



COURSE DATA

Data Subject	
Code	43236
Name	Ichthyology
Cycle	Master's degree
ECTS Credits	3.0
Academic year	2017 - 2018

Study (s)

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

Subject-matter

Degree	Subject-matter	Character
2148 - M.D. in Biodiversity: Conservation and Evolution	2 - Biodiversity and conservation of vertebrates	Optional

Coordination

Name	Department
MONTERO ROYO, FRANCISCO ESTEBAN	355 - Zoology
PEREZ DEL OLMO, ANA	355 - Zoology

SUMMARY

English version is not available

Ictiología es una asignatura del Máster de Biodiversidad: Conservación y Evolución, de 3 ECTS. La fauna íctica incluye a una gran diversidad de grupos de vertebrados, con muy diferentes planes estructurales que representan a líneas evolutivas altamente divergentes. El planteamiento principal de esta asignatura es precisamente evidenciar esa gran diversidad anatómica, biológica y ecológica. Asimismo, se indicará la importancia económica de distintas especies explotadas en pesquerías, tanto mundiales como locales.



PREVIOUS KNOWLEDGE

Relationship to other subjects of the same degree

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

Other requirements

Es necesario tener conocimientos básicos sobre Zoología

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.
- 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.
- Favour intellectual curiosity and encourage responsibility for one's own learning.
- 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
Laboratory practices	10,00	100
Attendance at events and external activities	2,00	0
Development of individual work	8,00	0
Preparation of evaluation activities	15,00	0
Preparing lectures	12,00	0
Preparation of practical classes and problem	8,00	0
TOTAL	75,00	

TEACHING METHODOLOGY

English version is not available

EVALUATION

English version is not available

REFERENCES

Basic

- Bauchot M.L. y Pras A. 1980. Guide des poissons marins d'Europe. Ed. Delachaux et Niestlé. 427pp.
- Bone Q. y Moore R. 2008. Biology of fishes. 3^a ed. Taylor & Francis. 450pp.
- Castro P. y Huber M.E. 2007. Biología Marina. McGraw-Hill. Interamericana McGraw-Hill. 486 pp.
- Helfman G.S., Collette B.B. y Facey D.E. 1997. The diversity of fishes. Blackwell Science. 528 pp.
- Moyle P.B. y Cech R. 2007. Fishes. An introduction to Ichthyology. Prentice-Hall. 367 pp.
- Nelson J.S. 2006. Fishes of the World. John Wiley & Sons. 601 pp.
- Pough F.H., Janis C.M. y Heiser JB. 2002. Vertebrate Life. Pearson, Prentice Hall. 467pp.
- Whitehead P.J.P et al. (eds.). 1986. Fishes of the North-eastern Atlantic and the Mediterranean. UNESCO. 3 vols.