

Course name: ANATOMY

ECTS	18
Course status	obligatory
Course final assesment / evaluation of outcomes	exam
Prerequisites	

Main field of study:**field of study name (capital letters)**

Profile of study	General-academic
The code of studies (education level)	MSc.
Semester of studies	winter / summer
Language of instruction	English

Course offered by: Faculty of Veterinary Medicine

Name of faculty offering the course	Faculty of Veterinary Medicine
Course coordinator	dr hab. Izabela Krakowska prof.URK

Learning outcomes of the course:

Symbol of outcome	Description of learning outcome	Reference to	
		main field of study outcomes	discipline#
KNOWLEDGE – student knows and/or understands:			
	knows and describes normal structures of an animal organism, anatomical build of animals		RW
	latin anatomical language according to vocabulary Nomina Anatomica Veterinaria		
	student knows the macrostructure of all organs and systems		
SKILLS – student is able to:			
	identify animal species on the basic of characteristic build trait; using of veterinary anatomical terminology-Polish, Latin ang Greek in aspect of clinical needs.		RW
	describe structure of the systems and specific organs, is able to identify organs and depict differences in the anatomical structure of individual organs of different species.		
SOCIAL COMPETENCE- student is ready to:			
	develop and upgrade knowledge and improve skills		RW
	follow up ethical standards		

Teaching contents:

Lectures	75	hours
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Topics of the lectures	<p>General osteology: The passive locomotor apparatus. anatomy of the bones, division of the bones, ossification.</p> <p>General myology: The active locomotor apparatus. build of muscle, division of the muscles, assistance apparatus of muscles.</p> <p>The central nervous system; brain, spinal cord. Division of brain, morphology of the brain and spinal cord.</p> <p>The peripheral nervous system: the cranial nerves, spinal nerves.</p> <p>The nerve cell.</p> <p>The peripheral autonomic nervous system: the parasympathetic system, the sympathetic system.</p> <p>The sense organs: the organ of vision, the ear-vestibulocochlear organ, the olfactory organ, the gustatory organ, the cutaneous sense.</p> <p>The secretory organs: morphology, functions of pituitary gland, pineal gland, thyroid gland, parathyroid gland, adrenal gland, endocrine part of the pancreas, testes, ovary.</p> <p>Lymphatic organs: lymphatic nodes, thymus, spleen, bone marrow, lymphatic vessel.</p> <p>The common integument: The structure of skin, the hoof, the footpads, hair.</p> <p>Anatomy of birds.</p>
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Accomplished learning outcomes	<i>symbols of learning outcomes for lectures</i>
Verification methods, rules and criteria of outcome assessment	<i>particular credits (oral, practical)</i> <i>Written examination, theoretical and practical examination</i>

Classes **135** **hours**

Topics of the classes	<p>Osteology- Detailed report about bones of the skeleton, the classification and organization. Species differences. and reconnoitre of the bones.</p> <p>Myology- Skeletal muscles: muscles of the head, shoulder, arm, forearm, muscles of the thoracic wall and abdominal wall, muscles of the hindlimb and forelimb.</p> <p>The morphology of the joints. The joints of the skeleton - vertebral column, skull bones, thorax bones, limbs bones, pelvis.</p> <p>The digestive apparatus. The mouth, tongue, salivary glands.</p> <p>The The masticatory apparatus.</p> <p>The pharynx and soft palate. The esophagus.</p> <p>The abdominal cavity. Peritoneal structures, the stomach, intestine, liver, pancreas.</p> <p>The respiratory apparatus. The nose, larynx, trachea, pleura, lungs.</p> <p>The urogenital apparatus. The kidneys, renal pelvis and ureter, urinary bladder, urethra.</p> <p>The male reproductive organs. The testes, epididymis, deferent duct, scrotum, testicular function. The penis and prepuce.</p> <p>The female reproductive organs. The ovaries, uterine tubes, uterus, vagina, vestibule and vulva.</p> <p>The cardiovascular system. The pericardium and the heart. The blood vessels.</p> <p>The circulation in the fetus and the changes after birth.</p>
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Accomplished learning outcomes	
Verification methods, rules and criteria of outcome assessment	<i>together with participation in the final assesement (in %)</i>

References:

Basic	<p><i>Krysiak K. - Anatomia zwierząt, tom I, tom II, tom III</i></p> <p><i>König H., Liebich H. – Veterinary anatomy of domestic animals.</i></p> <p><i>Dyce K, Sack W., Wensing C. - Veterinary Anatomy</i></p> <p><i>Done S.,H., Goody P.,C., Evans S.,A., Stickland N.,C. - Color atlas of veterinary anatomy : The dog and cat.</i></p>
Supplementary	<i>George Paxinos-The rat nervous system.</i>

Structure of learning outcomes:

Discipline: # (provide appropriate symbol)	18...	ECTS**
Discipline: # (provide appropriate symbol - if the course relates to more than one academic discipline)	18...	ECTS**

Structure of student activities:

Contact hours	210	hours	15	ECTS**
including:				
lectures	75*	hours		
classes and seminars	135*	hours		
consultations	60	hours		
participation in research	0	hours		

mandatory traineeships	0	hours		
participation in examinations	10	hours		
e-learning	0	hours	...	ECTS**
student own work	60	hours	3	ECTS**

* where 10 hours of classes = 1 ECTS (in case of 15 h → 2 ECTS)

** stated with an accuracy to 0.1 ECTS, where 1 ECTS = 25 - 30 hours of classes

academic discipline code: RZ - animal science and fishery, PB - biological sciences, etc.