



Information about the subject

Degree: Bachelor of Science Degree in Marine Sciences

Faculty: Faculty of Veterinary Medicine and Experimental Sciences

Code: 274003 **Name:** Legislation and Economy

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	<u>Enrique Badimon Sanz</u> (Responsible Lecturer)	enrique.badimon@ucv.es
	<u>Maria Escriba Beltran</u>	maria.escriba@ucv.es
CAUR	<u>Enrique Badimon Sanz</u> (Responsible Lecturer)	enrique.badimon@ucv.es



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

It does not require previous 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 is capable of elaborating and exposing works on the basic contents of the subject, and of working in a team.
- R2 The student knows the different activities that the Administration can develop and is able to differentiate them.
- R3 The student knows the competences of each of the Public Administrations in environmental matters.
- R4 The student knows the general administrative and the sanctioning procedure in environmental matters.
- R5 The student knows the different ways of terminating the administrative procedure and how administrative silence operates in administrative procedures in environmental matters.
- R6 The student knows Maritime Law.
- R7 The student is familiar with the application of environmental legislation and sectoral legislation in the areas of coasts, ports and fisheries.



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	
CB4	Command of a foreign language			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	
CG5	Knowing and applying Basic ITC skills related to marine science		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	
CE3	Knowing basic market economy techniques related to marine resources				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
CE11	Knowing how to do fieldwork and laboratory experiments in a safe and responsible way, promoting teamwork	X			
CE13	Looking for and assessing different kinds of marine resources	X			
CE15	Identifying and proposing monitoring means for problems of marine pollution			X	
CE17	Developing training programs for marine and coastal areas		X		
CE19	Deeply understanding operating systems of maritime orientated companies, identifying their problems and proposing solutions				X



CE20 Mastering practical use of models, including new data for validation, improvement and development of models

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
	50,00%	Written test with theoretical and practical questions
	40,00%	Delivery of guided assignments, whose objectives and contents will be proposed by the teacher
	10,00%	Oral presentation

Observations

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	R2, R3, R4, R5, R6, R7	45,00	1,80
PRACTICAL CLASSES M2	R1, R6, R7	6,00	0,24
SEMINAR M4	R1, R6, R7	2,00	0,08
GROUP PRESENTATION OF ASSIGNMENTS M5	R1, R6, R7	2,00	0,08
TUTORIAL M6	R3, R4, R5, R6, R7	3,00	0,12
ASSESSMENT M8	R2, R3, R4, R5, R6, R7	2,00	0,08
TOTAL		60,00	2,40

LEARNING ACTIVITIES OF AUTONOMOUS WORK

	LEARNING OUTCOMES	HOURS	ECTS
GROUP WORK M9	R1, R4, R6	30,00	1,20
INDEPENDENT WORK M10	R2, R3, R4, R5, R6, R7	60,00	2,40
TOTAL		90,00	3,60



Description of the contents

Description of the necessary contents to acquire the learning outcomes.

Theoretical contents:

Content block

Contents



Legislation

Legislation

LESSON 1

INTRODUCTION TO LAW

- 1.1 The State: legal and constitutional systems.
- 1.2 Law and legal system.
- 1.3 The Spanish legal system and its hierarchy.
- 1.4 Administrative law and sanctioning regime in Spain.
- 1.5 The sources of international law and the European Union.

LESSON 2

MARINE SPACES

- 2.1 Evolution of international law of the sea.
- 2.2 Legal regime of marine areas.
- 2.3 The exploitation of the sea and ocean bottoms.
- 2.4 Research in polar spaces.
- 2.5 The resolution of maritime disputes. The International Tribunal for the Law of the Sea
- 2.6 International organizations and the sea.
- 2.7 The protection of underwater cultural heritage.

LESSON 3

INTRODUCTION TO MARITIME LAW

- 3.1 Legal status of vehicles intended for sea navigation.
- 3.2 Contract for the construction, sale and rental of ships.
- 3.3 Subjects of navigation.
- 3.4 Contracts for the operation of the ship.
- 3.5 Introduction to Fishing Law.
- 3.6 Introduction to nautical law.

LESSON 4

THE MARITIME ADMINISTRATION

- 4.1 The Spanish Maritime Administration.
- 4.2 Management of ports of general interest in Spain.
- 4.3 Management of fishing and recreational ports.
- 4.4 Maritime traffic.
- 4.5 Documentation.

LESSON 5

PROTECTION OF THE MARINE ENVIRONMENT

- 5.1 The protection of the environment in the Spanish legal system.



- 5.2 The Spanish Administration and the protection of the environment.
- 5.3 International and European regulations for maritime and biodiversity protection.
- 5.4 The responsibility in case of contamination.



Economy

UNIT 1

INTRODUCTION TO LAW

- 1.1 Law and legal system
- 1.2 Types of rules
- 1.3 The Spanish legal system and its hierarchy
- 1.4 Administrative law and sanction regime in Spain
- 1.5 The sources of International law
- 1.6 European Union law and institutions

UNIT 2

MARITIME AREAS

- 2.1 Evolution of international sea law
- 2.2 Legal regime of marine spaces
- 2.3 The exploitation of ocean floor
- 2.4 Research in polar spaces
- 2.5 The resolution of maritime disputes. The International Court for the Law of the Sea
- 2.6 International organizations and the sea
- 2.6 The protection of underwater cultural heritage

UNIT 3

INTRODUCTION TO MARITIME LAW

- 3.1 Legal regime of vessels intended for sea navigation
- 3.2 Ship construction and sale contract
- 3.3 Ship lease contract
- 3.4 Ship inspection and classification societies
- 3.5 Navigation subjects
- 3.6 The Spanish port regime

UNIT 4

NAUTICAL AND FISHING LAW

- 4.1 Nautical Law
- 4.2 Leasing of boat contract
- 4.3 Legal regime of fishing. The Common Fisheries Policy

UNIT 5

THE PROTECTION OF THE MARINE ENVIRONMENT

- 5.1 The protection of the environment in the Spanish legal system
- 5.2 International environmental protection agreements
- 5.3 European regulation of maritime and biodiversity protection
- 5.4 Responsibility in case of contamination

DIDACTIC UNIT I: FUNDAMENTAL ECONOMIC CONCEPTS



Unit 1.- FUNDAMENTAL ECONOMIC PROBLEMS
Unit 2.- MACROECONOMICS VS MICROECONOMICS
Unit 3.- MARKETS AND EFFICIENT ALLOCATION OF RESOURCES

DIDACTIC UNIT II: ECONOMY AND ENVIRONMENT

Unit 4.- MARKET FAILURES AND ECONOMIC INTERVENTIONS
Unit 5.- RENEWABLE RESOURCE ECONOMICS
Unit 6.- FISHERIESMANAGEMENT AND FISHERIES POLICY

DIDACTIC UNIT III: BUSINESS MANAGEMENT AND BUSINESS CREATION

Unit 7.- COMPANIES AND ECONOMIC SYSTEM
Unit 8.- CONCEPTS OF MARKETING, FINANCE AND HUMAN RESOURCES
Unit 9.- BUSINESS CREATION

Organization of the practical activities:

	Content	Place	Hours
PR1.	Economic press analysis.	Lecture room	2,00
PR2.	Case studies on externalities	Lecture room	2,00
PR3.	Common Fisheries Policy Analysis	Lecture room	2,00

Temporary organization of learning:

Block of content	Number of sessions	Hours
Legislation	15,00	30,00
Economy	15,00	30,00



References

LEGISLATION:

Arroyo Martínez, I. (2017) Compendio de Derecho marítimo 3ª ed. Tecnos, Madrid

Diez de Velasco, M. (2013). Instituciones de derecho internacional público. Tomo I, 13ª edición, Ed.

Gabaldón García, J. L. (2012). Curso de derecho marítimo internacional. Marcia Pons, Madrid

Gabaldón García, J. L. (2016). Curso de derecho marítimo español. Marcia Pons, Madrid

ECONOMY:

Arroyo Martínez, I. (2017) Compendio de Derecho marítimo 3ª ed. Tecnos, Madrid

Diez de Velasco, M. (2013). Instituciones de derecho internacional público. Tomo I, 13ª edición, Ed.

Gabaldón García, J. L. (2012). Curso de derecho marítimo internacional. Marcia Pons, Madrid

Gabaldón García, J. L. (2016). Curso de derecho marítimo español. Marcia Pons, Madrid

ECONOMÍA:

Azqueta, D. (2002): Introducción a la Economía Ambiental, Editorial Mc Graw Hill

Mochón, F. (1995). Principios de economía. McGraw-Hill.

Pearce, D.W. y Turner, R.K (1995): Economía de los Recursos Naturales y del Medio Ambiente, Celeste Ediciones.

Pindyck, R. S., Rubinfeld, D. L., & Rabasco, E. (2018). Microeconomía. Pearson Italia.

Vierros, M., & De Fontaubert, C. (2017). The potential of the blue economy: increasing long-term benefits of the sustainable use of marine resources for small island developing states and coastal least developed countries (No. 115545, pp. 1-50). The World Bank.

<https://openknowledge.worldbank.org/handle/10986/26843>

Riera, P. et al. (2005): Manual de Economía Ambiental y de los Recursos Naturales, Editorial Thompson.

Bonini, S., Saran, N., & Stein, L. (2011). Design for Sustainable Fisheries: Modeling Fishery Economics. Miami: McKinsey & Co.

Anderson, J., & Guillen, J. (2019). Annual economic report on the EU fishing fleet. Office for Official Publications of the European Communities, Luxembourg.

Scientific, Technical and Economic Committee for Fisheries (STECF): The 2019 Annual Economic Report on the EU Fishing Fleet (STECF 19-06), Carvalho, N., Keatinge, M. and Guillen Garcia, J. editor(s), EUR 28359 EN, Publications Office of the European Union, Luxembourg, 2019, ISBN 978-92-76-09517-0, doi:10.2760/911768, JRC117567.

Smith-Godfrey, S. (2016). Defining the blue economy. Maritime affairs: Journal of the national maritime foundation of India, 12(1), 58-64.

Hoareau, K. (2016). Introduction to the Blue Economy.

https://ec.europa.eu/maritimeaffairs/policy/blue_growth_en

<https://ec.europa.eu/fisheries/cfp/>

<https://www.mapa.gob.es/es/pesca/temas/default.aspx>

<https://ec.europa.eu/research/bioeconomy/index.cfm?pg=home>



<http://www.fao.org/3/w6914s/W6914S01.htm>





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
- Blackboard Collaborate Ultra
- 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

Blackboard Collaborate Ultra

Kaltura

Explanation about the practical sessions:



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: