

Teacher(s)	Rivas Leonel Ellen ;
Language :	French
Place of the course	Louvain-la-Neuve
Prerequisites	A good knowledge of the basic biology is absolutely necessary.
Main themes	<p>Teaching anatomy of animals is made system by system (locomotive, respiratory, digestive, reproductive, circulatory, etc.). For every notion, an in-depth study of three reference animals (dog, horse and bovine) is realized, followed by a compared study of the cat, the small ruminants, the pig, the rabbit and the birds.</p> <p>This first course concerns the various parts of the locomotive system: osteology (study of the osseous skeleton), arthrology (study of the joints), myology (study of the body muscles). A chapter dedicated to the biomechanics closes this first course. The theoretical notions are the subject to detailed dissections and demonstrations.</p>
Learning outcomes	<p>At the end of this learning unit, the student is able to :</p> <p>The aim of the 4 courses of anatomy of domestic animals is to teach this matter to future veterinarians. Learning anatomy allows the student to fill the requirements of the medical act. In particular to localize exactly any organ of an animal, to be able to correlate any reaction of a precise anatomical area to a precise organ, to choose the places of auscultation, palpation, percussion, to choose also precise places of diagnostic or therapeutic intervention and to do any medical act. The aim of the course is also to make understand the normal functioning of organs and, by comparison, the abnormal functioning of these organs. In other words, to explain the physiology and the pathology according to the forms and the anatomical structures. The accent is thus put on the functional and clinical aspects of this matter</p>
Evaluation methods	<p>Theory: Written exam including diagrams to draw and/or label and orient, multiple-choice questions (MCQs), open-ended questions, and short-answer questions. The theoretical exam accounts for half of the total annual grade.</p> <p>Practical work (labs):</p> <ul style="list-style-type: none"> • Osteology: Written exam outside the regular exam period (30% of the practical work grade). • Arthrology and Myology: Continuous assessment during the semester (70% of the practical work grade), based on ongoing evaluation during dissection sessions. <p>The final grade is based on the average of the two components (theory and practical work), provided that a minimum score of 8/20 is obtained in each part. Otherwise, the lower score will be retained as the final grade.</p>
Teaching methods	<p>Lecture: Delivered in the lecture hall, based on PowerPoint presentations and 3D models available online.</p> <p>Practical sessions: Handling and observation of skeletons, and dissections of various domestic species (dog, cat, equids, cattle, sheep).</p>
Content	<p>The first lecture covers the different parts of the musculoskeletal system: osteology (the study of the bony skeleton), arthrology (the study of joints), and myology (the study of striated muscles). It will conclude with a chapter dedicated to biomechanics. The concepts presented in the lecture are explored through detailed dissections and demonstrations.</p>
Inline resources	<p>The course ppts will be available on Moodle as well as four illustrated (color) and referenced syllabuses available on the platform.</p>
Bibliography	<p>Les livres de référence sont disponibles à la BST.</p> <p>Les deux références principales sont :</p> <ol style="list-style-type: none"> 1) Anatomie comparée des mammifères domestiques. R. Barone (7 tomes) Ed. Vigot 2) Veterinary Anatomy. Dyce, Sack and Wensing. Ed Saunders
Other infos	<p>Active attendance at practical sessions is mandatory. Unjustified absences will be penalized.</p> <p>Participation and assessment during the practical sessions are conditional upon the submission of a questionnaire on Moodle, no later than the day before the session. This questionnaire does not count toward the practical work grade, but its completion is required to access the session. Its purpose is to ensure that students are adequately prepared and have mastered the necessary knowledge for the proper execution of the planned dissection work.</p>

Faculty or entity in charge	VETE
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Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Bachelor in Veterinary Medicine	VETE1BA	8		