

## 28431 - Small Animal integrated Course

### Syllabus Information

**Academic year:** 2023/24

**Subject:** 28431 - Small Animal integrated Course

**Faculty / School:** 105 - Facultad de Veterinaria

**Degree:** 451 - Degree in Veterinary Science

**ECTS:** 14.0

**Year:** 4

**Semester:** Annual

**Subject type:** Compulsory

**Module:**

### 1. General information

The general objective of this subject is to learn about the main diseases and processes that affect pets (dogs and cats), knowing how to apply an adequate diagnostic protocol and how to select an appropriate preventive and therapeutic protocol. The contents are essential for students to acquire the knowledge and skills necessary for the development of clinical professional activity in the field of these species.

These approaches and objectives are aligned with the following Sustainable Development Goals (SDGs) of the United Nations 2030 Agenda (<https://www.un.org/sustainabledevelopment/es/>), such that the acquisition of the learning results of the subject provides training and competence to contribute to some extent to the achievement of Goals 3, 4, 8, 8, 12, 15 and 16.

### 2. Learning results

The student, in order to pass this subject, must demonstrate the following results...

Know how to take a complete, orderly and systematic clinical history of sick dogs and cats.

Know how to extract clinical signs after a systematic examination of a canine or feline patient.

Know how to analyse the essential aspects of the history and examination to identify/define the clinical problem.

Know how to establish a list of differential diagnoses for each of the most frequent syndromes in each organic system of the canine or feline species.

Know how to establish the diagnosis and prognosis of the most frequent syndromes in each system of the canine or feline species.

Know the most important and frequent pathological processes in dogs and cats.

Know how to adequately use and interpret the routine diagnostic techniques to differentiate and identify the most frequent pathological processes in dogs and cats.

Know how to apply the therapeutic protocols indicated in each process and know both the beneficial effects and the possible adverse reactions of the substances administered.

Know and applies the surgical techniques and anesthesia protocols most frequently used in dogs and cats, correctly assessing the risk situations in each patient.

Properly manage the different aspects of the reproductive cycle of dogs and cats for their correct management, as well as knows how to identify and treat the pathological situations that occur in the neonate of the canine or feline species.

Know and apply preventive programs for the most frequent diseases of dogs and cats.

Know how to identify and evaluate the critical level of the most frequent emergency situations in dogs and cats and know how to stabilize the patient.

Know how to apply routine pathological diagnostic techniques in dogs and cats, before or after death, submit reports and send samples for complementary studies.

Know how to adequately write clinical or pathological reports and how to communicate professional actions.

Know how to handle fluently the sources of information frequently used in the study of pathologies affecting dogs and cats.

### 3. Syllabus

THEORY (120 hours)

Block 1. Dermatology: 12 hours.

Block 2. Ophthalmology: 5 hours.

Block 3. Gastroenterology: 14 hours.

Block 4. Nephrourology: 9 hours.

Block 5. Endocrinology: 5 hours.  
Block 6. Reproductive pathology: 12 hours.  
Block 7. Cardiology and respiratory pathology: 11 hours  
Block 8. Neurology: 5 hours.  
Block 9. Behavioural medicine: 3 hours.  
Block 10. Traumatology: 7 hours.  
Block 11. Hematology and Oncology: 9 hours.  
Block 12. Infectious processes: 11 hours  
Block 13. Parasitic processes: 9 hours.  
Block 14. Emergencies: 8 hours.

PRACTICES AND SEMINARS (55 hours)

Clinical practices (Veterinary Hospital)  
Internal medicine consultations: 20 hours.  
Surgical Pathology and Traumatology: 12 hours.  
Reproductive pathology consultations: 8 hours.

Practices and case discussion seminars (seminar rooms and laboratories)  
Pathological anatomy and necropsies: 5 hours.  
Infectious diseases and preventive programs: 5 hours.  
Parasitic diseases and preventive programs: 5 hours.

## 4. Academic activities

### THEORY

Theoretical classes are of the participative lecture type.

### PRACTICES AND SEMINARS:

#### Clinical consultation practices

They consist of practical sessions with real clinical cases (patients of the Veterinary Hospital) in which the students participate in the running of the practice under the supervision of the teaching staff.

#### Practices and case discussion seminars

These are sessions of clinical cases and practical cases on the most frequent infectious and parasitic pathologies in the small animal veterinary clinic; and on the histopathological characteristics applied to diagnosis. The teacher presents the clinical problems and the students discuss and actively work on them.

## 5. Assessment system

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

### Evaluation of the content of the theoretical program

It will consist of two written tests. The first of these will be held at the end of the first four-month period and the second at the end of the second four-month period. In the extraordinary examination period, students may take both tests as well as the test corresponding to the topics taught in only one of the two four-month periods. These theoretical written tests will account for 70% of the grade for the subject. Each of these tests will include two types of questions:

- Short answer questions.
- Multiple choice questions with one correct option and no negative points.

### Evaluation of practices and seminars

It will represent 30% of the grade of the subject and will consist of:

- Written test with multiple-choice questions (one correct option and no negative points) on the type of clinical cases seen in clinical consultations.
- Attendance to at least 90% of the practical sessions and seminars must be proven by submitting the attendance sheet signed daily by the corresponding teacher.
- Delivery of the list of cases seen in the consultations.

50% of the grade will correspond to the written test and the other 50% to the attendance and the delivery of the list of cases.

In order to pass the subject a minimum of 50% of the grade must be obtained in the theoretical part and a minimum of 50% of the grade in the practical part.

The grade for the practical part of the subject will be kept, if requested by the student, for future calls.

### Overall test

Those students who do not take part in the face-to-face program and do not participate in all the proposed activities will have to take a global evaluation test. This will consist of a written test corresponding to the theoretical program, consisting of 120 questions (equivalent to 70% of the grade), and a practical test (equivalent to 30% of the grade).

### Assessment criteria and levels of demand

As a consequence of the entry into force of Royal Decree 1125/2003, of September 5, 2003, which establishes the European credit system and the grading system for university degrees, students' grades will be twofold: numerical and qualitative.

0-4,9: Fail (SS).  
5,0-6,9: Pass (AP).  
7,0-8,9: Notable (NT).  
9,0-10: Outstanding (SB).

In application of article 158 of the Statutes of the University of Zaragoza, the provisional grades of the exams will be publicly exhibited for a minimum of 7 days, and the students will be able to review their exams, for which the place, date and schedule foreseen for this purpose will be indicated at the time.