



IDENTIFYING DATA

Marine and coastal management

Subject	Marine and coastal management			
Code	V10G061V01404			
Study programme	Grado en Ciencias del Mar			
Descriptors	ECTS Credits	Choose	Year	Quadmester
	6	Mandatory	4th	1st
Teaching language	Galician			
Department				
Coordinator	Méndez Martínez, Gonzalo Benito			
Lecturers	Méndez Martínez, Gonzalo Benito			
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General description	In this matter presents a multidisciplinary vision of the coastal and marine zone, identifying the conflicts and risks associated to these areas. They enter the main tools for the management of these two environments as well as the administrative context-legislative in that it is framed the coastal and marine management.			

Training and Learning Results

Code	
A2	Students can apply their knowledge and understanding in a manner that indicates a professional approach to their work or vocation, and have competences typically demonstrated through devising and sustaining arguments and solving problems within their field of study
A3	Students have the ability to gather and interpret relevant data (usually within their field of study) to inform judgments that include reflection on relevant social, scientific or ethical issues
A4	Students can communicate information, ideas, problems and solutions to both specialist and non-specialist audiences
B1	Know and use vocabulary, concepts, principles and theories related to oceanography and apply everything learned in a professional and/or research environment.
B4	Manage, process and interpret the data and information obtained both in the field and in the laboratory.
B5	Develop, implement and write basic or applied projects in oceanography from a multidisciplinary perspective.
C13	Acquire the basic sedimentological, geochemical and geophysical techniques and methodologies used in identification, use and sustainability of the natural resources of coastal and marine environments.
C14	Know basic concepts and events of global change obtained from geological records.
D1	Develop the search, analysis and synthesis of information skills oriented to the identification and resolution of problems.
D3	Understanding the meaning and application of the gender perspective in different fields of knowledge and in professional practice with the aim of achieving a more just and equal society.
D5	Sustainability and environmental commitment. Equitable, responsible and efficient use of resources.

Expected results from this subject

Expected results from this subject	Training and Learning Results			
Knowledge and critical assessment of the sources of information for coastal and sea planning and management	A2	B1		D1
	A3	B4		D3
Elaborate land use/cover maps	A4	B4	C13	
		B5	C14	
Capacity to understand the application of the corresponding sectorial legislations	A3	B1		D3
	A4	B4		D5
		B5		
To know and evaluate the legal uses of the coastal and marine areas	A4	B5		D1
				D5
To understand the sustainable use of the resources	A3	B5		D5

Contents

Topic	
1. Processes and state of the coastal environments	1.1. Processes and state of the coastal environments 1.1.1. Global change problems.
2. Management of the coastal space	2.1. Criteria of management 2.2. Experiences
3. Tools and Technics for the planning and management of the sea	3.1. Methodologies 3.2. Technics
4. Intervention instruments in the coast and marine areas	4.1. The Law of the Coast 4.2. Urbanistic Legislation applicable to the protection of the seaboard 4.3. Protection of natural areas, elements and species of interest 4.4. Use and conservation of the coastal spaces for turistic uses. 4.5. Management of port spaces 4.6. The management of the installations and spaces for the aquaculture
5. Evaluations of impact	5.1. Basic concepts 5.2. Evaluation of projects 5.3. Evaluation of plans and programs
6. Jurisdictional Waters and territorial sea	6.1. Basic concepts and international norms 6.2. Methodologies 6.3. The Spanish rule 6.4. Examples of application

Planning

	Class hours	Hours outside the classroom	Total hours
Lecturing	23	46	69
Seminars	14	30	44
Studies excursion	8	11	19
Practices through ICT	7	9	16
Problem and/or exercise solving	2	0	2

*The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.

Methodologies

	Description
Lecturing	Theoretical contents. Concepts, etc.
Seminars	7 Seminars on subjects related with the Theory: preparation of bibliographic works and exhibition
Studies excursion	Field trip to A Lanzada isthmus for the observation of natural environments and human modifications, impacts, management, etc.
Practices through ICT	P1-Legal territorial boundaries P2-Evaluation of environmental impact

Personalized assistance

Methodologies	Description
Seminars	7 seminars of 2 hours in which the lecturer will enter a subject and the students will work on a questionnaire. All the questions will be solved in the seminars. There will be personal tutorials for the preparation of the oral and written presentations in previously scheduled sessions.
Lecturing	23 classes of 1 hour. Students will have access to tutorials, mainly in the indicated schedules. It is advisable that the student contact the lecturer by e-mail.
Practices through ICT	7 hours, in the computer room and/or in cabinet. They will approach different subjects applied of coastal management, where the students will have to solve problems posed during the practice. The doubts and questions will be addressed during the practice.
Studies excursion	Field practices on the isthmus of A Lanzada. Attention in the field the day of the field trip.

Assessment

Description	Qualification	Training and Learning Results

Lecturing	The evaluation will consist of a written exam.	40	A2 A3	B1	D1 D3 D5
	To be approved, the student need to obtain a minimum of 4.5 points on the condition that the global average reaches 5 points.				
Seminars	Assistance is compulsory.	30	A3 A4	B4	C13 C14 D1 D3 D5
	To be approved, the student need to obtain a minimum of 4.5 points on the condition that the global average reaches 5 points.				
Studies excursion	Delivery of a memory of field/questionnaire	10	A3	B1	C13 C14 D1 D3 D5
Practices through ICT	Assistance is compulsory.	20	A4	B5	D1 D3 D5
	To pass the proofs, the students will need to obtain a minimum of 4.5 points on the condition that the global average reaches 5 points.				
	The students will present the required tests, memoires, etc. the same day at the end of the practice.				

Other comments on the Evaluation

Date, time and place of exams will be published in the official web of Marine Sciences Faculty:
<http://mar.uvigo.es/alumnado/examenes/>

The students are required a responsible and honest behaviour. Any form of fraud (i.e. copies and/or plagiarism) directed to alter the level of knowledge or skill reached by the student/to in any type of proof, report or work designed with this purpose is consider inadmissible. The fraudulent behaviours will suppose the suspension of the subject during a complete course. An internal file containing these irregular behaviors will be started, and subsequently the lecturer would be able to request the opening of a disciplinary file in the rectorship.

The global evaluation will be carried out by means of a single test of all the contents of the subject with theoretical questions and practical exercises.

The second chance evaluation will be carried out through specific tests of each one of the failed parts (theory, seminars, practices and field trip).

Global assessment option: The application for this evaluation option must be submitted in the time and manner determined by the Center, which will be published prior to the academic start. Given the experimental nature of the practices, attendance at them is mandatory to be eligible for this evaluation option. **Failure to attend the practices, with no justified cause invalidates this possibility, as well as the opportunity for extraordinary evaluation (2nd opportunity).**

Sources of information

Basic Bibliography

Barragán Muñoz, J.M., **Las áreas litorales de España. Del análisis geográfico a la gestión integrada**, Ed. Ariel, Doménech, J.L., Sardá, R., Carballo, A., Villasante, C.S., Barragán, J.M., Borja, A., Rodríguez, M.J, **Gestión integrada de zonas costeras**, AENOR ediciones,

Masselink, G. y Gehrels, R., **Coastal environments and global change**, Wiley,

Gómez Orea, D. y Gómez Villarino, A., **Evaluación de impacto ambiental**, MP,

Complementary Bibliography

Barragán Muñoz, J.M., **Coastal management and public policy in Spain**, Ocean and Coastal Management,

Comisión Europea, **Programa de demostración de la UE sobre la Gestión Integrada de las Zonas Costeras**

1997-1999. Hacia una estrategia europea para la gestión integrada de las zonas costeras. Principios generales y opción, Luxemburgo, Oficina de Publicaciones Oficiales de las Comunidades Europeas,

Prada, A., Vázquez-Rodríguez, M.X., Soliño-Millán, M., **Desarrollo sostenible en la costa gallega**, CIEF, Centro de Investigación Económica y Financiera, Fundación Novacaixagalicia,

Barragán Muñoz, J.M., **Política, Gestión y Litoral: Una nueva visión de la Gestión Integrada de Áreas Litorales**, Tébar Flores,

Barragán Muñoz, J.M., **Medio Ambiente y desarrollo en áreas litorales**, Servicio de publicaciones de la U. Cádiz. ,

Gómez Orea, D., **Evaluación ambiental estratégica**, Mundiprensa,

Recommendations

Subjects that continue the syllabus

Geographic analysis methods/V10G061V01409

Subjects that are recommended to be taken simultaneously

Applied marine geology/V10G061V01403

Subjects that it is recommended to have taken before

Coastal and marine sedimentary habitats/V10G061V01207
