UNIVERSIDADE DE LISBOA

Faculdade de Medicina Veterinária

PATHOLOGY AND CLINICS OF INFECTIOUS DISEASES II

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

Lecturers: C.Martins (CCP), F.Boinas (R), V.Almeida, J.Chagas Silva, S.Gil, J.A. Cardoso e J.S.Nunes

1. Contact hours: **Lectures** 26, **Practical** 26, **Field** 5, **Isolation Unit** 2 **Total** 59

2. Objectives:
Contribution for the student's education on Animal Health particularly related to basic concepts and general methodologies used on the characterisation and control of infectious diseases specific of cattle and small ruminants, horses, swine, poultry and rabbits, relevant for Public Health, animal health and productivity as well as animal welfare.

3. Programme:
THEORETICAL - RUMINANTS: Mastitis, Transmissible Spongiform Encephalopathies (BSE and Scapie), Enzootic Bovine Leukosis, Infectious Bovine Rinotracheitis, Bovine Viral Diarrhoea, Paratuberculosis, Bluetongue, Footrot, Contagious Agalaxia, Chlamydiosis, Lentiviruses (Maedi-Visna, CAE) Border Disease and Orf.
HORSES: Infectious Anaemia, Strangles and Viral Rhinopmeunonitis.
SWINE: Erysipelas, Atrophic Rhinitis. Enzootic Pneumonia, Swine Influenza, Aujeszky Disease, Parvovirosis, PRRS, Circovirosis, Swine Ileitis and African swine fever.
POULTRY: Avian Influenza, Newcastle Disease, Infectious Bursal Disease, Marek Disease, Infectious Bronchitis, Infectious Laryngotracheitis, Avian Mycoplasmosis and Avian Metapneumovirus.
RABBITS: Mixomatosis and Viral Haemorrhagic Disease
PRACTICAL - LABORATORY CLASSES: Mastitis (cow side tests, laboratory diagnostic and therapeutics). Model of viral diagnosis (Aujeszky Disease and African swine fever).
CASE STUDIES: Molecular Diagnostic of Infectious Diseases, Interpretation of the results of the Laboratory Diagnostic of Mycobacteria, Lesions associated with Avian Infectious Diseases, Case studies with Fowlpox and Poultry Enteritis and Mortality Syndrome (PEMS) and Aspergillosis, Avian Influenza and Newcastle Disease, Differential clinical diagnostic of swine infectious diseases, Aujeszky Disease Eradication Programme, BSE and Scrapie eradication programmes and Medical Prophylaxis in Equids.
FIELD ACTIVITIES: Accompanying veterinary field teams from Producer's Organizations - OPP /ADS
INFECTIOUS DISEASES ISOLATION UNIT: Clinical practice in infectious patients

4. Bibliography:
Documents produced by the lecturers and made available to the students at the Moodle Platform
Kahn, C. (Editor) (2010). *The Merck Veterinary Manual.* 10th Ed. Merck & CO, Inc.
World Organization for Animal Health (2016) Manual for diagnostic tests and vaccines for terrestrial animals. OIE.
Pugh, D.G & Baird, N. (2011). *Sheep and Goat Medicine,* 2nd Ed., Elsevier.
Radostits, O.M., Gay, C.C., Diplomate, H., Hinchcliff, K.W. & Constable, P.D. (2007). *Veterinary Medicine*. Sounders-Elsevier.
Sellon, D. C. & Long, M. (2013). *Equine Infectious Diseases.* 2nd Ed., Elsevier.
Swayne, D.E. (Editor) (2013). *Diseases of Poultry*, 13th Ed., Wiley-Blackwell,
Zimmerman, J.J., Karriker, L.A., Ramirez, A., Schwartz, K.J. & Stevenson, G.W. (Editors) (2012). *Diseases of swine.* 10th Ed., Wiley-Blackwell.
Certified Web Sources

5. Assessment:
Theoretical course: 1 written exam. Students are evaluated for practical course by an oral exam. The final mark is the weighed mean of both exams: theoretical exam mark (70%) and practical exam mark (30%).