

IMAGIOLOGY

Study Programme: MIMV Curricular year: 3th Semester: 6th Compulsory Credits: 4 ECTS

Teaching team: António José Almeida Ferreira (CCP and R), Sandra Oliveira Jesus, Rita Fonseca, Joana Vidal Pontes

1. Contact hours

Lectures - 26 hours, **Practicals** - 13 hours, **Total** – 39 hours

2. Objectives

- Transmit the student the idea that imaging is a set of resources that serve , through the image , to clarify some aspects of the case in question . However, the diagnosis should be made taking into account all aspects of the case.
- Train the student in analyzing the image, ie, requiring that the image is observed in a methodical way and from there you extract all the information it can provide.

3. Programme

3.1. theoretical

Basic principles of X-radiation, ultrasound , computed tomography , magnetic resonance imaging , scintigraphy . Interpretation of the normal radiographic anatomy by anatomical regions of dog and cat and appendicular skeleton horse.

3.2. practical teaching

Radiographic facilities, radiographic defects , contrast radiographic examinations, positioning radiographic , ultrasound patterns

4. Bibliography

Douglas, S.W., Herrtage, M.E. & Williamson, H.D. (1987). Principles of Veterinary Radiology. Blackwell, 4^a edição, London.

Morgan, J.P. (1993). Techniques of Veterinary Radiography. Iowa State University Press, 5^a edição, Iowa.

Thrall, D.E. (2013). Textbook of Veterinary Diagnostic Radiology. WB Saunders, 6^a edição, Philadelphia.

5. Evaluation of knowledge

The theoretical and practical assessment is performed through a written test with 20 questions, covering every chapter of the matter, with the aim that the answers given are short and succinct manner, within a few lines.

The student must obtain the written evaluation at least 10 values.