

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, **Practicals** – 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:

Thrall, DE-Textbook of Veterinary Diagnostic Radiology, WB Saunders, 6^a edição, Philadelphia, 2013.

Butler; Coles; Dyson; Kold; Poulos, Clinical Radiology of the Horse Blackwell Scientific Publications, Oxford, 1993.

Penninck D; Anjou MA-Atlas of small Animal ultrasonography, Willey –Blackwell 2008

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.