

MEDICINE II

Study Program: MIMV **Curricular Year** 4th **Semester** 8th **Compulsory** **Credits:** 4.5 ECTS

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

1. Contact hours:

Lectures 26 **Practicals** 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^a edição, Elsevier Saunders; Birchard, J. J. e Sherding, R. G. (2000). *Saunders Manual of Small Animal Practice*, 2^a edição, W.B. Saunders Company; Boothe, D. M. (2001). *Small Animal Clinical Pharmacology and Therapeutics*, 1^a edição, W.B. Saunders Company. Chandler, E. A., Gaskell, C. J., Gaskell, R. M. (2004). *Feline Medicine and Therapeutics*, 3^a edição, Blackwell scientific Publications. Ettinger, S. J. e Feldman, E. C. (2010). *Textbook of Veterinary Internal Medicine: Diseases of the Dog and Cat*, 6^a edition, W.B. Saunders Company. Gough, A.; Murphy, K. (2015). *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^a edição, Mosby. Inc.; Rand, J. (2013) *Clinical Endocrinology of Companion Animals* John Wiley & Sons; Reed, S. M. (2004) *Equine Internal Medicine*, 2^a edição, W B Saunders Co.; Rynjberk, A. & Kooistra, H.S. (2010) *Clinical Endocrinology of Dogs and Cats*, 2nd Edition, Schlütersche Verlagsgesellschaft; Smith, B. P. (2008). *Large Animal Internal Medicine*, Mosby. Inc., 4^a edição; Thompson, M.S. (2014) *Small Animal Medical Differential Diagnosis* 2nd Edition, Elsevier;

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).