Curricular Unit Form

POLITÉCNICO DE PORTALEGRE

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Escola Superior Agrária de Elvas

Updated On	2021/10/28
Curricular Year / Period	2021/22 / S1
Course	Equinicultura
Curricular Unit	Anatomia Animal
Language(s) of Instruction	Português Inglês

ECTS/tempo de trabalho (horas)

ECTS	Total	Horas de contacto semestral								
		T	TP	PL	S	TC	E	O	OT	EC
6	160	32		32						

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.

Teacher in charge (GDPR consent) [complete name, email]	Jacinto José Carneiro Gomes / jacinto.gomes@ipportalegre.pt
Other teachers (GDPR consent) [complete name, email]	Maria Madalena Cordeiro Ferreira Roquette / madalenaroquette@ipportalegre.pt
Prerequisites [Curricular Units that must precede and specific entry competences]	
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 that allows to locate, identify and guide different anatomical structures. Know the muscular, bone and organ structures that give the morphological characteristics and aptitudes of companion animals, livestock and horses. Provide scientific knowledge and technical methodologies, for a correct identification of bone bases to be able to correlate them with exognosis. Provide basic knowledge to recognize changes and deviations in the anatomical constitution of animals. Provide basic knowledge about the anatomy of domestic animals. Understand the dynamic interrelationships between muscle and bone tissues. Have the ability and knowledge to assess proper posture. Recognize the processes that define the healthy state in this area, enabling auxiliary skills of intervention in this domain. Correctly identify anatomical structures. Understand the anatomical theoretical foundations. Understand the dynamic interrelationships between Osteology, Arthrology, Myology and Splanchnology. Understand the theoretical and practical foundations that support the specific features of each species / breed. Understand the theoretical foundations of the functions of Tissues and Organs from a Topographic perspective.
Syllabus	Theoretical: Introduction to Anatomy. Anatomical concepts and laws. Anatomical symmetry. Generalities of Osteology. Axial and appendicular skeleton. Bone and joint accidents. Generalities of Arthrology. Typology of joints. Osteology: Skull, Spine. Chest. Thoracic and pelvic M. Joints. General Myology. Muscles of the head. M. of the neck. M. of the shoulder and shoulder. M. abdominals. M. of the thoracic M. M. of the pelvic M. Comparative Splanchnology (Horse; Ruminants; Carnivores and Swine): Digestive system, respiratory system, cardiovascular system - angiology, genital system, urinary system. Lymphatic centers Head; Thoracic cavity; Members; Abdominal viscera. Main components of the nervous system. Practice (horses): Terminology. Anatomical orientation. Attitudes. Trunk region. Chest member region. Pelvic limb region Splanchnology. Apparatus: digestive and urogenital respiratory. Peritoneum. Endocrine glands; Angiology of circulation organs; Neurology. Nervous system. Estesiology. Skin and Attachments
Teaching methodologies (including assessment) [Specify the types of assessment and the weights and evaluation criteria]	**1 - Teaching methodologies**

	Theoretical - master classes with manual support from the teacher. Demonstration of anatomical and physiological interrelation. Continuous participation of students in clarifying scientific conceptual doubts. Evidence as contained in the Evaluation Methodology. Practices - In the classroom, autopsy laboratory or in the field, with appropriate and anatomical models of the skeleton. Evidence contained in the assessment methodology. **2 - Period assessment** THEORETICAL (50% of weight in the final grade) 2 Interim tests and preparation of a Monographic Work proposed by the teacher. 40% Grade of the 1st Test + 40% Grade of the 2nd Test + 10% Grade of the assignment + 10% participation in class Obs. The minimum grade in each test is 9.5 values. Failure to pass the 1st test eliminates the possibility of taking the 2nd test. A score lower than 9.5 in the 2nd test necessarily implies the completion of the global exam. PRACTICE (50% of weight in the final grade) Continuous assessment, mandatory presence in practical classes. 50% of the evaluation mark of the 2 tests and 50% of the practical evaluation of the classes. **3 - Examination assessement** THEORETICAL (50% of weight in the final grade) Global examination. Written test covering all the material covered in the Course. 80% + 10% Work grade + 10% class participation PRACTICE (50% of weight in the final grade) Overall assessment under examination. Oral 100%.
Bibliography	**1 - Main Bibliography** 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. Frandson, 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 Bassert, J M.; Thomas, J A. (2014). Clinical Textbook for Veterinary Technicians. (8th edition). Elsevier Saunders. (capítulo: Introduction to anatomy and physiology) **2 - Complementary Bibliography** Barone, R. (1990). Anatomie Comparéee des Mammifères Domestiques. Vigot Freres (Editeurs). Sack e Wensing (1999). Anatomia Veterinária. McGrow-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)
Special Situations [Students with special status]	**1 - Period assessment - Students with special status** THEORETICAL (50% of weight in the final grade) 2 Interim tests and preparation of a Monographic Work proposed by the teacher. 40% Grade of the 1st Test + 40% Grade of the 2nd Test + 10% Grade of the assignment + 10% participation in class Obs. The minimum grade in each test is 9.5 values. Failure to pass the 1st test eliminates the possibility of taking the 2nd test. A score lower than 9.5 in the 2nd test necessarily implies the completion of the global exam. PRACTICE (50% of weight in the final grade) Continuous assessment. 50% of the evaluation mark of the 2 tests and 50% of the practical evaluation of the classes. **2 - Examination assessement - Students with special status** THEORETICAL (50% of weight in the final grade) Global examination. Written test covering all the material covered in the Course. 80% + 20% Work grade PRACTICE (50% of weight in the final grade)

	Overall assessment under examination. Oral 100%.