Universidad Zaragoza

Academic Year/course: 2023/24

25252 - Zoology

Syllabus Information

Academic year: 2023/24
Subject: 25252 - Zoology
Faculty / School: 201 - Escuela Politécnica Superior
Degree: 571 - Degree in Environmental Sciences
ECTS: 6.0
Year: 1
Semester: Second Four-month period
Subject type: Basic Education
Module:

1. General information

The subject provides the basic contents of Zoology and the necessary vision for its use in the different facets of the professional development of the environmentalist : Consulting, Nature Protection Agents and equivalents, Cooperation, Environmental Impact Assessment, Environmental Communication and Education, Pest Control, Population Estimates, Protected Areas , Wildlife Conservation, Landscape Ecology, River Ecology, among others.

These approaches and objectives are aligned with the Sustainable Development Goals of the 2030 Agenda specifically Goal 15: Sustainably manage forests, combat desertification, halt and reverse land degradation and halt biodiversity loss.

2. Learning results

Describe, argue and explain basic knowledge of Zoology in homeostatic controls, reproduction, levels of organization, evolution and systematics of the most important Phyla.

Describe, argue and explain advanced knowledge of Zoology in morphology, reproduction, evolution and systematics in vertebrates.

Perform efficiently both in the laboratory and in the field, and select the appropriate tools (identification keys, field guides) for the characterization of biodiversity thus identifying most animal families, using appropriate nomenclature.

Describe and explain the landscape by identifying animal species. Work autonomously.

Carry out processes of analysis, synthesis and information management and expand their capacity to work in groups.

Analyse and understand different scientific texts related to the topics of the subject.

3. Syllabus

Topic 1. Introduction

Topic 2. Taxonomy and Systematics

Topic 3. Porifera

Topic 4. Cnidaria

Topic 5. Annelids

Topic 6. Molluscs and others

Topic 7. Chelicerates

Topic 8. Crustaceans

Topic 9. Myriapods

Topic 10. Hexapoda

Topic 11. Chordates

Topic 12. Fish

Topic 13. Amphibians

Topic 14. Reptiles

Topic 15. Birds

Topic 16. Mammals

Topic 17. Vertebrate management

Topic 18. Hunting, listed, introduced and invasive species

Topic 19. Study methodologies

Topic 20. Research in Zoology

4. Academic activities

Master classes: 30 h

Theoretical-practical sessions in which the contents of the subject will be explained.

Laboratory practices: 14 h.

Taxa identification

Special practices: 16 h

Field practice to see wildlife

Personal study. 87 h

Assessment tests. 3 h

Total: 150 h

5. Assessment system

Global evaluation composed of:

A practical test of visu identification of specimens of different taxonomic groups of the Animal Kingdom. This test will be carried out in the classroom through the projection of images to be identified by the students. 50% of the grade.

A written test to test the theoretical knowledge of the students consisting of multiple choice questions of which only one answer is correct. 50% of the grade.

Both tests must be passed with at least 5 out of 10.

The success rate of the subject in the last three years is:

2019/2020 = 95,12%; 2020/2021 = 52,63%; 2021/2022 = 63,41%.