

28441 - Clinical Practice: Small, Exotic and Equine Animals

Teaching Plan Information

Academic year: 2025/26

Subject: 28441 - Clinical Practice: Small, Exotic and Equine Animals

Faculty / School: 105 - Facultad de Veterinaria

Degree: 451 - Degree in Veterinary Science

ECTS: 8.0

Year: 5

Semester: Annual

Subject type: Compulsory

Module:

1. General information

The subject is designed to enable the student to apply, in a real professional context, the knowledge and skills acquired in previous years regarding the clinical practice of the species whose individual pathologies are treated by the veterinarian: equids, canids, felids and exotics. It is developed in the context of the last year of the Degree, an ideal moment to develop, under appropriate supervision, a first clinical experience.

Students have all the information available in the following links, as well as in the ADD (Anillo Digital Docente) of each of the subjects:

<https://veterinaria.unizar.es/estudiantes/formacion-prevencion-riesgos-y-seguridad#normas>

<http://patologiaanimal.unizar.es/medidas-de-seguridad>

2. Learning results

In order to pass this subject, the students shall demonstrate they has acquired the following results:

1. To know how to take the history and clinical examination of patients of canine, feline, equine and main groups of exotic species.
2. To know how to perform differential diagnoses including the most common diseases of dogs, cats, horses and main exotic species, choosing the necessary complementary diagnostic techniques.
3. To know how to collect and submit the most common samples, with their corresponding report. 4. To know how to interpret the results of basic analytical techniques.
5. To know how to perform and interpret the diagnostic imaging tests used in the most frequent pathologies in these species.
6. To know how to perform and interpret necropsy results of these species.
7. To know how to attend emergencies and perform first aid on dogs, cats and horses.
8. To know how to indicate the most common medical and surgical treatments for these species, as well as the necessary hospital care.
9. To know how to anesthetize and provide analgesia to canine, feline and equine patients.
10. To know how to perform the most common surgical techniques (surgical sterilization in dogs/cats) and to how to manage and assist, in the surgical environment.
11. To know how to identify a horse as well as the main pathologies of the horse's locomotor system.
12. To know the most common surgical techniques on the extremities of the horse as well as to perform the main head blocks and know the main surgical pathologies of the head.
13. To know how to search for and manage clinical information and know how to transmit it to other professionals.

And also the list of subjects and Day One Competences (as approved by ECCVT on 17 January 2019):

https://www.eaeve.org/fileadmin/downloads/eccvt/List_of_subjects_and_Day_One_Competences_approved_on_17_January_2019.pdf

3. Syllabus

3.1. Block 1. Internal Medicine and Specialties (Small Animals and Exotics)

- Practical sessions in general and specialty dog and cat practices.
- Operating room practices:

3.2. Block 2. Surgical area (Small animals)

3.3. Block 3. Emergency, intensive care and surgery.

- Tutored work:
- Voluntary emergency activities (please check with the coordinators)

3.4. Block 4. Necropsies

Clinical seminars in which the most frequent lesions in the necropsy room in dogs, cats and equines will be presented.

3.5. Block 5. Equids

- Clinical practices (Veterinary Hospital)
- Outpatient clinical practice with equine patients seen on an outpatient basis.
- Seminars on equine identification and the main pathologies of the locomotor system pathologies of the locomotor system
- Guided visits to the Zaragoza Horse Breeding Centre.

4. Academic activities

The learning process designed for this subject is based on:

- Clinical practice in the small animal area of the HVUZ (Veterinary Hospital of the UZ) with canine and feline patients, in general and specialty consultations and in the surgical area.
- Practices with exotic animals.
- Practical workshops with cadavers and hospital and ambulatory clinical practices with equine patients.
- External seminars
- Voluntary assistance on call at the HVUZ, taking care of canine, feline and equine patients who come to the emergency department or are hospitalized.

The program offers the students help to achieve the expected results and comprises the activities mentioned above.

5. Assessment system

The assessment will be carried out by blocks, with the following percentages in the calculation of the final grade:

Block 1 (40%) will be assessed through:

○ **Evaluation of the use of practical sessions (10%)**

The teacher may ask the student questions to verify that they have reviewed the basic knowledge necessary to benefit from the practice and will assess their attitude during consultations using a rubric (5%).

The student must keep a notebook to record cases and will choose five of them from all specialties to prepare a report (5%) on them. This task must be uploaded to Moodle, and correct and timely submission is a necessary requirement to be able to take the written exam.

Learning outcomes assessed: 1, 2, 3, 4, 5, 6, 8, and 13.

○ **Written exam (30%)** based on three clinical cases (on Internal Medicine or Specialties).

Learning outcomes assessed: 1, 2, 3, 4, 5, 6, and 8.

Block 2 (25%) will be assessed through:

○ **Initial assessment at the beginning of the practical sessions (10%)**

On the first day of practicals for this block, all students called will be assessed on theoretical and practical knowledge of basic aspects of surgery and anesthesia. These contents will be previously available on the digital teaching platform. During the course presentation, students will be informed that they must review these contents before the practical sessions as part of their personal work and that they will also be assessed on them. For this purpose, the teacher will carry out a theoretical-practical assessment to evaluate the basic knowledge and skills necessary to benefit from the practice.

○ **Assessment at the end of the practical sessions (15%)**

Students will be assessed during the last practical session. Each student will be evaluated using a rubric to verify that they have acquired learning outcomes 9, 10, and 13.

Block 3 (5%) will be assessed through:

- **Assessment at the end of the practical sessions (0.5%).** The teacher will assess the students during the last practical session to evaluate their use of the sessions.
- **Written exam based on clinical cases (4.5%)**
This will be assessed through a written exam, which will account for 4.5% of the final grade and will take place together with the written exam for block 1.
The exam will consist of questions about clinical cases related to emergency protocols, Intensive Care Unit (ICU), and hospitalization covered in the practical sessions, and which the student may have practiced voluntarily during on-call shifts.
Learning outcomes assessed: 7 and 11.

Block 4 (5%) will be assessed through:Written exam

- Block 4 will be assessed through a written exam, accounting for 5% of the final grade. The exam will consist of necropsy cases.

Learning outcomes assessed: 6

Block 5 (25%) will be assessed through:

- **Theoretical-practical exam**

It will consist of questions about the seminars on identification and basic radiology, as well as practical sessions with biomodels (transrectal palpation on cadavers, nerve blocks, main interventions on the head, and surgical techniques on limbs). Learning outcomes assessed: 10, 11, and 12.

To participate in the transrectal palpation practicals on cadavers (Palpation) and in the surgical techniques practicals on limbs (T-Biom I), the student must first pass an individual questionnaire on the contents taught in the prior rectal palpation seminar, which are part of the mandatory in-person contents of the course. Passing this questionnaire within the established deadline and before the corresponding practical session is mandatory. If the student does not take or pass the questionnaire, they may attend the practice, but questions related to these sessions will not be graded in the final exam. Instead, assessment will be through a specific oral and/or practical test on the contents of those practicals. To pass the questionnaire, the student must obtain at least 50% correct answers on the corresponding questions.

For blocks 1, 2, 3, and 5, the student must submit to the Coordinator their attendance sheet, completed by the teachers, as proof of attendance at the practical sessions.

Assessment criteria and levels of demand

A minimum of 40% of the grade in each block must be obtained to be averaged with the rest. That is, a minimum of:

16 points out of 40 from the assessment of block 1

10 points out of 25 from the assessment of block 2

2 points out of 5 from the assessment of block 3

2 points out of 5 from the assessment of block 4

10 points out of 25 from the assessment of block 5

If the minimum is not reached in any of the blocks or if the average does not reach 50% of the final grade, the student will retain the grade of the passed blocks for the entire academic year and will only need to be assessed on the failed activities.

Attendance at 90% of the practical sessions is required. Otherwise, the student must take the global test, which will constitute 100% of their final grade. This will be a global theoretical and practical assessment in which they must solve clinical cases from the different species and specialties covered in the course.

Grading system: the usual one at the University of Zaragoza.

6. Sustainable Development Goals

3 - Good Health and Well-being

4 - Quality Education

8 - Decent Work and Economic Growth