# ANATOMY OF ANIMALS (1th year)

## No. of credits 6

## Subject structure (weekly assigned hours)

| Semester | Lecture | Seminar | Practical session | Project |
|---|---|---|---|---|
| I | 2 | - | 3 | - |

## Subject status

Compulsory

## Person in charge

**Şindilar Eusebiu Viorel** DVM PhD – (Lecturer)

## Subject objectives (lectures and applications)

The Anatomy of Animals studied during the two semesters of the 1st year of study provides the structural basis for the understanding of the structure of organisms that form the object of Veterinary Medicine. The knowledge of Anatomy is essential, both to the assimilation of the other fundamental disciplines, such as Histology, Physiology and Pathologic Anatomy, and to the approach of all the clinical disciplines and of Medical Imaging, as well. Firstly, the importance of studying Anatomy results from the need to get accustomed to an efficient practical investigation of all the animal structures, both fragmentary, statically and dynamically.

The discipline mainly aims at making the student remember the issues of Clinical Anatomy (practical) and use the anatomic terminology in a correct and adequate manner, throughout his entire professional evolution.

The 1st semester covers and assimilates the locomotor system. The subject matter of this semester is structured in three large chapters: Osteology, Arthrology and Myology.

## Subject content (sylabus)

| Lectures | Hrs. |
|---|---|
| The object and systematization of the anatomy | 2 |
| Osteology | 10 |
| Arthrology | 4 |
| Myology | 10 |
| The body and butchery regions | 2 |
| | 28 |

| Practical Sessions | Hrs. |
|---|---|
| 1. The presentations of the instructions of labor protection. The body plans. The anatomic denominations.<br>***Osteology*** | 3 |
| ***2. The scapular belt in the domestic animals*** | 3 |
| ***3. The thoracic stylopodium, zeugopodium and autopodium bones in animal series*** | 3 |
| 4. The pelvic limb's bones in domestic animals | 3 |
| 5. The thrunk's bones in domestic animals | 3 |
| 6. The osseous head as a whole in domestic animals. The asseous walls of corporal cavities<br>Artrology | 3 |
| ***7. The articulations of the head, thrunk and belts*** | 3 |
| 8. The articulations of the limbs<br>***Myology*** | 3 |
| 9. The muscles of the head | 3 |
| 10. The muscles of the neck | 3 |
| 11. The muscles of the thrunk | 3 |
| 12. The muscles of the thoracic limb | 3 |
| 13. The muscles of the pelvic limb | 3 |
| 14. The body regions. The limitations of the regions on the living animal. | 3 |
| | 42 |

## Bibliography


1. K.M. Dyce, Wolfgang O. Sack, C. J. G. Wensing, *Textbook of Veterinary Anatomy*, 4th edition, Elsevier - Saunders W.B, 2009.
2. Howard E. Evans, Alexander De Lahunta, *Miller's Anatomy of the Dog*, 4th revised edition, Elsevier - Saunders W.B, 2012.
3. Klaus-Dieter Budras, W.O. Sack, Sabine Röck, Aaron Horowitz, Rolf Berg, *Anatomy of the Horse*, 6th revised edition, Schlutersche Verlagsgesellschaft, 2012.
4. Gheorghe M. Constantinescu, Oskar Schaller, *Illustrated Veterinary Anatomical Nomenclature*, 3rd Revised edition, Enke Verlag, 2011.

## Subject content knowledge (Final evaluation)

| Evaluation type | Evaluation methods | Percentage from final |
|---|---|---|
| Exam | Written | 60 % |
| Individual activity during respective semester | Oral | 20 % |
| Practical / Clinical case | Oral | 20% |

## Contact person

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