

Food Animal Clinics II

Study Programme: MIMV Curricular Year: 5th Semester: 10th Compulsory Credits: 3 ECTS

Docente(s): Miguel Saraiva Lima (CCP and R), George Stilwell, Ricardo Bexiga

1. Contact hours:

Lectures - 13 hours, **Field work** - 34 hours, **Total** - 47 hours

2. Objectives:

The objective of this course is to allow the students to contact and participate in the resolution of clinical cases in the area of large animals. We hope that the students by the end of this training program will have a good idea of what will be the activity of a large animal practitioner. Basically, the teaching is based on 3 different aspects:

- 1 – Clinical exam (physiopathology mechanisms of disease, interpretation of the results of clinical, laboratory and other clinical exams) and therapeutic actions.
- 2 – Resolution of heard health problems (mastitis, metabolic diseases, etc.).
- 3 – Execution of some mechanical activities, like resolution of dystocias, surgery work, dehorning calves, trimming hooves, etc.

3. Programme:

3.1 Theoretical

Small ruminant medicine under extensive and intensive systems
Beef cattle medicine under extensive and intensive systems.
Swine Medicine
Poisonous Plants
Necropsies and serology
Diagnostic Blood biochemistry and Hemograms in Food animals

3.2 Practical

The practical activities take place in farms with a small group of students (6/7). Students have the opportunity to follow clinical cases.

4. Bibliography:

- Clarkson, M.J. & Winter, A.C. (1997). *A Handbook for the Sheep Clinician*. 5ª edição, Liverpool University Press.
- Cowart R.P. (1995). *An Outline of Swine Diseases*. Iowa State University Press.
- Divers, T. J. & Peek, S. F. (ed.) (2008). *Rebhun's Diseases of Dairy Cattle*. Saunders Elsevier.
- Howard & Smith (1999). *Current Veterinary Therapy 4, Food Animal Practice*. W.B. Saunders.
- Martin, W.B. & Aitken, I.D. (2000). *Diseases of Sheep*. 3ª edição, Blackwell Science.
- Pugh, D.G. (2012). *Sheep and Goat Medicine*. 2ª edição W.B. Saunders.
- Radostits, O.M., Gay, C.C., Hinchcliff, K.W. & Constable, P.D. (2007). *Veterinary Medicine*. Saunders.
- Smith, B.P. (1995). *Large Animal Internal Medicine*, 2ª edição, Mosby Company.
- Smith, M.C. & Sherman, D.M. (2009). *Goat Medicine*. Lea & Febiger.
- Stilwell, G.T. (2013). *Clinica de Bovinos*. Publicações Ciência e Vida.

4. Assessment:

- Written exam based on multiple choice and short questions.
- Oral presentation of clinical cases