

Course name:

COURSE NAME (capital letters) ANATOMY

ECTS	21
Course status	obligatory
Course final assesement/evaluation of outcomes	exam
Prerequisites	No

Main field of study:

field of study name (capital letters)

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

Course offered by:

Name of faculty offering the course	University Centre of Veterinary Medicine
Name of department offering the course	University Centre of Veterinary Medicine
Course coordinator	dr hab.Izabela Krakowska prof.UR

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:

ANA_W1	detailed anatomical build of animals	A_W1, A_W2	RW
ANA_W2	the macrostructure of all organs and systems	A_W1, A_W2	RW
ANA_W3	identification of animal species on the basic of characteristic build trait	A_W1, A_W2	RW
ANA_W4	veterinary anatomical terminology, Latin ang Greek in aspect of clinical needs	A_W20	RW

SKILLS – student is able to:

ANA_U1	description the structures of the systems and specific organs	A_U13	RW
ANA_U2	identify organs and depict differences in the anatomical structure of individual organs of different species	A_U, A_U6	RW
ANA_U3	use Latin anatomical language according to vocabulary Nomina Anatomica Veterinaria	A_U21	RW

SOCIAL COMPETENCE- student is ready to:

ANA_K1	deepening knowledge and improving skills	OK._8	RW
ANA_K2	communicating with colleagues and sharing knowledge	OK._9	RW

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 digestive apparatus</p> <p>The respiratory apparatus</p> <p>The cardiovascular system</p> <p>The urogenital apparatus</p> <p>The male reproductive organs</p> <p>The female reproductive organs.</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>ANA_W1; ANA_W2, ANA_W3;ANA_W4</i>
Verification methods, rules and criteria of outcome assessment	<i>Practical examination and written examination</i>

Classes	135 hours
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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>
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Accomplished learning outcomes	<i>ANA_U1; ANA_U2; ANA_U3;ANA_K1; ANA_K2</i>
Verification methods, rules and criteria of outcome assessment	<i>Grade principles; particular credits (oral, practical) Written examination, theoretical and practical examination</i>

Seminars	0 hours
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Topics of the seminars	
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Accomplished learning outcomes	<i>symbol of learning outcomesof the seminars</i>
Verification methods, rules and criteria of outcome assessment	<i>together with participation in the final assesement (in %)</i>

References:

Basic	<i>Anatomy textbooks;</i> <i>König H., Liebich H. – Veterinary anatomy of domestic animals.</i> <i>Dyce K, Sack W., Wensing C. - Veterinary Anatomy</i> <i>Done S.,H., Goody P.,C., Evans S.,A., Stickland N.,C. - Color atlas of veterinary anatomy : The dog and cat</i>
Supplementary	

Structure of learning outcomes:

Discipline: # (provide appropriate symbol)	21	ECTS**
Discipline: # (provide appropriate symbol - if the course relates to more than one academic discipline)	...	ECTS**

Structure of student activities:

Contact hours	250	hours	10	ECTS**
including:				
lectures	75*	hours		
classes and seminars	135	hours		
consultations	40	hours		
participation in research	...	hours		
mandatory traineeships	...	hours		
participation in examinations	10	hours		
e-learning	...	hours	...	ECTS**
student own work	225	hours	11	ECTS**

Syllabus valid from the academic year 2021/2022

*** 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.