	ANATOMY AND F	PHYSIC	DLOGY IN FARM ANIMALS								
1	Course Title:	ANATOM	IY AND PHYSIOLOGY IN FARM ANIMALS								
2	Course Code:	ZOO240	6								
3	Type of Course:	Compuls	ory								
4	Level of Course:	First Cyc	Cycle								
5	Year of Study:	2									
6	Semester:	4									
7	ECTS Credits Allocated:	6.00	00								
8	Theoretical (hour/week):	2.00									
9	Practice (hour/week):	2.00									
10	Laboratory (hour/week):	0									
11	Prerequisites:										
12	Language:	Turkish									
13	Mode of Delivery:	Face to f	ace								
14	Course Coordinator:	Prof. Dr.	AYŞE SERBEST								
15	Course Lecturers:		NURTEN GALİP Iniv. Veteriner Fak. Anatomi A.D. A Blok Görükle Kampüsü JRSA								
16	Contact information of the Course Coordinator:	eren@uli +902242	Iniv. Veteriner Fak. Anatomi A.D. A Blok Görükle Kampüsü								
17	Website:										
17	Website: Objective of the Course:	farm anin internal c morpholo organs c cell, body explain th	the morphological characteristics of the motion systems of nals, the normal shape, structure, natural posture of organs and their relations with neighboring organs, and the ogical characteristics of circulation, nervous and sensory omparatively. Physiological concepts are to describe the y fluids, buffer systems and hormones. In addition, to ne physiology of blood and the digestive, respiratory, y, nervous, muscular and cardiovascular systems.								
		farm anir internal of morpholo organs of cell, body explain th excretory Learns th animals, the intern features compara	nals, the normal shape, structure, natural posture of organs and their relations with neighboring organs, and the ogical characteristics of circulation, nervous and sensory omparatively. Physiological concepts are to describe the y fluids, buffer systems and hormones. In addition, to ne physiology of blood and the digestive, respiratory,								
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18	Objective of the Course: Contribution of the Course to Professional Development:	farm anir internal of morpholo organs of cell, body explain th excretory Learns th animals, the intern features compara	nals, the normal shape, structure, natural posture of organs and their relations with neighboring organs, and the ogical characteristics of circulation, nervous and sensory omparatively. Physiological concepts are to describe the y fluids, buffer systems and hormones. In addition, to ne physiology of blood and the digestive, respiratory, y, nervous, muscular and cardiovascular systems. The morphological features of the movement systems of farm the normal shape, structure, natural stance and relations of hal organs with neighboring organs, and the morphological of the circulation, nervous and sensory organs tively, and an infrastructure is prepared for post-graduation on with other vocational courses.								
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18	Objective of the Course: Contribution of the Course to Professional Development:	farm anir internal c morphold organs c cell, body explain th excretory Learns th animals, the interr features compara profession 1 2 3	nals, the normal shape, structure, natural posture of organs and their relations with neighboring organs, and the ogical characteristics of circulation, nervous and sensory omparatively. Physiological concepts are to describe the y fluids, buffer systems and hormones. In addition, to ne physiology of blood and the digestive, respiratory, y, nervous, muscular and cardiovascular systems. The morphological features of the movement systems of farm the normal shape, structure, natural stance and relations of hal organs with neighboring organs, and the morphological of the circulation, nervous and sensory organs tively, and an infrastructure is prepared for post-graduation on with other vocational courses.								

7	To be able to explain the blood, functions of the blood and cardiovascular system mechanism.
8	To be able to explain digestive and respiratory events in animal species, comparatively
9	To be able to explain hormones and, nervous and muscle physiology in animals species, comparatively.
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21	Course Content:									
		Co	urse Content:							
Week	Theoretical		Practice							
1	Introduction to anatomy and terminolog definition and sections of systematic anatomy, definition and division of the locomotor system, Chondrologia,	gy,	Examination of anatomical directions, terminology and cartilages on cadavers and skeleton.							
2	Introduction to osteologia, Passive and locomotor system		Examination of passive and active locomotor system on cadavers and skeleton							
3	Body cavities, digestive system organs anatomy of farm animals	s and	Examination of c	ligestive system organ	s in cadavers					
4	Anatomy of the respiratory system and urinary system organs		Examination of r cadavers	espiratory and urinary	system organs in					
5	Anatomy of the genital system organs, Blood Circulation and Lymph Circulation Anatomy.	on		enital system organs i heart and vessels and						
6	Anatomy of the nervous system and se organs		Examination of the sensory organs in the sen	he organs of the nervo n the cadaver	us system and					
Activit	es		Number	Duration (ho	our) Total Work Load (hour)					
Theore	tical The cell and physiological events of th	e cell	14	2.00	28.00					
Practic	als/Labs		14	2.00	28.00					
Self stu	dy and preperation		12	3.00	36.00					
Homew			0	0.00	0.00					
Project	plood cells Anemias		10	0 6.00						
Field S			0	0.00	0.00					
	n exams		1	10.00	10.00					
Others	Cardioussesular sizeulation and boart		0	0.00	0.00					
Final E	atreduction to digestive system		Determination of	clotting tiggeoand bloo	d groဖျားသူ၀					
Total V	Vork Load				180.00					
Total w	Dkgloatt/o30rhans and secretions of dig	estive	Examination of p	hysical properties of ru	umin <b>a fiqu</b> id					
	Credit of the Course				6.00					
12	Overview of the digestive physiology ir ruminants The rumen papillae and absorption Digestive events in the rumen	ו	Experiment to test the liveliness of ruminal fluid and examination of protozoa							
13	Overview of the respiratory physiology respiratory organs and respiratory mechanisms Overview or the excretory physiology; functions of kidneys and renal metabol Comparison of respiratory and excreto systems in animal species	lism	Measurement of respiratory volumes and capacities with spirometer							

	systen Gener hormo specie	rvo I ne e sy e co aris ns i al i es.	us system ontraction of in anir nform s and s, Ref	stem, s syste physiction a the ne nal sp ations their c	action ology nd me ervou: ecies abou differe	the m the m tabolis and r thorm	itials a nuscle nuscle ones, n anim	and the cells, e	1.E Sis 2.E Ez 3- 4- An	<ul> <li>Experiment of spinal reflexes</li> <li>1.Bahadır A., Yıldız H., Veteriner Anatomi-Hareket Sistemi, Ezgi Kitapevi, Bursa, 2004.</li> <li>2.Bahadır A., Yıldız H., Veteriner Anatomi-II, İç organlar, Ezgi Kitapevi, Bursa, 2005.</li> <li>3- YAMAN, K. Fizyoloji. Ezgi kitabevi, Bursa, 2004.</li> <li>4- NOYAN, A. Yaşamda ve Hekimlikte Fizyoloji, Meteksan Ankara, 2005.</li> <li>5- GUYTON, AC. HALL JE. Textbook of Medical</li> </ul>									
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23 TERM L	Asses EARNI			VITIES				IUMBE	WE	IGHT									
							F	2		-									
Midtern Quiz	n Exam	1					1 0		40.										
Home v	work-pr	oie	ct				0		0.0										
Final E		0,0					1		_	60.00									
Total							2		10	100.00									
Contrib Succes			erm ()	rear) l	Learn	ing Act	ivities	to	40.	40.00									
Contrib	ution o	f Fi	inal E	xam to	Suce	cess G	rade		60.	60.00									
Total									100	100.00									
Course								d in th	ie Mu	ltiple-	choice	midterr	n and fi	nal exa	ams are	held.			
24	ECTS	5/				TAB													
25			(	CON	TRIE	SUTIO	N O			RNING OUTCOMES TO PROGRAMME									
	PC	ג	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16		
ÖK1	3		3	3	3	3	4	4	4	4	3	0	0	0	0	0	0		
ÖK2	3		3	3	3	3	3	4	4	3	3	0	0	0	0	0	0		
ÖK3	4		4	4	3	3	4	4	3	2	3	0	0	0	0	0	0		
ÖK4	4		4	4	3	3	4	4	3	4	3	0	0	0	0	0	0		
ÖK5	5		3	4	3	4	4	4	1	1	4	0	0	0	0	0	0		
ÖK6	5		4	5	4	4	4	4	1	1	4	0	0	0	0	0	0		
ÖK7	5		5	5	5	4	4	4	1	1	4	0	0	0	0	0	0		
ÖK8	5		5	5	5	4	4	4	1	1	4	0	0	0	0	0	0		

ÖK9	5	5	5	5	4	4	4	1	1	4	0	0	0	0	0	0
	LO: Learning Objectives PQ: Program Qualifications															
Contrib ution Level:	ution				2 low		3	Medi	um		4 Higl	า		5 Ver	y High	