

**1. General information**

Course: IBERIAN VEGETATION, CARTOGRAPHY AND HABITAT MANAGE
Type: ELECTIVE
Degree: 340 - UNDERGRADUATE DEGREE PROGRAMME IN ENVIRONMENTAL SCIENCES
Center: 501 - FACULTY OF ENVIRONMENTAL SCIENCES AND BIOCHEMISTRY
Year: 4
Main language: Spanish
Use of additional languages:
Web site:

Code: 37339
ECTS credits: 4.5
Academic year: 2019-20
Group(s): 40
Duration: C2
Second language:
English Friendly: Y
Bilingual: N

Lecturer: MARIA ROSA PEREZ BADIA - Group(s): 40				
Building/Office	Department	Phone number	Email	Office hours
Sabatini, Despacho 0.25	CIENCIAS AMBIENTALES	ext. 5443	rosa.perez@uclm.es	Miércoles 12 a 15h Jueves 12 a 15h
Lecturer: JESUS ROJO UBEDA - Group(s): 40				
Building/Office	Department	Phone number	Email	Office hours
Sabatini 1.6	CIENCIAS AMBIENTALES	5479	Jesus.Rojo@uclm.es	

2. Pre-Requisites

Not established

3. Justification in the curriculum, relation to other subjects and to the profession

The study of plant communities is necessary for the management and conservation of the habitats. This subject is essential for the students who in the future want work in public or private organisms or consulting companies related to the management of natural environment and its resources, protected areas (National or Natural Parks, etc.), urban and territorial planning and to carrying out studies and reports, particularly those of environmental impact.

4. Degree competences achieved in this course**Course competences**

Code	Description
CB01	Prove that they have acquired and understood knowledge in a subject area that derives from general secondary education and is appropriate to a level based on advanced course books, and includes updated and cutting-edge aspects of their field of knowledge.
CB02	Apply their knowledge to their job or vocation in a professional manner and show that they have the competences to construct and justify arguments and solve problems within their subject area.
CB03	Be able to gather and process relevant information (usually within their subject area) to give opinions, including reflections on relevant social, scientific or ethical issues.
CB04	Transmit information, ideas, problems and solutions for both specialist and non-specialist audiences.
CB05	Have developed the necessary learning abilities to carry on studying autonomously
CB06	Students have developed the ability to work as a team and lead, direct, plan and supervise multidisciplinary teams
E01	Ability to understand and apply basic knowledge.
E02	Capacity for multidisciplinary consideration of an environmental problem
E03	Awareness of the temporal and spatial dimensions of environmental processes
E04	Ability to integrate experimental evidence found in field and/or laboratory studies with theoretical knowledge.
E05	Capacity for qualitative data interpretation
E06	Capacity for quantitative data interpretation
E07	Capacity to plan, manage and conserve natural resources
E13	Ability to handle software.
E18	Capacity to manage the natural environment
G02	Knowledge of Information and Communication Technologies (ICT).
G03	Good oral and written communication
G04	Ethical commitment and professional deontology

5. Objectives or Learning Outcomes**Course learning outcomes****Description**

Ability to apply knowledge in the preparation of environmental inventories and in the assessment and evaluation of impacts on vegetation.
Mastery of flora and vegetation mapping techniques.
Management of flora databases and vegetation inventories.
Management of sampling techniques and classification of plant communities.
Understanding the basis for the management of protected habitat types and of European interest.

6. Units / Contents

Unit 1:

Unit 1.1

Unit 1.2

Unit 1.3

Unit 1.4

Unit 2:

Unit 2.1

Unit 2.2

Unit 2.3

7. Activities, Units/Modules and Methodology

Training Activity	Methodology	Related Competences (only degrees before RD 822/2021)	ECTS	Hours	As	Com	R	Description
Class Attendance (theory) [ON-SITE]	Lectures	CB01 CB02 CB03 CB04 CB05 CB06 E01 E02 E03 E04 E05 E06 E07 E13 E18 G02 G03 G04	0.67	16.75	Y	N	N	
Laboratory practice or sessions [ON-SITE]	Practical or hands-on activities	CB01 CB02 CB03 CB04 CB05 CB06 E01 E02 E03 E04 E05 E06 E07 E13 E18 G02 G03 G04	0.7	17.5	Y	Y	N	
Field work [ON-SITE]	Other Methodologies	CB01 CB02 CB03 CB04 CB05 CB06 E01 E02 E03 E04 G04	0.35	8.75	Y	N	N	
Writing of reports or projects [OFF-SITE]	Guided or supervised work	CB01 CB02 CB03 CB04 CB05 CB06 E01 E02 E03 E04 E05 E06 E07 E13 E18 G02 G03 G04	0.8	20	Y	N	Y	
Practicum and practical activities report writing or preparation [OFF-SITE]	Guided or supervised work	CB01 CB02 CB03 CB04 CB05 CB06 E01 E02 E03 E04 E05 E06 E07 E13 E18 G02 G03 G04	0.7	17.5	Y	Y	Y	
Final test [ON-SITE]	Assessment tests	CB01 CB02 CB03 CB04 CB05 CB06 E01 E02 E03 E04 E05 E06 E07 E13 E18 G02 G03 G04	0.08	2	Y	Y	Y	
Study and Exam Preparation [OFF-SITE]	Self-study	CB01 CB02 CB03 CB04 CB05 CB06 E01 E02 E03 E04 E05 E06 E07 E13 E18 G02 G03 G04	1.2	30	Y	N	N	
Total:			4.5	112.5				
Total credits of in-class work: 1.8			Total class time hours: 45					
Total credits of out of class work: 2.7			Total hours of out of class work: 67.5					

As: Assessable training activity

Com: Training activity of compulsory overcoming

R: Rescheduling training activity

8. Evaluation criteria and Grading System

Evaluation System	Grading System		Description
	Face-to-Face	Self-Study Student	
Final test	55.00%	0.00%	
Theoretical papers assessment	15.00%	0.00%	
Practicum and practical activities reports assessment	10.00%	0.00%	
Assessment of problem solving and/or case studies	5.00%	0.00%	
Other methods of assessment	15.00%	0.00%	
Total:	100.00%	0.00%	

9. Assignments, course calendar and important dates

Not related to the syllabus/contents	
Hours	hours
Field work [PRESENCIAL][Other Methodologies]	8.75
Final test [PRESENCIAL][Assessment tests]	2
Unit 1 (de 2):	
Activities	Hours
Class Attendance (theory) [PRESENCIAL][Lectures]	8
Laboratory practice or sessions [PRESENCIAL][Practical or hands-on activities]	9
Writing of reports or projects [AUTÓNOMA][Guided or supervised work]	10

Practicum and practical activities report writing or preparation [AUTÓNOMA][Guided or supervised work]	9
Study and Exam Preparation [AUTÓNOMA][Self-study]	15
Group 40:	
Initial date: 02/01/2019	End date: 03/01/2019
Unit 2 (de 2):	
Activities	Hours
Class Attendance (theory) [PRESENCIAL][Lectures]	8.75
Laboratory practice or sessions [PRESENCIAL][Practical or hands-on activities]	8.5
Writing of reports or projects [AUTÓNOMA][Guided or supervised work]	10
Practicum and practical activities report writing or preparation [AUTÓNOMA][Guided or supervised work]	8.5
Study and Exam Preparation [AUTÓNOMA][Self-study]	15
Group 40:	
Initial date: 03/02/2019	End date: 04/03/2019
Global activity	
Activities	hours
Class Attendance (theory) [PRESENCIAL][Lectures]	16.75
Laboratory practice or sessions [PRESENCIAL][Practical or hands-on activities]	17.5
Field work [PRESENCIAL][Other Methodologies]	8.75
Writing of reports or projects [AUTÓNOMA][Guided or supervised work]	20
Practicum and practical activities report writing or preparation [AUTÓNOMA][Guided or supervised work]	17.5
Final test [PRESENCIAL][Assessment tests]	2
Study and Exam Preparation [AUTÓNOMA][Self-study]	30
Total horas: 112.5	

10. Bibliography and Sources						
Author(s)	Title/Link	Publishing house	City	ISBN	Year	Description
Baillie, J.E.M., Hilton-Taylor	2004 IUCN red list of threatened species. A global species assessment	Gland, Switzerland & Cambridge, UK			2010	
Bañares A., Blanca G., Güemes J., Moreno J.C. & Ortiz S.	Atlas y Libro Rojo de la Flora Amenazada de España	Ministerio de Medio Ambiente			2003	
Bermejo E. & Cornejo J.M. (coords.)	Atlas y Manual de los hábitats de España	Ministerio de Medio Ambiente			2003	
Blanco E., Casado M.A. & al.	Los bosques ibéricos. Una interpretación geobotánica.	Ed. Planeta			1997	
Blondel, J., Aronson, J., Bodiou, J.Y. & Boeuf, G.	The Mediterranean region: biological diversity through time and space.	Oxford			2010	
Carlos Fabregat & Javier Ranz (eds.)	Manual de identificación de Los hábitats protegidos en la Comunitat Valenciana. Colección Manuales Técnicos Biodiversidad, 7	Generalitat Valenciana			2015	
Loidi J. (ed.)	The Vegetation of the Iberian Peninsula	Springer		978-3-319-54784-8	2017	
Manuel Costa & Pilar Soriano	Global Strategy for Plant Conservation	Jardín Botánico. Universidad de Valencia			2011	
Martín Herrero & al.	La vegetación protegida de Castilla La Mancha.	Pub. Junta de Comunidades de Castilla La Mancha Serv. Publ. Junta de Comunidades de Castilla La Mancha	Toledo	84-7788-281-9	2003	
Peinado M. & Martínez Parras J.M.	El paisaje vegetal de Castilla-La Mancha.	Instituto Nacional para la Conservación de la Naturaleza			2010	
Rivas-Martínez S.	Mapa de series de vegetación de España 1:400000.				1987	
	http://www.magrama.gob.es/es/biodiversidad/temas http://www.magrama.gob.es/es/biodiversidad/temas/inventarios-nacionales/inventario-espanol-patrimonionatural-nacionales/inventario-especies-terrestres/ http://www.magrama.gob.es/es/biodiversidad/temas/red-natura-2000/documentos-claves-de-la-red-natura- www.unex.es/botanica					