

## **PATHOLOGY AND CLINICS OF INFECTIOUS DISEASES I**

**Study Programme: MIMV Curricular Year 4<sup>th</sup> Semester 7<sup>th</sup> Compulsory Credits: 4.5 ECTS**

**Lecturer(s): Carlos Martins (CCP), Virgílio Almeida (R) and Fernando Boinas**

### **1. Contact hours:**

**Lectures - 26 Practicals - 31 Total - 57**

### **2. Objectives:**

Contribution for the student's education on Animal Health related to the basic concepts and general methodologies used on the characterisation and control of infectious diseases relevant for Public Health, animal health and productivity as well as animal welfare, affecting a broad range of hosts, dogs and cats.

### **3. Programme:**

Theoretical:

Infectious Diseases affecting a broad range of hosts:

Rabies. Foot-and-Mouth Disease. Tuberculosis. Brucellosis. Salmonellosis. Pasteurellosis. Colibacillosis. Leptospirosis. Listeriosis. Clostridiosis. Ringworm. Malasseziosis.

Infectious diseases of Dogs:

Parvovirus. Distemper. Infectious Hepatitis. Kennel Cough. Lyme Disease.

Infectious diseases of cats:

Feline Herpesvirus. Feline Calicivirus. FeLV. FIV. Feline Infectious Peritonitis.

Practicals:

Laboratory:

Collection & storing of biological samples for infectious diseases diagnosis. Model of infectious diseases pathogenesis and immunity (Erysipelas). Clostridiosis (bacteriological diagnosis). Serological diagnosis of Brucellosis. Bacteriological and serological diagnosis of Enterobacteria. Ringworm and malasseziosis (mycological diagnosis). ELISA commercial kits: canine parvovirus, canine distemper, FeLV and FIV.

Faculty Hospital:

Isolation Unit.

On-farm classes:

field visits to give assistance to veterinary brigades of the Animal Health Defense Associations (farmers organizations).

Case Studies: Rabies legislation. Dog & cat vaccination calendars. Legal procedures for the notification of infectious diseases.

### **4. Bibliography:**

Coetzer, J.A.W. & Tustin, R.C. (Ed.) (2004). *Infectious Diseases of Livestock*. Vol I, Vol II, Oxford University Press.

Greene, G.E. (1998). *Infectious diseases of the dog and cat*. 2<sup>nd</sup>. Ed., W.B. Saunders.

Radostits, O.M., Gay, C.C., Diplomate, H., Hinchcliff, K.W. & Constable, P.D. (2007). *Veterinary Medicine*. Saunders-Elsevier.

Documentos da autoria da equipa docente, disponibilizados na plataforma *Moodle*.

### **5. Assessment:**

Theoretical course: 1 written exam; Practical course: 1 oral exam.

The final mark is the weighed mean of both exams: theoretical exam mark (70%); practical exam mark (30%).