

Información del Plan Docente

Academic Year 2018/19

Subject 28426 - General Pathology and Propaedeutics II

Faculty / School 105 - Facultad de Veterinaria

Degree 451 - Degree in Veterinary Science

ECTS 6.0

Year 3

Semester Second semester

Subject Type Compulsory

Module ---

- 1.General information
- 1.1.Aims of the course
- 1.2.Context and importance of this course in the degree
- 1.3. Recommendations to take this course
- 2.Learning goals
- 2.1.Competences
- 2.2.Learning goals
- 2.3.Importance of learning goals
- 3.Assessment (1st and 2nd call)
- 3.1. Assessment tasks (description of tasks, marking system and assessment criteria)
- 4. Methodology, learning tasks, syllabus and resources
- 4.1. Methodological overview

The learning process that has been designed for this course is based on the following:

Lectures, practical lessons, works, case presentations...



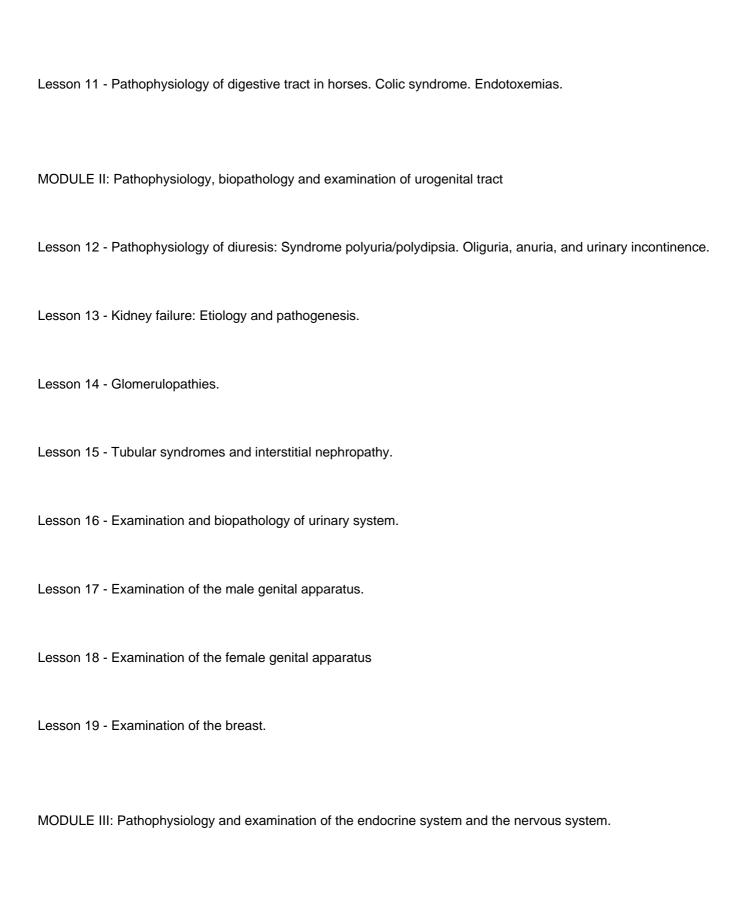
1: LECTURES PROGRAM

-Lectures: 30 master type lectures of 50 minutes duration each will be given. They will be taught in the classroom that the Center determines, with students divided into two groups.
-Practical lessons: a total of 22 hours of practical lessons will be given in the classroom demonstrations of the building of the Clinical Veterinary Hospital, in the teaching ship of the Experimentation Animal Service and in the General Pathology teaching laboratory. Practices will be distributed in 11 sessions of 1'5-3 hours, in groups of 6-8 students.
-Clinical cases sessions are taught in the General Pathology teaching laboratory, in the library of the General Pathology Unit or in a classroom and include a total of 8 hours spread over several sessions.
4.2.Learning tasks
-Lectures: 30 hours of lectures will be given, including a first class of introduction and presentation of the subject. Throughout the course, the teacher offers students scripts, materials and/or bibliography appropriate in each case. It is interesting that in the development of these classes students have present the knowledge acquired in other subjects of the degree, which allowed a better understanding of the matter and will facilitate the assimilation of new content explained in each subject, allowing at the same time that the student developed its capacity for concepts analysis, synthesis and relationship.
-Practical lessons: prior to each of the practical sessions, the students will have scripts and materials needed for them, as well as the explanation of what it is to be performed in each one. This information must be consulted and analyzed by the student, so that when they arrive at the corresponding practice they make the most of the available time to perform practical activity. The session will begin with an explanation of the work to be carried out and subsequently the students run practice with available animals or in the laboratory, always under the supervision of the teacher.
- Clinical case sessions: they are sessions in which students must be the main protagonists and intervene actively. Prior to each session, will be available to students all material that is going to work, so that they can analyze and respond to the questions raised in each case. Seminar session will be a sharing and discussion session guided by the teacher, in which the proposals raised by the group will be assessed, and questions can be solved.
4.3.Syllabus

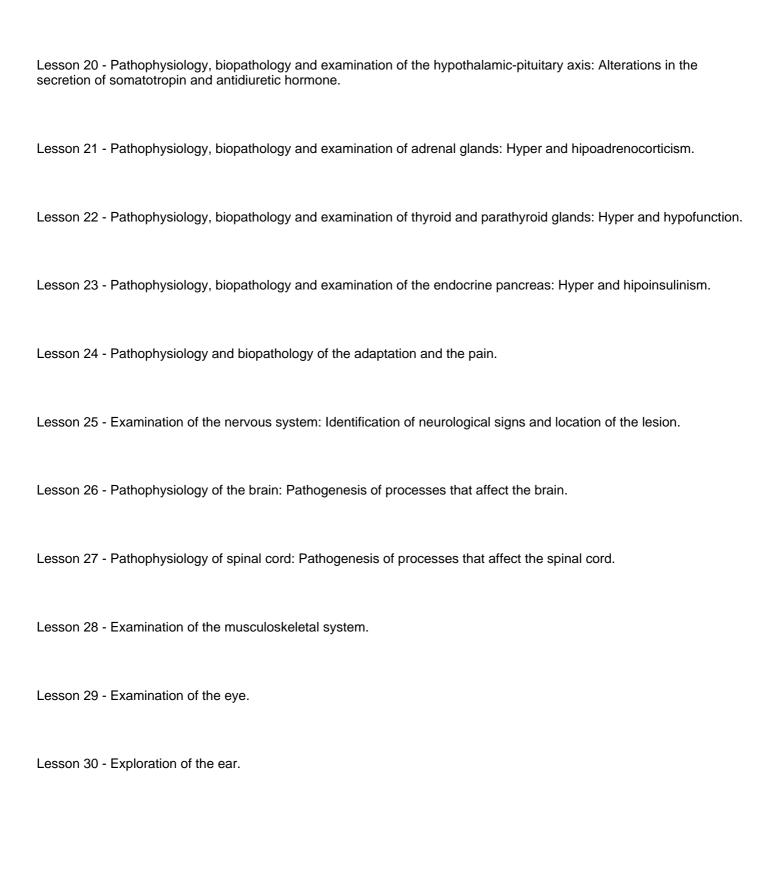


This program consists of 30 participatory master classes, distributed in 30 sessions of 1 hour.
MODULE I: Pathophysiology and biopathology of the digestive tract.
Lesson 1 - Pathophysiology and examination of the mouth, pharynx and salivary glands.
Lesson 2 - Pathophysiology of the esophagus and the stomach: dysphagias and regurgitation.
Lesson 3 - Vomiting syndrome (I).
Lesson 4 - Vomiting syndrome (II).
Lesson 5 - Pathophysiology of the bowel: Bowel ileus. Constipation. Diarrhea syndrome. Malabsorption syndrome.
Lesson 6 - Pathophysiology, biopathology and examination of the liver and biliary tract: Alterations of the bile, vascular, metabolic and detoxifier functions. Serum enzymes and functional tests.
Lesson 7 - Pathophysiology, biopathology and examination of the exocrine pancreas: Acute Pancreatitis. Exocrine pancreatic insufficiency.
Lesson 8 - Pathophysiology, biopathology and examination of the stomach of ruminants. Indigestions (I).
Lesson 9 - Pathophysiology, biopathology and examination of the stomach of ruminants. Indigestions (II).
Lesson 10 - Pathophysiology, biopathology and examination of the stomach of ruminants. Indigestions (III)











2: PROGRAM OF PRACTICAL LESSONS

This program consists of 30 hours of practical activities, distributed in 11 sessions of 1'5-3 hours working with animals or in the laboratory, and 4 sessions of 2 hours of clinical cases.
1. Examination of the abdomen in the dog (1'5 h).
2. Examination of the abdomen and nervous system in the horse (1'5 h).
3. Examination of the digestive system of ruminants and analysis of rumen fluid (3 h).
4. Examination of the genitourinary system and breast in ruminants and biological sampling (2 h).
5. Sampling and basic analysis of urine (2 h).
6. Examination of the nervous and muscle-skeletal systems in the dog (2 h).
7. Examination of the senses in the dog (2 h).
8. Assessment of farms and communities (2 h).
9. Applied examination in the horse (2 h).
10. Applied examination in the dog (2 h).



11 Applied examination in ruminants (2 h).
A Clinical cases: Digestive biopathology (2 h).
B Clinical cases: Renal biopathology (2 h).
C Clinical cases: Endocrine biopathology (2 h).
D Clinical cases: Biopathology in large animals (2 h).
The detailed program of theoretical and practical activities is supplemented by:
-Personal work for the consolidation of knowledge and preparation of the written and practical exams and the resolution of clinical cases.
-Tutorials
-Examinations
4.4.Course planning and calendar Calendar of sessions and delibery of tasks
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Dates and key milestones of the subject are described in detail, together with those of the rest of the subjects of the third course in the degree of veterinary medicine, on the website of the Faculty of Veterinary Medicine (link: http://veterinaria.unizar.es/gradoveterinaria/). This link will be updated at the beginning of each academic year.

4.5.Bibliography and recommended resources