

INFECTIOUS DISEASES I

Code: 90042 Curricular Year 4th Semester 7th Compulsory Credits: 4.0 ECTS

Lecturer(s): Profs. Drs. Virgílio Almeida (CCP, and R), Fernando Boinas, Solange Gil e João Nestor

1. Contact hours:

Theoretical - 26; Practical - 31; Total - 57

2. Objectives:

Contribute to the training of students in the area of Animal Health, within the scope of the One Health concept and the methodologies used in the study and control of infectious diseases (ID) that affect a large number of hosts and dogs and cats, relevant to animal health and welfare, public and environmental health, the economy of livestock farms, including exotic ID subject to mandatory reporting and that threaten Portugal and the European Union.

3. Programme:

Theoretical:

ID AFFECTING A BROAD RANGE OF HOSTS: Rabies. Foot-and-Mouth Disease. Tuberculosis. Brucellosis. Salmonellosis. Pasteurellosis. Colibacillosis. Leptospirosis. Listeriosis. Clostridiosis. Ringworm. Malasseziosis.

I.D. DOGS: Distemper. Parvovirus. Infectious Hepatitis. Canine Herpesvirus. Lyme Disease. Kennel Cough.

I.D. CATS: FeLV. FIV. Feline herpesvirus. Feline calicivirus. Feline panleukopenia. Feline Infectious Peritonitis.

Practicals:

LABORATORY CLASSES: Brucellosis. Colibacillosis and Salmonellosis. Ringworm. Canine parvovirus, and canine distemper. FeLV, and FIV. Feline coronavirus.

CASE-BASED LEARNING: Tuberculin testing, rabies legislation, Integrated approach to the diagnosis of infectious diseases in dogs and cats, dog and cat vaccination calendars.

TEACHING HOSPITAL: a 2-hour session/student at the Biological Isolation and Containment Unit.

ON FARM CLASSES: a 4-hour session/student in ruminant farms within the scope of preventive activities carried out by Livestock Producers Associations.

4. Bibliography:

Presentations and articles provided by the teaching team.

Fraser C.M. *et al*, *The Merck Veterinary Manual*. Merck & CO., Inc., 20th edition, New Jersey, 2018.

Infectious diseases of the dog and cat. 3rd. Ed., W.B. Saunders, 2006.

Radostitis O.M., Gay C.C., Blood D.C. Hinchcliff K.W., *Veterinary Medicine*, W.B.Saunders, Harcourt Publishers Ltd, 10th Edition, 2007.

5. Assessment:

Theoretical course: 1 written exam. Minimal mark is 10 out of 20.

Practical course: final oral exam. Minimal mark is 10 out of 20.

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