



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

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

MENTION OF DISTINCTION:

According to Article 22 of the Regulations governing the Evaluation and Qualification of UCV Courses, the mention of "Distinction of Honor" may be awarded by the professor responsible for the course to students who have obtained, at least, the qualification of 9 over 10 ("Sobresaliente"). The number of "Distinction of Honor" mentions that may be awarded may not exceed five percent of the number of students included in the same official record, unless this number is lower than 20, in which case only one "Distinction of Honor" may be awarded.

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)
- 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).



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
TOTAL		60,00	2,40

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
TOTAL		90,00	3,60



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.
- CLARK, J.R. 1996. Coastal Zone Management Handbook. Lewis Publishers.
- DOODY, J.P. 2001. Coastal conservation and management. An ecological perspective. Kluwer Academic Publishers.
- ESTRATEGIA TERRITORIAL DE LA COMUNIDAD VALENCIANA. LIBRO 9.
<https://politicaterritorial.gva.es/es/web/planificacion-territorial-e-infraestructura-verde/estrategia-territorial-de-la-comunitat-valenciana-77496>
- 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>
- KAY, R. y ALDER, J 1999. Coastal planning and management. Londres, E&FN, 370 pp.
- KRISHNAMURTHY, R., JONATHAN, M.P., SRINIVASALU, S., GLAESE, B. 2018. Coastal management. 546 pp.
- MINISTERIO DE OBRAS PÚBLICAS Y URBANISMO. Ordenación de los Espacios Litorales. Centro de Estudios de Ordenación del Territorio y Medio Ambiente



Addendum to the Course Guide of the Subject

Due to the exceptional situation caused by the health crisis of the COVID-19 and taking into account the security measures related to the development of the educational activity in the Higher Education Institution teaching area, the following changes have been made in the guide of the subject to ensure that Students achieve their learning outcomes of the Subject.

Situation 1: Teaching without limited capacity (when the number of enrolled students is lower than the allowed capacity in classroom, according to the security measures taken).

In this case, no changes are made in the guide of the subject.

Situation 2: Teaching with limited capacity (when the number of enrolled students is higher than the allowed capacity in classroom, according to the security measures taken).

In this case, the following changes are made:

1. Educational Activities of Onsite Work:

All the foreseen activities to be developed in the classroom as indicated in this field of the guide of the subject will be made through a simultaneous teaching method combining onsite teaching in the classroom and synchronous online teaching. Students will be able to attend classes onsite or to attend them online through the telematic tools provided by the university (videoconferences). In any case, students who attend classes onsite and who attend them by videoconference will rotate periodically.

In the particular case of this subject, these videoconferences will be made through:

☒ Microsoft Teams

☒ Kaltura



Situation 3: Confinement due to a new State of Alarm.

In this case, the following changes are made:

1. Educational Activities of Onsite Work:

All the foreseen activities to be developed in the classroom as indicated in this field of the guide of the subject, as well as the group and personalized tutoring, will be done with the telematic tools provided by the University, through:

☒ Microsoft Teams

☒ Kaltura

Explanation about the practical sessions:

In the case of a new state of alarm, technical visits to the Devesa Technical Office, Cullera and the exhibition "Huerta y Marjal" (Museum of Ethnology) will be moved to new dates as soon as the health situation allows. As a non-face-to-face alternative, they will be replaced by virtual visits through Google Earth and web pages.



2. System for Assessing the Acquisition of the competences and Assessment System

ONSITE WORK

Regarding the Assessment Tools:

☒ The Assessment Tools will not be modified. If onsite assessment is not possible, it will be done online through the UCVnet Campus.

☐ The following changes will be made to adapt the subject's assessment to the online teaching.

Course guide		Adaptation	
Assessment tool	Allocated percentage	Description of the suggested changes	Platform to be used

The other Assessment Tools will not be modified with regards to what is indicated in the Course Guide.

Comments to the Assessment System: