

28437 - Wildlife

Syllabus Information

Academic year: 2023/24

Subject: 28437 - Wildlife

Faculty / School: 105 - Facultad de Veterinaria

Degree: 451 - Degree in Veterinary Science

ECTS: 3.0

Year:

Semester: Second semester

Subject type: Optional

Module:

1. General information

This subject aims to address the study of the basic principles governing the management, medicine, conservation and management of wildlife. This study will be carried out mostly on the so-called Iberian native and feral wildlife, although it can also be extended, in specific cases, to wildlife from other parts of the planet.

The objective is for students to understand and assume the role of the veterinarian in exclusive actions of their profession with wildlife.

These approaches and objectives are aligned with Sustainable Development Goals (SDGs) 3 and 15 of the United Nations 2030 Agenda (<https://www.un.org/sustainabledevelopment/es/>).

2. Learning results

1. Know and interpret the legal framework on wildlife conservation, regional, state, European and international.
2. Know wildlife conservation strategies and the performance of a veterinarian in different scenarios, such as, for example, the conservation of endangered species, crimes related to wildlife protection, conservation methods, etc.
3. Learn about the role of the veterinarian in a wildlife recovery centre: first aid, care, surgery, maintenance in captivity, recovery and release. Know about the material, infrastructure and environments needed in rehabilitation centres.
4. Know the role of the veterinarian in the usual management and application of legislation, at the regional level, of hunting grounds. Know how to establish active and passive surveillance programs.
5. Learn about the role of a veterinarian in aquariums.
6. Is able to assess, diagnose and treat the most frequent pathologies in wildlife: trauma, collisions, electrocutions, infectious and parasitic diseases.
7. Is familiar with wound and trauma management, with methodologies adapted for better individual and population care, with the interpretation of different diagnostic methods. Is able to make appropriate decisions: sampling, treatment or euthanasia, among others.
8. Know the genetic balance and be able to analyse the genetic mechanisms that deteriorate the genetic structure of populations. Know about the effect of inbreeding, inbreeding depression and mutation on the deterioration of population biological efficiency.

3. Syllabus

Theory

Block 1. Management 4 h

Block 2. Genetics 4 h

Block 3. Recovery centres. Medicine and Surgery 4 h

Block 4. Diseases 4 h

Practice

Case studies, 2.5 h

VORTEX Seminar 1 h

Management seminar 1 h

Necropsies 2 h

Seminar on topics of interest 1 h

Educational visits 6.5 h

4. Academic activities

Master classes. 16 h
Theoretical-practical sessions in which the contents of the subject will be explained.
Case studies: 2,5 h
Review work on a topic proposed by the teacher
Computerized practices: 1 h
VORTEX software application
Classroom case studies: 2 h
Management
Current topics, to be defined for each academic year.
Laboratory practices: 2 h
Necropsies
Special practices: 6,5 h
Visits will be made to centres involved with wildlife and easily accessible from university facilities.
Personal work: 40 h
Assessment tests. 2 h

5. Assessment system

The student must demonstrate achievement of the intended learning results through the following assessment activities.

Written test

It will be a multiple-choice exam (4 options, one true, no negative points) of 45 questions: 30 of theoretical knowledge and 15 of practical knowledge. The exam will be considered passed with the minimum grade (5) if 60% of its total value is exceeded, that is, if 27 questions are answered correctly. The value of this test will represent 95% of the final grade.

Practice

The practical "Review of a topic" will be assessed by attendance and presentation of a paper. The practice will be graded by the teacher in charge and its numerical evaluation will range from 0 to 10. The value of this practice will represent 5% of the final grade.

Failure to attend any of the practices will result in the completion of an additional practical exam or written work.

Grading system

The grading system will be expressed by means of a numerical grade in accordance with the provisions of article 5 of Royal Decree 1125/2003 of September 5 (BOE September 18), which establishes the European credit system and the grading system for official university degrees valid throughout the national territory.

0-4,9: Fail (SS).

5,0-6,9: Pass (AP).

7,0-8,9: Notable (NT).

9,0-10: Outstanding (SB).