

## MEDICINE II

**Study Programm: MIMV    Curricular Year 4<sup>th</sup>    Semester 8<sup>th</sup>    Compulsory    Credits: 4.5 ECTS**

**Lecturer(s):** José H. Duarte Correia (CCP e Reg), Maria Constança Ferreira Pombo, Ana Mafalda Lourenço Martins, George T. Stilwell, Paula A.B.G.A.P. Tilley; Lisa A.P. Mestrinho

### 1. Contact hours:

**Lectures 26    Praticals 48    Total 74**

### 2. Objectives:

Approach to clinical cases in the areas of gastroenterology, endocrinology and respiratory medicine in a systematic and global way, in the different animal species (horses, ruminants, swine, dogs and cats). Understand the evolution of the pathological processes, including aetiology, pathogenesis, lesions and clinical signs; correctly interpret environmental data, anamnesis, clinical and laboratory analysis, aiming at diagnosis, prognosis and therapeutic decision. Apply the technique of problem-based learning to the study of real clinical cases involving gastroenterology, endocrinology and respiratory medicine.

### 3. Programme:

Theoretical: Disorders of the digestive system: oral cavity and esophagus, gastritis, ruminant digestive pathology, acute and chronic enteritis, acute and chronic colitis; hepatopathies, portosystemic shunts and arterio-venous fistulae, acute and chronic pancreatitis. Endocrinological disorders (Diabetes mellitus, Diabetes insipida, hipo and hyperthyroidism, hipo and hyperadrenocorticism). Disorders of the respiratory system (respiratory infection, chronic obstructive respiratory disease - heaves, feline asthma).

Practicals: Solution of clinical case-problems of gastroenterology, endocrinology and respiratory medicine, using problem-based learning (PBL).

### 4. Bibliography:

- August, J. R. (2006). *Consultations in Feline Internal Medicine*, 5<sup>a</sup> edição, Elsevier Saunders.
- Birchard, J. J. e Sherding, R. G. (2000). *Saunders Manual of Small Animal Practice*, 2<sup>a</sup> edição, W.B. Saunders Company.
- Boothe, D. M. (2001). *Small Animal Clinical Pharmacology and Therapeutics*, 1<sup>a</sup> edição, W.B. Saunders Company.
- Chandler, E. A., Gaskell, C. J., Gaskell, R. M. (2004). *Feline Medicine and Therapeutics*, 3<sup>a</sup> edição, Blackwell scientific Publications.
- Ettinger, S. J. e Feldman, E. C. (2011). *Textbook of Veterinary Internal Medicine: Diseases of the Dog and Cat*, 6<sup>a</sup> edition, W.B. Saunders Company.
- Gough, A. (2007). *Differential Diagnosis in Small Animal Medicine*, Blackwell Publishing.
- King, G. L. (2004). *Textbook of Respiratory Disease in dogs and cats*, Elsevier Saunders.
- Nelson, R. W. e Couto, C. G. (2003). *Small Animal Internal Medicine*, 3<sup>a</sup> edição, Mosby. Inc.
- Reed, S. M. (2004) *Equine Internal Medicine*, 2<sup>a</sup> edição, W B Saunders Co.
- Smith, B. P. (2008). *Large Animal Internal Medicine*, Mosby. Inc., 4<sup>a</sup> edição.

### 5. Assessment:

It is done by means of a final examination with a theoretical part, worth 70% of the final marking and a practical part, consisting of two clinical cases to be solved by the problem-based approach, worth 30% of the final mark (scale 0 to 20).