

FARM ANIMAL CLINICS I

Study programme: MIMV Curricular Year 5th Semester 9th Compulsory ECTS: 3.5

Lecturers: George Stilwell (CCP), Ricardo Bexiga, Gonçalo Pereira, Gonçalo Ortega

1. Contact hours: Lectures – 13h, Lecture/Practical – 13h, Fieldwork – 18h

2. Objectives:

Develop the ability to integrate and aggregate the knowledge acquired in the previous disciplines, in order to prepare the student for the execution of a complete and systematic clinical examination, enunciation of differential diagnoses, application of therapy and establishment of preventive measures. To train students in the resolution of clinical cases in the area of livestock production, according to three fundamental components: 1 – Clinical training and institution of appropriate therapy. 2 – Identification of group problems. 3 – Execution of mechanical tasks in the clinic area.

3. Programme:

The syllabus was established according to the objectives of the course and "first day" competences that must be acquired by students to competently assist various species of food-producing animals. Teaching will be carried out according to the concept and always prioritizing evidence-based veterinary medicine. The topics to be covered in the theoretical lectures are the clinical approach and perspectives of:

diseases related to calving; newborn care and resuscitation; dairy cow diseases related to nutrition-feeding; postpartum metabolic diseases in dairy cows; acute abdomen in cattle; the main infectious diseases of the dairy cow; cattle lameness; mammary gland infections and other diseases of the udder and teats; infectious diseases in the rearing of dairy cattle; facilities and animal comfort for dairy cows; fluid therapy in young and adult cattle; management and feeding of the calf, including colostrum management.

Practical teaching will be done through the active participation (hands-on) of students in the activities of the ambulatory clinic in dairy cows, beef cattle (suckler and fattening), small ruminants and pig farms. The theoretical-practical element of the course consists of the preparation of clinical reports of the cases assisted in the ambulatory clinic as well as a review and in-class presentation of the most significant cases.

4. Bibliography:

Class handouts, lecture notes, scientific papers provided through Moodle.

Veterinary Medicine: A textbook of the Diseases of Cattle, Horses, Sheep, Pigs and Goats.

2016. Constable, P.D. et al. (Eds). 11th Edition. Saunders Elsevier.

5. Assessment:

Written exam (80%) on all subjects taught with short-answer questions. Evaluation of the practical component (20%) which includes: continuous evaluation during ambulatory work; evaluation of the clinical case reports; classification of the clinical case presentation.