

ANATOMY AND PHYSIOLOGY

1	Course Title:	ANATOMY AND PHYSIOLOGY
2	Course Code:	SBHZ105
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):	2.00
10	Laboratory (hour/week):	0
11	Prerequisites:	None
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Öğr. Gör. Dr. Oya GİRİŞGİN
15	Course Lecturers:	Prof.Dr.Selda Özbilgin
16	Contact information of the Course Coordinator:	oyagirisgin@uludag.edu.tr, 6764008-61644, U.Ü.Karacabey MYO Karacabey-Bursa
17	Website:	
18	Objective of the Course:	To teach students the normal shape, structure and natural posture of the viscera, morphological features of locomotor system, nervous system, muscular system, digestive system, respiratory system, cardiovascular system, urinary system, genital organs and the relations with neighbor organs of the domestic mammals comparatively.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	The student learns the basic anatomical terminology of veterinary medicine.
	2	The student learns the basic concepts of systematical anatomy, the domestic animal species in veterinary anatomy and their places in zoological system.
	3	The student learns basic features of locomotor system and nervous system of the domestic mammals and constant anatomical similarities and differences between them.
	4	The student learns normal position, shape, structure, natural posture of the viscera, e.g. digestive, respiratory, urinary, genital, cardiovascular organs and their relations with neighbor organs of the domestic mammals, comparatively
	5	The student learns cell and blood physiology
	6	The student learns structure and function of muscle system
	7	The student learns endocrine system and reproductive physiology
	8	The student learns structure and function of nerve system, sensory organs
	9	The student learns gastrointestinal and nutritional physiology in different species

		10	The student learns structure and function of respiratory and renal systems.		
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 cutaneus musculature, head muscles, trunk and tail muscles in slides		
6	Definition and sections of the digestive and		Presentation of the digestive and respiratory systems in		
Activites			Number	Duration (hour)	Total Work Load (hour)
Theoretical	anatomy of heart, general knowledge about blood vessels		2	2.00	28.00
Practicals/Labs			14	2.00	28.00
Self study and preperation			4	2.00	8.00
Homeworks			1	20.00	20.00
9	Definiton and sections of the male and female		0	0.00	0.00
Field Studies			4	4.00	16.00
Midterm exams			1	20.00	20.00
10	Cell physiology, Blood physiology, Muscle		0	0.00	0.00
Others			0	0.00	0.00
11	Introduction of endocrine system, Reproductive physiology		Counting erythrocytes and leukocytes	30.00	30.00
Total Work Load					170.00
12	Nervous system, classification and characteristics of nerve fibre and sensory		Examination of Neuromuscular slides more	5.00	5.00
ECTS Credit of the Course					5.00
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.		
23	Assesment				
TERM LEARNING ACTIVITIES		NUMBER	WEIGHT		

Midterm Exam	1	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		
24	ECTS / WORK LOAD TABLE	

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	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK3	3	4	0	0	0	1	0	0	0	0	0	0	0	0	0	0
ÖK4	3	3	0	0	0	2	0	0	3	0	0	0	0	0	0	0
ÖK5	1	5	0	0	0	3	0	0	4	0	0	0	0	0	0	0
ÖK6	1	4	2	0	0	3	0	0	5	0	0	0	0	0	0	0
ÖK7	2	5	0	0	4	5	0	0	3	0	0	0	0	0	0	0
ÖK8	2	3	2	0	5	4	2	0	4	0	0	0	0	0	0	0
ÖK9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low		2 low		3 Medium		4 High		5 Very High							