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, cutaneus musculature and muscles of the head, trunk, tail and abdomen.	Presentation of the cutaneus musculature, head muscles, trunk and tail muscles in slides
6	Definiton and sections of the digestive and	Presentation of the digestive and respiratory systems in
9	Definiton and sections of the male and female	Presentation of the male and female genital organs in
10	Cell physiology, Blood physiology, Muscle	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	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.

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	4	2.00	8.00
Homeworks	1	20.00	20.00
Projects	0	0.00	0.00
Field Studies	4	4.00	16.00
Midterm exams	1	20.00	20.00
Others	0	0.00	0.00
Final Exams	1	30.00	30.00
Total Work Load			170.00
Total work load/ 30 hr			5.00
ECTS Credit of the Course			5.00

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**