assessment and grading of subjects in force at UCV, the distinction of "Matrícula de Honor" (Honours with Distinction) may be awarded to students who have achieved a grade of 9.0 or higher. The number of "Matrículas de Honor" (Honours with Distinction) may not exceed five percent of the students enrolled in the group for the corresponding academic year, unless the number of enrolled students is fewer than 20, in which case a single "Matrícula de Honor" (Honours with 9 Distinction) may be awarded. Exceptionally, these distinctions may be assigned globally across different groups of the same subject. Nevertheless, the total number of distinctions awarded will be the same as if they were assigned by group, but they may be distributed among all students based on a common criterion, regardless of the group to which they belong. The criteria for awarding "Matrícula de Honor" (Honours with Distinction) will be determined according to the guidelines stipulated by the professor responsible for the course, as detailed in the "Observations" section of the evaluation system in the course guide.



## Learning activities

The following methodologies will be used so that the students can achieve the learning outcomes of the subject:

- M1 Teacher presentation of contents, analysis of competences, explanation and in-class display of skills, abilities and knowledge.
- M2 Group work sessions supervised by the professor. Case studies, diagnostic tests, problems, field work, computer room, visits, data search, libraries, on-line, Internet, etc. Meaningful construction of knowledge through interaction and student activity.
- M3 Activities carried out in spaces with specialized equipment.
- M4 Supervised monographic sessions with shared participation.
- M5 Application of multidisciplinary knowledge.
- M6 Personalized and small group attention. Period of instruction and/or guidance carried out by a tutor to review and discuss materials and topics presented in classes, seminars, readings, papers, etc.
- M8 Set of oral and/or written tests used in initial, formative or additive assessment of the student.
- M9 Group preparation of readings, essays, problem-solving, seminars, papers, reports, etc. to be presented or submitted in theoretical , practical and/or small-group tutoring sessions. Work done on the university e-learning platform ([www.plataforma.ucv.es](http://www.plataforma.ucv.es) )
- M10 Student's study: Individual preparation of readings, essays, problem-solving, seminars, papers, reports, etc. to be presented or submitted in theoretical, practical and/or small-group tutoring sessions. Work done on the university e-learning platform ( [www.plataforma.ucv.es](http://www.plataforma.ucv.es) ).



## IN-CLASS LEARNING ACTIVITIES

	LEARNING OUTCOMES	HOURS	ECTS
ON-CAMPUS CLASS M1	R1	37,00	1,48
PRACTICAL CLASSES M2	R2, R3	14,00	0,56
SEMINAR M4	R2, R3	2,00	0,08
GROUP PRESENTATION OF ASSIGNMENTS M5	R4	2,00	0,08
TUTORIAL M6	R1, R2, R3, R4	3,00	0,12
ASSESSMENT M8	R1, R2	2,00	0,08
<b>TOTAL</b>		<b>60,00</b>	<b>2,40</b>

## LEARNING ACTIVITIES OF AUTONOMOUS WORK

	LEARNING OUTCOMES	HOURS	ECTS
GROUP WORK M9	R2, R3, R4	40,00	1,60
INDEPENDENT WORK M10	R1, R2, R3, R4	50,00	2,00
<b>TOTAL</b>		<b>90,00</b>	<b>3,60</b>





## Description of the contents

Description of the necessary contents to acquire the learning outcomes.

### Theoretical contents:

Content block	Contents
DIDACTIC UNIT 1. The concept of littoral.	Configuration and delimiting. The littoral like physical-natural, socio-economic and administrative subsystem.
DIDACTIC UNIT 2. Uses on the littoral	Uses on the littoral. Resources. Anthropic Impacts on the littoral environment. Coastal risks
DIDACTIC UNIT 3. Instruments for the planning and management of littoral zones	Main methodologies and instruments for the planning and management of littoral zones. European, national and regional framework.
DIDACTIC UNIT 4. Beach management.	Beach management. Systems of Environmental Management and Quality (ISO 14000/ISO 9000). Regulation EMAS

### Organization of the practical activities:

	Content	Place	Hours
PR1.	PRACTICES: Excursion. Objective: Recognize different types of management in the Natural Park Albufera	Field visit	6,00
PR2.	PRACTICES. Technical Visit. Objective: identify uses of coastal areas of the Valencian Community	Technical visit	2,00
PR3.	PRACTICES. Analysis of the management of the protected area of the Albufera. Analysis of regional planning instruments.	Lecture room	6,00
PR4.	PRACTICES. Computer classroom. GIS display of protected areas and their management instruments in Valencian Community. GIZC Project	Computer	10,00



## Temporary organization of learning:

Block of content	Number of sessions	Hours
DIDACTIC UNIT 1. The concept of littoral.	8,00	16,00
DIDACTIC UNIT 2. Uses on the littoral	6,00	12,00
DIDACTIC UNIT 3. Instruments for the planning and management of littoral zones	12,00	24,00
DIDACTIC UNIT 4. Beach management.	4,00	8,00



## References

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- BARRAGAN MUÑOZ, J. M. 2014. Política, Gestión y Litoral. Una nueva visión de la gestión integral de áreas litorales. Ed. Tébar Flores. Madrid. 97 pp.
- BARRAGAN MUÑOZ, J. M. 2003. Medio ambiente y desarrollo en áreas litorales. Introducción a la planificación y gestión integradas. Ed. Oikos –Tau. Barcelona.
- BARRAGÁN MUÑOZ, J.M. 1997. Medio ambiente y desarrollo en las áreas litorales: Guía práctica para la planificación y gestión integradas, Barcelona, Oikos- Tau, 160 pp.
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- DOODY, J.P. 2001. Coastal conservation and management. An ecological perspective. Kluwer Academic Publishers.
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- GENERALITAT VALENCIANA. Plan de Acción Territorial de Riesgo de Inundación de la Comunidad Valenciana. Generalitat Valenciana. DOGV 7649 DE 03-11-2015. <https://politicaterritorial.gva.es/es/web/planificacion-territorial-e-infraestructura-verde/patricova-plan-de-accion-territorial-de-caracter-sectorial-sobre-prevencion-del-riesgo-de-inundacion-en-la-comunitat-valenciana>.
- GENERALITAT VALENCIANA. Plan de Acción Territorial de Infraestructura Verde de la Comunidad Valenciana DOGV 8293 DE 11-05-2018. <https://politicaterritorial.gva.es/es/web/planificacion-territorial-e-infraestructura-verde/plan-de-accion-territorial-de-la-infraestructura-verde-del-litoral>. <https://politicaterritorial.gva.es/es/web/planificacion-territorial-e-infraestructura-verde/patricova-plan-de-accion-territorial-de-caracter-sectorial-sobre-prevencion-del-riesgo-de-inundacion-en-la-comunitat-valenciana>
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