Surgery

Curricular Year: 4th **Duration**: Annual **Credits**: 10 ECTS

Teachers: Esmeralda Delgado (CCP e R); Ana Reisinho, António Ferreira, George Stilwell, Hugo Miguel Ramos, José Paulo Sales Luís, Leonor Iglésias, Lisa Mestrinho, Luis Lamas, Luis Miguel Carreira, Rui Lemos Ferreira, Sandra Jesus.

Contact Hours: 125H Total.
52H Lectures; 68H Practical and laboratory teaching.

Learning objectives and Program contents:

At the end of the curricular unit, the student must
- know the relevant surgical pathology of different body regions, regarding soft tissue surgery and orthopedics
- know the main surgical diseases in companion animals, horses and livestock species
- know how to collect the patient's clinical history and interpret the analytical and imaging diagnostic methods relevant to the surgical context
- understand the pathophysiological mechanisms, medical alternatives and surgical options
- identify the most appropriate technique and know the sequence of surgical procedures including the instruments used, suture materials and medical devices
- possible complications and prognosis must be within the student's domain
- acquire autonomy in post-operative period recommendations and communication skills with the tutor and clinical team
- acquire self-learning skills that lead to a continuous process of knowledge updating.

Bibliography:
Small Animal Surgery, Fossum TW (Ed), Elsevier, 5ª edição, 2018
Veterinary Surgery: Small Animal Expert Consult, Jonhston and Tobias (Eds), Elsevier - Health Sciences Division, 2ª edição 2017.
Tratado de Ortopedia de Cães e Gatos, Bruno Watanabe Minto (Ed.), 2 Vols, Medvet, 1ª Edição, 2022.
Cirurgia Reconstrutiva em Cães e Gatos, Castro Jorge L, huppes Rafael R, Pazzini J, De Nardi A (Eds). Medvet, 1st edition, 2022.
Small Animal Endoscopy, Todd R. Tams and Clarence A. Rawlings (Eds), Mosby, 3rd edition, 2011.
Manual of Small Animal Veterinary Ophthalmology. David Gould & Gillian Mclellan. British Small Animal Veterinary Association, 3rd edition, 2014.
Equine Surgery, Jörg A. Auer e John A. Stick (Eds.) 6st edition, Elsevier, 2012.
Farm Animal Surgery, Susan L. Fubini, Norm G. Ducharm (Eds.), W.B. Saunders, 2nd edition, 2017.
Mattoon JS, Sellon R, Berry C (2020). Small Animal Diagnostic Ultrasound. 4rd edition. Elsevier.
Schwarz T; Saunders J (2011). Veterinary computed tomography. 1st edition. Wiley Blackwell.

Assessment:
The assessment of theoretical and practical knowledge will be carried out by means of an intermediate written test consisting of multiple-choice questions and development questions graded on a scale of 0 to 20, which is a subject eliminatory test. Students who do not pass this subject eliminatory test or who wish to improve their grade will take the final exam covering the entire subject.
In addition, a written exam will be held at the end of the UC, also consisting of multiple-choice questions and development questions graded on a scale of 0 to 20. This final exam will assess the entire subject for those who did not pass the written test and only the additional subject for students who passed the writ-ten test.
A practical assessment will also be carried out based on the presentation of a clinical case in groups of 5-6 students in Power-Point format lasting approximately 20 minutes at the end of the practical rotations. This will be followed by discussion and argumentation of the clinical case between the teaching team and the students. The assessment of the oral presentation of the surgical clinical case is carried out by a team of teachers from the Curricular Unit and the group is classified according to the oral presentation carried out (content, graphic component and communication skills) and oral discussion of the clinical case with the other students and the teaching team. The grade on a scale of 0 to 20 is given to the group and is worth 20% of the final grade. Final classification will be a weighted average of the classification obtained in the written test (40%), in the final written exam (40%), and the evaluation of the oral presentation of the clinical surgical case made by each surgical team (20%).
The weight (%) of each component of the assessment is as follows: the final classification is obtained using the formula:

CF = 0,4 T (frequency) + 0,4 T (exam) + 0,2 (group work)

Student assessment is also important to assess the effectiveness of the teaching-learning methodologies used, in compliance with the objectives of the UC, and to make appropriate adjustments in the future in teaching methodologies and assessment of knowledge and skills.