

Course Unit	Anatomy	Field of study	Veterinary Science
Bachelor in	Veterinary Nursing	School	School of Agriculture
Academic Year	2023/2024	Year of study	1
Type	Semestral	Semester	1
Workload (hours)	189	Contact hours	T - TP - PL - TC - S - E - OT - O -
		Level	1-1
		ECTS credits	7.0
		Code	9085-783-1101-00-23

T - Lectures; TP - Lectures and problem-solving; PL - Problem-solving, project or laboratory; TC - Fieldwork; S - Seminar; E - Placement; OT - Tutorial; O - Other

Name(s) of lecturer(s) Ana Raquel Dias Pereira, Paulo Jorge Pereira Afonso

### Learning outcomes and competences

At the end of the course unit the learner is expected to be able to:

1. At the end of the course unit the learner is expected to be able to: have knowledge about the morphology of the locomotor system.
2. To know the description of organs and systems of all different animals and compared anatomy of some lagomorphs, reptiles, birds and fish.
3. To have the knowledge about nervous system, circulatory, lymphatic, respiratory, digestive, reproductive, urinary, cardiac and skin of the domesticated animals.
4. To know the nomenclature of the systems of the species referred.

### Prerequisites

Before the course unit the learner is expected to be able to:  
Not applicable.

### Course contents

Osteology, arthrology and miology: study of each structure individually, localisation on the body and significant peculiar items of each; Necropsy techniques; Splanchnology and some general concepts of morphology and physiology related; Topographic anatomy of some details with practical interest.

### Course contents (extended version)

1. Digestive system of monogastric and ruminants; Respiratory system; Urinary system;
2. Male and female reproductive system;
3. The Central and Peripheral Nervous Systems.
4. Exotic animals anatomy.
5. Skin and integument
6. theoretical and practical study of osteology
7. Estudo teórico e prático de arthrology and miology.
8. Theoretical and practical study of the cardiovascular and linfatic systems

### Recommended reading

1. Colville, T. , Bassert, M. , 2016. Clinical Anatomy and Physiology for Veterinary Technicians - Text and Laboratory Manual Package. 3ª edição, Elsevier, Massachusetts, EUA, 656 pp.
2. Aspinall, V. , Cappello, M. , 2015. Introduction to Veterinary Anatomy and Physiology Textbook. 3ª edição, Elsevier Health Sciences, Massachusetts, EUA, 288 pp.
3. König, H. , Liebich, H-G. , 2014. Veterinary Anatomy of Domestic Mammals: Textbook and Colour Atlas. 6ª edição, Taylor and Francis, 824 pp.
4. Sturtz, R. , Asprea, L. , 2012. Anatomy and Physiology for Veterinary Technicians and Nurses - A Clinical Approach. Blackwell Publishing, 163 pp.
5. Barone, R. 2010. Anatomie Comparée des Mammifères Domestiques. 5ª edição, Tome 1-7, Vigot Frères, Leão, França, 761 pp.

### Teaching and learning methods

Lectures will be support by media and multimedia resources. Practical classes will engage direct working with animals, samples, models and dead bodies. Some of them will be dissection classes.

### Assessment methods

1. T -50% (3 tests 9, 5) +P- 50% (3 tests 9, 5) - (Regular, Student Worker) (Final)
2. Complete assessment (practice 50%+theoretical 50%) - (Regular, Student Worker) (Supplementary)
3. Complete assessment (practice 50%+theoretical 50%) - (Student Worker) (Special)

### Language of instruction

1. Portuguese
2. English

### Electronic validation

Ana Raquel Dias Pereira, Paulo Jorge Pereira Afonso	Álvaro Luís Pegado Lemos Mendonça	Hélder Miranda Pires Quintas	Ramiro Corujeira Valentim
15-02-2024	12-04-2024	12-04-2024	13-04-2024