

## 28437 - Wildlife

### Syllabus Information

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**Academic year:** 2024/25

**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

A **global assessment** of the subject will be carried out through the following activities:

**Test 1.** Written exam. 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.

**Test 2.** Evaluation of the practical "Review of a topic". This practical will be assessed by attendance and oral presentation of a paper. The practice will be graded by the teacher in charge and its numerical evaluation will range from 0 to 10.

**Test 3.** Evaluation of laboratory practice and special practices. Attendance, use and acquisition of skills and abilities in the execution of the practices will be valued. This will be done through direct observation of the student's work by the teacher, granting a numerical rating between 0 and 10. In case it is not demonstrated in this way, an additional theoretical-practical test will be carried out in the official calls. The grade will be from 0 to 10, and it will be necessary to obtain a 5 to pass it.

The sum of the grades of these three evaluation activities will determine the final grade for the subject

Final grade = 90% Test 1 + 5% Test 2 + 5% Test 3

### 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).