



## Animal anatomy II

ECTS: 9.00

### SUBJECT MATTER CONTENT

#### TEACHING OBJECTIVE

Educational goal of the Animal anatomy II course is teaching students of the anatomy of the: digestive, respiratory, urogenital, circulatory systems, sense organs and cranial nerves.

#### DESCRIPTION OF THE LEARNING OUTCOMES OF THE COURSE IN RELATION TO THE DESCRIPTION OF THE CHARACTERISTICS OF THE SECOND LEVEL LEARNING OUTCOMES FOR QUALIFICATIONS AT LEVELS 6-8 OF THE POLISH QUALIFICATION FRAMEWORK IN RELATION TO THE SCIENTIFIC DISCIPLINES AND THE EFFECTS FOR FIELDS OF STUDY:

##### Symbols for outcomes related to the discipline:

R/WA\_P7S+++

##### Symbols for outcomes related to the field of study:

K.1.+ , A.U14. + , A.U2. + , A.U16. + , B.W19. + , K.8.+ , C.U2. + , A.U6. + , B.U16. + , B.U17. + , B.W1. + , K.2.+ , A.W1. + , A.W22. + , A.W3. + , A.U15. + , A.U13. + , A.W20. + , B.U3. + , K.4.+ , A.U19. + , A.W2. + , K.9.+ , A.U12. + , B.W4. + , A.U21. +

#### LEARNING OUTCOMES:

##### Knowledge:

W1 – Student has a knowledge about anatomy and functions of the: digestive, urogenital, circulatory, respiratory and endocrine system, sense organs and cranial nerves.

##### Skills:

U1 – Student is able to use correctly basic preparation tools and to define and plan a preparatory way of reaching and visualizing individual anatomical structures without excessive, possibly limited damage to other tissues. Uses scientific sources in order to search for information on anatomical issues.

##### Social competence:

K1 – Is aware of the importance of knowledge of anatomy for a veterinarian and for further study of issues in the field of both basic and clinical sciences.

#### TEACHING FORMS AND METHODS:

Lecture(W1;U1;K1):Lecture with multimedial presentation.

Auditorium classes(W1;U1;K1):Classes with using diagrams and multimedial presentation.

Practical classes(W1;U1;K1):Preparation classes using cadavers and anatomical specimens.

#### FORM AND CONDITIONS OF VERIFYING LEARNING OUTCOMES:

Lecture (Written exam) - The final exam from the subjects of Animal Anatomy I and Animal Anatomy II consists of two independent parts; written and practical. Written exam (structured questions) - to pass the final exam, student must obtain not less than 65% of the possible points. The grading of grades is based on the established score thresholds, i.e.

**Legal acts specifying learning outcomes:**  
682/2020  
**Disciplines:** Veterinary science  
**Status of the course:**Obligatoryjny  
**Group of courses:**A - przedmioty podstawowe  
**Code:** ISCED 0841  
**Field of study:**Veterinary Medicine  
**Scope of education:**  
**Profile of education:** General academic  
**Form of studies:** full-time  
**Level of studies:** uniform master's studies  
**Year/semester:** 1/2

**Types of classes:** Lecture, Auditorium classes, Practical classes  
**Number of hours in semester:**Lecture: 45.00, Auditorium classes: 40.00, Practical classes: 20.00  
**Language of instruction:**Polish  
**Introductory subject:** Animal anatomy I  
**Prerequisites:** Knowledge of mammalian zoology with particular emphasis on anatomy and histology.

**Name of the organisational unit conducting the course:**Katedra Anatomii Zwierząt  
**Person responsible for the realization of the course:**prof. dr hab. wet. Jerzy Kaleczyc  
**e-mail:** jerzy.kaleczyc@uwm.edu.pl

**Additional remarks:**

assigning the grade to a specific percentage of points that can be obtained. These thresholds are as follows: 94-100%, assessment: very good (5.0); 87-93%, good plus (4.5); 80-86%, evaluation: good (4.0); 73-79%, grade: sufficient plus (3.5); 66-72%, evaluation: satisfactory (3.0); 65%, assessment: insufficient (2.0). The student may take the exam improvement twice. Practical exam (standardized) - To obtain a positive grade, the student must correctly recognize, name and describe 65% of the anatomical structures indicated by the examiner. In the case of suspending the implementation of classes in full-time mode and the need for distance learning, the methods declared in the syllabus verification of the achievement of learning outcomes, i.e. the forms of passing the exam and exercises, may change in a manner appropriate to the situation. -

Auditorium classes (Oral test) - Three oral colloquia take place during the semester. The colloquia consist of two independent parts: (1) the part devoted to the verification of achievement of practical knowledge; (2) the part devoted to the verification of achievement of the theoretical knowledge. The requirement for passing the colloquium is to obtain a positive grade for both its parts. The grade on each part of the colloquium is obtained by averaging the grades obtained on particular questions. Student who fails colloquium or test may retake it only twice. In order to pass the subject it is required to have passed the colloquia. Final grade for the subject is obtained by averaging the grades (including failing grades) on the colloquium and all tests taking place during the course. Rules for rounding grades: the average  $\geq 4,76$ : excellent (5,0); the average 4,26 – 4,75: very good (4,5); the average: 3,76 – 4,25: good (4,0); the average 3,26 – 3,75: satisfactory (3,5); the average  $\leq 3,25$ : sufficient (3,0). -

Practical classes (Oral test) - The verification of the achievements of learning outcomes with respect to these classes is carried out in the framework of described above colloquia. -

#### **BASIC LITERATURE:**

1. Krysiak K., *Anatomia zwierząt domowych*, Wyd. PWN, R. 2009
2. Poplewski R., *Anatomia zwierząt*, Wyd. Spółdzielnia Wydawnicza "Czytelnik", R. 1968
3. Lutnicki W., *Zarys osteologii zwierząt domowych*, Wyd. Wydawnictwo Uniwersytetu Przyrodniczego w Lublinie, R. 2003
4. Klimov A., Akajewski A., *Anatomia zwierząt domowych*, Wyd. PWRiL, R. 1993
5. Popesko P., *Atlas anatomii topograficznej*, Wyd. PWRiL, R. 1989
6. Sobociński M., *Układ nerwowy zwierząt domowych*, Wyd. PWRiL, R. 1989
7. König H. E., *Anatomia zwierząt domowych*, Wyd. Galaktyka, R. 2006

#### **SUPPLEMENTARY LITERATURE:**

1. Dyce K.M., *Anatomia weterynaryjna*, Wyd. Elsevier, Urban,, R. 2011
2. Evans H.E., De Lahunta A., *Miller`s anatomy of the dog*, Wyd. W.B. Saunders Comp., R. 2012