

**COURSE DATA****Data Subject**

Code	43271
Name	Conservation and management of ecosystems
Cycle	Master's degree
ECTS Credits	6.0
Academic year	2017 - 2018

Study (s)

Degree	Center	Acad. year	Period
2148 - M.D. in Biodiversity: Conservation and Evolution	Faculty of Biological Sciences	1	Annual

Subject-matter

Degree	Subject-matter	Character
2148 - M.D. in Biodiversity: Conservation and Evolution	10 - Evaluation and management of ecosystems	Optional

Coordination

Name	Department
AGUILLELLA PALASI, ANTONI	32 - Botany
BARBA CAMPOS, EMILIO	275 - Microbiology and Ecology
CAMACHO GONZALEZ, ANTONIO	275 - Microbiology and Ecology

SUMMARY**English version is not available**

El “Master en Biodiversidad: conservación evolución” se constituye como programa de postgrado dirigido a la formación de profesionales e investigadores dedicados al mantenimiento de la diversidad biológica. La formación previa de los ingresados les debe haber proporcionado los conocimientos, habilidades y destrezas que sirven como base a los desarrollos más especializados que se realizan en este Master. En el primer curso del Master, y más concretamente en la asignatura “Estrategias de conservación y manejo de la diversidad” se proporciona la formación general básica necesaria que permite comprender las bases de la gestión y restauración orientada al mantenimiento de la diversidad.



La conservación y recuperación de la biodiversidad va ligada a la de los hábitats ocupados por los seres vivos. En esta asignatura se pretende formar al estudiante en los conocimientos y capacidades que le permitan dedicarse profesionalmente a la gestión y restauración de los ecosistemas, con especial énfasis en las temáticas de restauración ecológica. La asignatura incluye desde las bases ecológicas de la restauración hasta las técnicas más habituales empleadas en la restauración de ecosistemas, desarrollado desde una perspectiva holista en la que el mantenimiento o la recuperación de la funcionalidad de los ecosistemas sea la garantía principal del mantenimiento de las especies que albergan.

PREVIOUS KNOWLEDGE

Relationship to other subjects of the same degree

There are no specified enrollment restrictions with other subjects of the curriculum.

Other requirements

OUTCOMES

2148 - M.D. in Biodiversity: Conservation and Evolution

- Students should apply acquired knowledge to solve problems in unfamiliar contexts within their field of study, including multidisciplinary scenarios.
- Students should be able to integrate knowledge and address the complexity of making informed judgments based on incomplete or limited information, including reflections on the social and ethical responsibilities associated with the application of their knowledge and judgments.
- Students should communicate conclusions and underlying knowledge clearly and unambiguously to both specialized and non-specialized audiences.
- Students should demonstrate self-directed learning skills for continued academic growth.
- To acquire basic skills to develop laboratory work in biomedical research.
- Be able to make quick and effective decisions in professional or research practice.
- Be able to access the information required (databases, scientific articles, etc.) and to interpret and use it sensibly.
- Students should possess and understand foundational knowledge that enables original thinking and research in the field.
- Be able to access to information tools in other areas of knowledge and use them properly.
- To be able to assess the need to complete the scientific, historical, language, informatics, literature, ethics, social and human background in general, attending conferences, courses or doing complementary activities, self-assessing the contribution of these activities towards a comprehensive development.



- Stimulate the capacity for critical reasoning and for argumentation based on rational criteria.
- Awaken interest in the social and economic application of science.
- Encourage ethical commitment and environmental awareness.
- Be able to communicate and disseminate scientific ideas.

LEARNING OUTCOMES**English version is not available****WORKLOAD**

ACTIVITY	Hours	% To be attended
Theory classes	20,00	100
Computer classroom practice	15,00	100
Laboratory practices	15,00	100
Classroom practices	10,00	100
Development of group work	30,00	0
Development of individual work	15,00	0
Preparation of evaluation activities	30,00	0
Preparing lectures	15,00	0
TOTAL	150,00	

TEACHING METHODOLOGY**English version is not available****EVALUATION****English version is not available****REFERENCES****Basic**



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Additional

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- Mitsch W. J & S. E. Jorgensen. 2004. Ecological engineering and ecosystem restoration. Wiley, Hoboken, NJ
- Faz Cano A.; A.R. Mermut, J.M Arocena.& R. Ortiz Silla. 2009: Land Degradation and Rehabilitation. Advances in Geoecology 40. Catena Verlag, Germany.
- González del Tánago M. & García de Jalón D. 1995. Restauración de ríos y riberas. Ed. Fundación Conde del Valle de Salazar. Madrid.
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