INSTITUTO POLITÉCNICO DE BRAGANÇA

Course Unit	Anatomy			Field of study	Veterinary Sciences	
Bachelor in	Veterinary Nursing			School	School of Agriculture	
Academic Year	2019/2020	Year of study	1	Level	1-1	ECTS credits	7.0
Type	Semestral	Semester	1	Code	9085-408-1101-00-19	

| Workload (hours) | 189 | Contact hours | T | 30 | TP | - | PL | 45 | TC | - | S | - | E | - | OT | 20 | O | - |

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 |

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 the domesticated animals and compared anatomy of some lagomorphs, reptiles, birds and fish.
3. To have the knowledge about nervous system, circulatory, linphatic, respiratory, digestive, reproductive, urinary and endocrine 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 individualy, localisation on the body and significant peculiar items of each; Necropsy techniques; Splanchnology and some general concepts of morphology and phisiology related; Topographic anatomy of some details with practical interest.

Course contents (extended version)

1. Practice: Anatomical nomenclature. Study of bones and skeleton. Osteology.
2. Theoretical: Osteology, arthrology and miology; skin and integument; Cardiovascular system;
3. Digestive system of monogastric and ruminants; Respiratory system; Urinary system;
4. Male and female reproductive system;
5. The Central and Peripheral Nervous Systems.
6. Exotic animals anatomy.

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 dissetion classes.

Assessment methods

1. T -50% (4 tests 9, 5) +P- 50% (5 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	Álvaro Luís Pegado Lemos Mendonça	Hélder Miranda Pires Quintas	Alfredo Jorge Costa Teixeira
03-12-2019	03-12-2019	03-12-2019	05-12-2019