
Course title: ANIMAL ANATOMY I

ECTS credit allocation (and other scores): 9

Semester: autumn

Level of study: ISCED-7- long-cycle programmes (EQF-7)

Branch of science: Agricultural sciences

Language: Polish

Number of hours per semester: 105

Course coordinator/ Department and e-mail: Prof. dr hab. Jerzy Kaleczyc , Department of Animal Anatomy, jerzy.kaleczyc@uwm.edu.pl

Type of classes: classes and lectures

Substantive content

CLASSES: The knowledge obtained during lectures is practically verified during classes using prepared specimens (bones, plastinated specimens) or during preparation of animal bodies. Contents of classes: detailed osteology considering interspecies differences; syndesmology based on the prepared specimens and preparation of joints in animals limbs; preparation of muscles of limbs and trunk.

LECTURES: The general anatomy of the skeleton and interspecies differences; general syndesmology and selected issues in the field of syndesmology; anatomy of the central nervous system; spinal nerve and the anatomy of the autonomic nervous system; selected issues in the field of myology (ingunal canal, the vagina of the rectus abdominal muscle); nerves and blood vessels of the thoracic and pelvic limb; the anatomy of the ungula; the stay apparatus of horse limbs.

Learning purpose: The aim of the education is to teach the osteology, myology, syndesmology and anatomy of the nervous system in the domestic animals.

On completion of the study programme the graduate will gain:

Knowledge: Possesses the knowledge in the field of anatomy and function of the nervous system and movement apparatus (osteology, myology and syndesmology).

Skills: Student is able to: use Polish and Latin anatomical nomenclature, recognizes particular bones and the species they belong to. Student knows: muscle origins and insertion as well as functions, the anatomy and biomechanics of particular joints, anatomy of the nervous system.

Social Competencies: Student is aware of the importance and value of the knowledge of issues of the anatomy for veterinarian and for further study of issues of both basic science and clinical trials. Adheres to ethical principles.

Basic literature: 1) Krysiak K., 2011r., "Anatomia zwierząt domowych", wyd. PWN, t.I i III, 2) Poplewski R., 1968r., "Anatomia ssaków", wyd. Spółdzielnia Wydawnicza "Czytelnik", t.I, 3) Lutnicki W. , 2003r., "Zarys osteologii zwierząt domowych", wyd. PWN, 4) Klimov A., Akajewski A. , 1993r., "Anatomia zwierząt domowych", wyd. PWRiL, t.I, 5) Popesko P. , 1989r., "Atlas anatomii topograficznej", wyd. PWRiL, 6) Sobociński M., 1989r., "Układ nerwowy zwierząt domowych", wyd. PWRiL, 7) König H. E., 2006r., "Anatomia zwierząt domowych", wyd. Galaktyka

Supplementary literature: 1) . Miller , 1993r., "Miller`s anatomy of the dog.", wyd 2) Dyce K.M., 2011r., "Anatomia weterynaryjna", wyd. Elsevier, Urban&Partner.

The allocated number of ECTS points consists of:

Contact hours with an academic teacher: 105

Student's independent work: 120