

ANATOMY AND PHYSIOLOGY

1	Course Title:	ANATOMY AND PHYSIOLOGY	
2	Course Code:	LVSZ103	
3	Type of Course:	Compulsory	
4	Level of Course:	Short Cycle	
5	Year of Study:	1	
6	Semester:	1	
7	ECTS Credits Allocated:	5.00	
8	Theoretical (hour/week):	2.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	2	
11	Prerequisites:	none	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Öğr. Gör. Dr. Oya GİRİŞGİN	
15	Course Lecturers:	Meslek Yüksekokulları Yönetim Kurullarının görevlendirdiği öğretim elemanları	
16	Contact information of the Course Coordinator:	Öğr.Gör.Dr. Oya Girişgin B.U.Ü. Karacabey MYO oyagirisgin@uludag.edu.tr Tel:2961644	
17	Website:		
18	Objective of the Course:	Teach fundamental anatomy and physiological terminology. To teach comparatively the anatomy and physiology of the movement, nervous, muscular, digestive, respiratory, circulatory and urogenital systems of domestic animals, their normal shape, structure, function, natural posture and their relations with neighboring organs.	
19	Contribution of the Course to Professional Development:	To be able to define the developmental and morphological parts of tissues, organs and organs related to all systems in the animal body. To be able to comprehend the morphologically defined sections functionally and to be able to comment on the structure-function relationship.	
20	Learning Outcomes:		
		1	Recognize the basic anatomical structure of animals and distinguish their organ systems.
		2	Explains the physiological processes of animals (respiration, circulation, digestion, reproduction, etc.) and understands their functioning.
		3	Contributes to diagnosis and treatment processes by using anatomy and physiology knowledge in animal health and veterinary practices.
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21	Course Content:		

Course Content:		
Week	Theoretical	Practice
1	Introduction to anatomy and general terminology. Definition and sections of the systematical anatomy and locomotor system, introduction to osteology.	Presentation of related organs in slides
2	Definition and importance of the cranium, examination of bones of the cranium in domestic mammals comparatively.	Examination of the cranial bones.
3	Definition and sections of the vertebral column, general features of the vertebra, anatomical and numerical differences between the species, definition and sections of the ribs and sternum, differences between the species and formation of the thorax.	Examination of the vertebral column, ribs and sternum.
4	Definiton of bones of the pelvic limb, formation of the pelvis, examination of the bones of the pelvic limb in domestic mammals comperatively.	Presentation of the bones of thoracic limb and the bones of pelvic limb in slides
5	Introduction to muscular system, accessory structures associated with muscles, cutaneous musculature and muscles of the head, trunk, tail and abdomen.	Presentation of the cutaneous musculature, head muscles, trunk and tail muscles in slides
6	Definiton and sections of the digestive and respiratory organs.	Presentation of the digestive and respiratory systems in slides.
7	Introduction to cardiovascular system, anatomy of heart, general knowledge about vessels. Definiton and sections of the urinary organs.	Presentation of the cardiovascular system and the urinary organs in slides.
8	Repeating courses and midterm exam	Evaluation of the exam questions
9	Definiton and sections of the male and female genital organs	Presentation of the male and female genital organs in slides.
10	Cell physiology, Blood physiology, Muscle physiology	Preparing and staining of blood samples
11	Introduction of endocrine system, reproductive physiology	Counting erythrocytes and leukocytes
12	Nervous system, classification and characteristics of nerve fibre and sensory organs	Examination of Neuromuscular slides microscopically
13	Introduction to digestive physiology, its description in herbivores, digestion of intestines	Grasping, mastication and rumination in ruminants
14	Physiology of respiratory and urologic systems	Physiological evaluation of urine.
22	Textbooks, References and/or Other Materials:	1.Bahadır A., Yıldız H., Veteriner Anatomi-Hareket Sistemi, Ezgi Kitapevi, Bursa, 2004. 2.Bahadır A., Yıldız H., Veteriner Anatomi-II, İç organlar, Ezgi Kitapevi, Bursa, 2005. 3. Yaman, K. Fizyoloji. Uludağ Üniversitesi Güçlendirme Vakfı Yayınevi, Bursa, 1999. 4. William O. Reece, (Çevirmen: Mukaddes Özcan, Ülker Çötelioglu) Evcil Hayvanların Fonksiyonel Anatomisi ve Fizyolojisi, Nobel Akademik Yayıncılık, 2012.
23	Assesment	
TERM LEARNING ACTIVITIES		NUMBE R
Midterm Exam		1
		WEIGHT
		40.00

Quiz	0	0.00
Home work-project	0	0.00
Final Exam	1	60.00
Total	2	100.00
Contribution of Term (Year) Learning Activities to Success Grade	40.00	
Contribution of Final Exam to Success Grade	60.00	
Total	100.00	
Measurement and Evaluation Techniques Used in the Course	Measurement and Evaluation are carried out in accordance with the Bursa Uludağ University Associate and Undergraduate Education Regulation Principles.	
24	ECTS / WORK LOAD TABLE	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Practicals/Labs	14	2.00	28.00
Self study and preperation	3	20.00	60.00
Homeworks	0	0.00	0.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	16.00	16.00
Others	0	0.00	0.00
Final Exams	1	20.00	20.00
Total Work Load			152.00
Total work load/ 30 hr			5.07
ECTS Credit of the Course			5.00

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	4	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0
ÖK2	4	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0
ÖK3	3	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			