

28441 - Clinical Practice: Small, Exotic and Equine Animals

Syllabus Information

Academic year: 2024/25

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.

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

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 have 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.

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 evaluation will be done by blocks, with the following % in the calculation of the final grade:

Block 1 (40%) will be assessed through

- Assessment on the use of the practices (10%)

The teacher may ask the student questions to check that they have reviewed the basic knowledge to make the most of the practice and will evaluate the attitude in consultation by means of a rubric (5%).

The student must keep a notebook for recording cases and choose five of them from among all the specialties to prepare a report (5%). This assignment will be registered in Moodle, and its correct submission in a timely manner will constitute a necessary requirement to be able to take the written exam.

Assessed learning results 1, 2, 3, 4, 5, 6, 8 and 13

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

Assessed learning results 1, 2, 3, 4, 5, 6 and 8.

Block 2 (25%) will be assessed through

- Initial evaluation at the beginning of the practices (10 %)

On the first day of practice of this block, all students will be evaluated on theoretical and practical knowledge of basic aspects of surgery and anesthesia. These can be found in the Teaching Digital Ring (ADD) (<http://moodle.unizar.es>). During the presentation of the subject, students will be advised to review this content prior to the practical sessions as part of their personal work and will be made aware of the fact that they will be evaluated on it. With this objective, the teacher will carry out a theoretical-practical evaluation that will allow them to assess the basic knowledge and skills necessary to take advantage of the

practice.

- Evaluation at the end of the practical sessions (15 %)

Students will be evaluated during the development of the last practice. Each student will be assessed using a rubric to verify that they have acquired learning results 9, 10 and 13.

Block 3 (5%) will be assessed through:

- Report of practices (0.5%)

The student will make an individual report of the cases dealt with during the week of the practices, which will be presented at the end of the practices and evaluated by the teacher.

- Written test based on clinical cases (4.5%)

It will be evaluated by means of written exam, which will account for 4.5% of the final grade and will take place together with the written exam of block 1.

The exam will consist of questions on clinical cases related to emergency, Intensive Care Unit (ICU) and hospitalization protocols explained in the practices that the student will have been able to practice voluntarily during on-call shifts.

Assessed learning results 7 and 11.

Block 4 (5%) will be assessed through:

- Written exam

Block 4 will be evaluated by means of a written exam, which will account for 5% of the final grade. The exam will consist of necropsy cases. Learning results assessed: 6

Block 5 (25%) will be assessed through:

- Theoretical-practical exam

It will consist of questions on the identification and basic radiology seminars given, as well as practice with biomodels (transrectal palpation on cadavers, nerve blocks and main interventions on the head and surgical techniques on extremities). Assessed learning results 10, 11, and 12.

For blocks 1, 2, 3 and 5, the student must submit to the Coordinator the signature sheet completed by the teachers as proof that they has attended the practices.

Assessment criteria and levels of demand

It will be necessary to obtain a minimum of 40% of the grade of each of the blocks in order for them to average with the rest. That is, a minimum of:

16 points out of the 40 points of the evaluation of block 1

10 points out of the 25 points of the evaluation of block 2

2 points out of the 5 points of the evaluation of block 3

2 points out of the 5 points of the evaluation of block 4

10 points out of the 25 points of the evaluation of block 5

In case of not reaching the minimum grade in any of the blocks or if the average does not reach 50% of the final grade, the student will keep the grade of the blocks passed during the whole academic year, having to take an exam only for those activities they has not passed.

Attendance to 90% of the practices is compulsory. Otherwise, the student must take the global test,

which will account for 100% of the final grade. It will be a global theoretical and practical evaluation test in which they will have to solve clinical cases of the different species and specialties object of the subject.

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

6. Sustainable Development Goals

3 - Good Health & Well-Being

4 - Quality Education
8 - Decent Work and Economic Growth