UNIVERSIDADE DE LISBOA

Faculdade de Medicina Veterinária

DIAGNOSTIC IMAGING

Study Programme: MIMV **Curricular year: 5th** **Semester: 9th** **Compulsory** **Credits: 3.5 ECTS**

Lecturer(s): António José Almeida Ferreira (CCP e R), Sandra Oliveira Jesus, Rita Fonseca, Joana Vidal Pontes

1. Contact hours:
Lectures - 26 hours, **Praticals** – 13 hours, **Total** – 39 hours

2. Objectives:
- To provide the students with the ability of recognising the main radiographic, ultrasonographic signs and its aetiology.
- To help the student develop logic and rapid faculty of reason on possible diagnostic differentials to consider, according to the presented clinical signs.
- To expose the students to the multiple imaging modalities its signs and related aetiologies.
- Students should be able to interconnect the imaging knowledge with that of pathology, medicine and surgery.

3. Programme:
a. Theoretical lectures
radiographic and ultrasonographic interpretation – approach by anatomical region (dog and cat) thorax ; abdomen; appendicular skeleton; appendicular skeleton (horse); axial skeleton; spine; head; Ultrasonography by anatomical regions
b. Practical lectures
1. Practical lectures of radiographic, ultrasonographic and computed tomography interpretation.

4. Bibliography:
Butler, C., Dyson &, Kold, P. (1993). *Clinical Radiology of the Horse*. Blackwell Scientific Publications, Oxford.
Penninck, D. & Anjou, M.A. (2008). *Atlas of small animal ultrasonography*. Willey–Blackwell.
Thrall, D.E. (2013). *Textbook of Veterinary Diagnostic Radiology*. WB Saunders, Philadelphia.

5. Evaluation:
The knowledge obtained through the semester will be evaluated through a written exam, which includes the information taught both in theoretical and practical classes. To be approved the student should have a grade higher than 10.