

Updated On	2024/03/21																																
Curricular Year / Period	2023/24 / S1																																
Course	Veterinary Nursing																																
Curricular Unit	Animal Anatomy																																
Language(s) of Instruction	Português Inglês																																
ECTS/tempo de trabalho (horas)	<table border="1"> <thead> <tr> <th>ECTS</th><th>Total</th><th colspan="8">Horas de contacto semestral</th></tr> <tr> <th>6</th><th>160</th><th>T</th><th>TP</th><th>PL</th><th>S</th><th>TC</th><th>E</th><th>O</th><th>OT</th><th>EC</th></tr> </thead> <tbody> <tr> <td></td><td></td><td>32</td><td>0</td><td>32</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></tr> </tbody> </table> <p>T - Theoretical; TP - Theoretical and practical; LP - Laboratory Practice; S - Seminar; TG - Tutorial guidance; FW - Fieldwork; T - Training; ; EC - Clinical teaching; O* - Other hours typified as Clinical Training under the Directive 77/453/EEC of June 27, adapted by Directive 2005/36/EC.</p>	ECTS	Total	Horas de contacto semestral								6	160	T	TP	PL	S	TC	E	O	OT	EC			32	0	32	0	0	0	0	0	0
ECTS	Total	Horas de contacto semestral																															
6	160	T	TP	PL	S	TC	E	O	OT	EC																							
		32	0	32	0	0	0	0	0	0																							
Teacher in charge (GDPR consent) [complete name, email]	Jacinto José Carneiro Gomes / jacinto.gomes@ipportalegre.pt																																
Teacher in charge (GDPR consent) [complete name, email]	Laura Hernández Hurtado / laura.hurtado@ipportalegre.pt																																
Teacher in charge (GDPR consent) [complete name, email]	Filipa Luís Pratas Mirante Dorez / filipadores@ipportalegre.pt																																
Prerequisites [Curricular Units that must precede and specific entry competences]	N/A																																
Learning outcomes [Description of the overall and specific objectives] [Knowledge, skills and competences to be developed by students]	To present the basic methodologies and techniques used in Anatomy, as well as the terminology to locate, identify and orientate different anatomical structures. To know the muscular, bone and organ structures that confer the morphological characteristics and aptitudes of pets, livestock and horses. To provide scientific knowledge and technical methodologies, for a correct identification of the bone bases in order to correlate them with the external morphology of animals. To understand the dynamic interrelationships between muscle and bone tissues. Provide background knowledge to recognize changes and deviations in the anatomical constitution of animals. Possess the ability and knowledge to assess proper posture. Perform correctly the identification of anatomical structures.																																
Sustainable Development Goals																																	
Syllabus	<p>Theoretical: Introduction to Anatomy. Anatomical concepts and laws. Anatomical symmetry. Generalities of Osteology. Axial and appendicular skeleton. Bone and joint accidents. Generalities of Arthrology. Types of joints. Osteology: Skull, Spine. Thorax. Thoracic and pelvic limb. Articulations. Generalities of Myology. Head, neck, shoulder and shoulder muscles. Abdominal, thoracic and pelvic limb muscles. Comparative Splanchnology (Horse; Ruminant; Carnivore and Swine). Digestive system, respiratory system, cardiovascular and lymphatic system. Angiology, genital system, urinary system. Nervous system and sense organs. Anatomy of birds, reptiles and small mammals.</p> <p>Practice: Comparative osteology of domestic mammals - bones of face and skull; vertebral column; sternum; ribs; scapular girdle; thoracic limb bones; pelvic girdle; pelvic limb bones. Myology and arthrology of domestic mammals-dissection of cadavers. Splanchnology of domestic mammals-observation of the organs studied in the lectures.</p>																																
Teaching methodologies (including assessment) [Specify the types of assessment and the weights and evaluation criteria]	1 - Teaching methodologies																																

	<p>Theoretical - lectures with the support of content provided by teachers, in which the concepts are introduced and the fundamentals of the topics to be addressed are explained with the desired level of detail.</p> <p>Practical - In the anatomy room, necropsy laboratory or in the field, with anatomical models of the skeleton. Practical classes are mandatory. To pass the course, it is essential to have attended at least 75% of the practical classes.</p> <p>2 - Period assessment</p> <p>Theoretic (50% final grade) 2 midterm tests and accomplishment of a monographic work proposed by the teacher. 40% 1st midterm + 40% 2nd midterm + 20% group project Obs. Each midterm has a minimal grade of 9.5. Failing the first test (less than 9.5) eliminates the possibility to perform the second test. A grade of less than 9.5 in the second test implies necessarily the completion of the global exam.</p> <p>Practic (50% final grade) Continuous evaluation, mandatory presence in practical classes. 50% of the grade given by evaluation obtained in 2 tests and 50% of the grade is given by practical evaluation in classes</p> <p>3 - Examination assesement</p> <p>Theoretic (50% final grade) Global exam. Exam including all the subjects lectures in the curricular unit accomplishment of a monographic work proposed by the teacher. 80% exam + 20% group project</p> <p>Practic (50% final grade) Global oral exam (100%)</p>
<p>Bibliography</p>	<p>1 - Main Bibliography</p> <p>Akers, R. M., et al. (2013). Anatomy & Physiology of Domestic Animals. 2ª ed. Willey Blackwell Sisson, S., Grossman, J. D. (2000). Anatomía de los animales domésticos. 4ª ed. Salvat Editores, S.A. Frandsen, R. D., et al. (1996). Anatomia e fisiologia dos animais domésticos. 2ª ed. Guanabara Koogan. Getty, R. (1986). Anatomia dos animais domésticos. 1ª ed. Editora Interamericana Ltda Raymond R. A., et al. (1989). Atlas colorido de Anatomia Veterinária: o cavalo. Editora Manole Ltda Bassett, J M.; Thomas, J A. (2014). Clinical Textbook for Veterinary Technicians. (8th edition). Elsevier Saunders. (capítulo: Introduction to anatomy and physiology) Colville, T; Bassett, J M (2002) Clinical Anatomy and Physiology for Veterinary Technicians. USA, Mosby Inc.</p> <p>2 - Complementary Bibliography</p> <p>Barone, R. (1990). Anatomie Comparée des Mammifères Domestiques. Vigot Freres (Editeurs). Sack e Wensing (1999). Anatomia Veterinária. McGraw-Hill; 2ª Edicion. Swenson, M. S. Dukes (1998). Schwarze, E. Compêndio de Anatomia Veterinária. Editorial Acribia, S.A. Manuais / Diapositivos dos Professores Biblioteca Online (b-On)</p>
<p>Special Situations [Students with special status]</p>	<p>1 - Period assessment - Students with special status</p> <p>Theoretic (50% final grade) 2 midterm tests and accomplishment of a monographic work proposed by the teacher. 40% 1st midterm + 40% 2nd midterm + 20% group project Obs. Each midterm has a minimal grade of 9.5. Failing the first test (less than 9.5) eliminates the possibility to perform the second test. A grade of less than 9.5 in the second test implies necessarily the completion of the global exam.</p> <p>Practic (50% final grade) Continuous evaluation. 50% of the grade given by evaluation obtained in 2 tests and 50% of the grade is given by practical evaluation in classes</p> <p>2 - Examination assesement - Students with special status</p> <p>Theoretic (50% final grade)</p>

Curricular Unit Form

	Global exam. Written test with all the subjects lectured in the curricular unit (80%) + Group project (20%)
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	Practic (50% final grade)
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	Global oral exam (100%)
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