

## Food Animal Clinics I

**Study Programme: MIMV Curricular Year: 5<sup>th</sup> Semester: 9<sup>th</sup> Compulsory Credits: 3.5 ECTS**

**Lecturer(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 (physiopathologic 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

Dairy cattle diseases related with calving  
Dairy cattle diseases related with nutrition  
Production diseases of dairy cattle  
Acute abdomen in dairy cattle  
Infectious diseases in dairy cattle  
Lameness in dairy cattle  
Mastitis in dairy cattle  
Infectious diseases in dairy heifers  
Facilites and welfare in dairy cattle  
Fluidtherapy in calves and adult cattle.  
Colostrum and milk replacers in dairy calves.  
Other diseases in dairy cattle

#### 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:

- 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*. 3<sup>a</sup> edição, Blackwell Science.  
Pugh, D.G. (2012). *Sheep and Goat Medicine*. 2<sup>a</sup> 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*, 2<sup>a</sup> 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 a clinical case.