

INFECTIOUS DISEASES I

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

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

1. Contact hours:

Lectures 26 Praticals 28 Total 54

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 (ID) relevant for Public Health, livestock production and animal welfare, affecting a broad range of hosts, dogs and cats.

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. Kennel Cough. Canine Herpesvirus. Lyme Disease.

I.D. CATS: Feline Herpesvirus. Feline Calicivirus. FeLV. FIV. Feline Infectious Peritonitis.

Practicals:

LABORATORY CLASSES: Serological diagnosis of Brucellosis. Bacteriological and serological diagnosis of Enterobacteria. Ringworm (mycological diagnosis). ELISA: canine parvovirus, canine distemper, FeLV and FIV.

CASE-BASED LEARNING: Tuberculin testing, rabies legislation, dog and cat vaccination calendars.

ON FARM CLASSES: Visits to ruminant farms within the scope of preventive activities carried out by livestock producers associations: A 4-hour session in groups of 6 students.

VETERINARY TEACHING HOSPITAL: A 3-hour session in groups of 4 students at the Biological Isolation and Containment Unit.

4. Bibliography:

Coetzer, J.A.W., Thomson, G.R. and Tustin, R.C. (Editors), *Diseases of Livestock*, Vol I, Vol II, Oxford University Press, 1994.

Fraser C.M. *et al*, *The Merck Veterinary Manual*. Merck & CO., Inc., 8th edition, New Jersey, 1998.

Chandler E.A. *et al*, *Canine medicine and therapeutics*, British Small Animal Veterinary Association, Blackwell Science, 3rd edition, London, 1991.

Chandler E.A. *et al*, *Feline medicine and therapeutics*, British Small Animal Veterinary Association, Blackwell Science, 2nd edition, London, 1994.

Infectious diseases of the dog and cat. 2nd. Ed., W.B. Saunders, 1998.

Radostitis O.M., Gay C.C., Blood D.C. Hinchcliff K.W., *Veterinary Medicine*, W.B.Saunders, Harcourt Publishers Ltd, 9th Edition, 2000.

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%).