COURSE DATA

Data Subject	
Code	43280
Name	Birds as bioindicators of ecosystem conservation
Cycle	Master's degree
ECTS Credits	3.0
Academic year	2019 - 2020

Study (s)

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

Subject-matter

Degree	Subject-matter	Character
2148 - M.D. in Biodiversity: Conservation and Evolution	13 - Cross-disciplinary optional subject areas 3	Optional

Coordination

Name	Department
GIL-DELGADO ALBERTI, JOSE ANTONIO	275 - Microbiology and Ecology
LOPEZ LOPEZ, PASCUAL	275 - Microbiology and Ecology
MONROS GONZALEZ, JUAN SALVADOR	275 - Microbiology and Ecology

SUMMARY

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La asignatura de **Las aves como indicadoras del estado de conservación de los ecosistemas** es una asignatura optativa para el master en Biodiversidad: conservación y evolución que tiene carácter cuatrimestral y se imparte en la especialidad de Biodiversidad y conservación de los ecosistemas. La asignatura comprende temas teóricos y prácticos en donde se expone y se trabaja en aquellos aspectos en que el conocimiento de las aves nos ayuda a la gestión y sostenibilidad del medio ambiente. El alumno debe de terminar estando capacitado para trabajar con las aves considerando perspectivas diferentes con el fin de conservar especies y hábitats, considerando que la conservación de los hábitats es la mejor manera de conservar la biodiversidad. La asignatura se distribuye en 3 créditos que totalizan para el alumno un total de 75 horas.

PREVIOUS KNOWLEDGE

Relationship to other subjects of the same degree

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

Other requirements

El alumno debe de tener nociones en ecología, botánica, zoología, microbiología, geografía, estadística. Además debe de estar capacitado para el reconocimiento de las aves a partir del uso de guías de campo.

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 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 access the information required (databases, scientific articles, etc.) and to interpret and use it sensibly.
- Stimulate the capacity for critical reasoning and for argumentation based on rational criteria.
- Favour intellectual curiosity and encourage responsibility for one's own learning.

LEARNING OUTCOMES

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WORKLOAD

ACTIVITY	Hours	% To be attended
Theory classes	20,00	100
Seminars	10,00	100
Attendance at events and external activities	5,00	0
Development of individual work	10,00	0
Study and independent work	7,00	0
Readings supplementary material	4,00	0
Preparation of evaluation activities	4,00	0
Preparing lectures	4,00	0
Preparation of practical classes and problem	4,00	0
Resolution of case studies	5,00	0
Resolution of online questionnaires	2,00	0
TOTAL	**75,00**	

TEACHING METHODOLOGY

English version is not available

EVALUATION

English version is not available

REFERENCES

Basic

- Cox. G. W. 2010. Bird Migration and Global change. Island Press. Whashington.
- Del Hoyo, J., Elliot. A., y Sargatal. J. (16 volumes entre 1992 y 2011). Handbook of the birds of the World. Lynx Ed. Barcelona.
- Ferrer, M. 2001. The Spanish Imperial Eagle. Lynx Edicions.
- Grant. P. Ecology and evolution of Darwin´ s Finches. Princenton University Press.
- Ladle. R. J. y Whittaker. R. J. 2011. Conservation biogeography. Wiley-Blackwell.

- McDonal. D. y Service. K. 2007. Key topics in Conservation Biology. Blackwell Publishing.
- Moller, A. P., Fiedler. W. y Berthold, P. 2006. Birds and climate change. Academic Press.
- Moller, A. P., Fiedler. W. y Berthold, P. 2010. Effects of climate change on birds. Oxford University Press.
- Sutherland. W. J., Newton. I. y Green. R. E. 2004. Bird ecology and conservation. Oxford University Press.
- Svenson, L. 2009. Guía para la identificación de los Paseriformes europeos. SEO/BirdLife. (2ª edición en castellano).

Additional

- Ardea. Ardeola. Auk.
- Bird Study. Condor. Ibis. Journal of Avian Biology. Studies in Avian Biology. Ornithological Monographs.
- Ecology. Biological Conservation. Conservation Biology.

ADDENDUM COVID-19

This addendum will only be activated if the health situation requires so and with the prior agreement of the Governing Council

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