MUSCLE PHYSIOLOGY.													
1	Course Title:	MUSCLI	E PHYSIOLOGY.										
2	Course Code:	VFZ 601	7										
3	Type of Course:	Optional	Optional										
4	Level of Course:	Third Cy	Third Cycle										
5	Year of Study:	1	1										
6	Semester:	1	1										
7	ECTS Credits Allocated:	2.00	2.00										
8	Theoretical (hour/week):	1.00	1.00										
9	Practice (hour/week):	0.00											
10	Laboratory (hour/week):	0											
11	Prerequisites:	none											
12	Language:	Turkish											
13	Mode of Delivery:	Face to	face										
14	Course Coordinator:	Prof. Dr.	NURTEN GALİP										
15	Course Lecturers:	Prof. Dr. Nurten GALİP Prof. Dr. Fahrünisa CENGİZ Prof. Dr. Cenk AYDIN Doç. Dr. Murat YALÇIN Yrd. Doç. Dr. Füsun AK SONAT											
16	Contact information of the Course Coordinator:  nurteng@uludag.edu.tr +90 224 294 1273 Uludağ Üniversitesi Veteriner Fakültesi Fizyoloji AbD Görükle Bursa 16059												
17	Website:	·	/w.veteriner.uludag.edu.tr										
18	Objective of the Course:	The gastrointestinal and nutritional physiology of different species. The respiratory, renal physiology, reproductive physiology and nerve and muscle physiology. The cardiovascular physiology. The endocrine system and its regulation. Thermoregulation, and sensory physiology											
19	Contribution of the Course to Professional Development:												
20	Learning Outcomes:												
		1	The gastrointestinal and nutritional physiology of different species										
		2	The cardiovascular physiology										
		3	Special circulations										
		4	The respiratory physiology										
		5	The renal physiology										
		6	Female reproductive physiology										
		7	Male reproductive physiology										
		The endocrine system and its regulation											

		9	Sensory physiology					
		10	Thermoregulation					
21	Course Content:							
21	Codice Content.	Co	urse Content:					
Week	Theoretical		Practice					
1	Introduction to digestive physiology,		Tactice					
	description of herbivores, omnivores carnivores terms, prehension, mastic							
	movements of esophagus, vomiting,	salivary						
	secretion, composition of saliva, cont salivary secretion, deglutition, neuron							
	control of deglution, eructation	ui .						
2	Secretory fuction of gastrointestinal tr functional anatomy of gastric secretion							
	secretion of HCI, control of gastric ac	id						
	secretion, phases and inhibition of ga secretion, liver and pancreas function							
	pancreatic exocrine secretion, biliary							
	secretion, motility of small intestine al functions of the large intestine.	na motor						
3	Digestion in the ruminant stomach,							
	development of the ruminant stomach eosophagicus, nervous control, motili							
	rumen, reticular groove, rumination,							
Activit	eructation, secretion, absorption of vo	natile	Number	Duration (hour)	Total Work			
7 (0(1)10			Trumbor	Baration (noar)	Load (hour)			
_	Paysiopathology of ruminant digestive	tract	14	4.00	56.00			
	als/Labs		14	2.00	28.00			
	and dipertion at a contraction of the contraction o	nd - f	0	0.00	0.00			
Homew			0	0.00	0.00			
	Respiration in mammals, inspiration,		0	0.00				
Field S	roapaoinoo, paninonary vormanon, oxy	9011 4114	0	0.00 15.00	0.00 15.00			
	cansonsdioxide transport, regulation of	f	2					
Others	vome		2	36.00 15.00				
Final E	rams IFunctional anatomy of kidney, renal /ork Load		1	15.00	165.00			
	mechanism or ionic reabsorption and fork load 30 hr fork load 30 hr fexcretion, measurements of renal fun				5.00			
	<u>Pexcretion, measurements of renal fun</u> Credit of the Course	ction,			2.00			
20.0	rcompounds, normonal regulation of the				12.00			
	function, renal responses to changes fluid, and electrolyte equilibrium, com							
	renal physiology, micturition, urine.							
7	Functional anatomy of reproductive o spermatogenesis, hormonal control o							
	spermatogenesis, male accessory gla	ands,						
	testicular function, erection and ejacu Reproductive hormones, ovarian func							
	reproductive cycles, puberty, estrous menstrual cycles, postpartum ovariar							
	pregnancy, the placenta, parturition	activity,						
8	Functional anatomy of cardiovascular	system,						
	properties of myocardial cells, electrophysiology of the heart,							
	cardiovascular system, regulation of theart, ECG, arterial system, capillary							
	mean, ECG, antenai system, capillary	system						

									_											
9	feta	l circu	ulation		circul	circula ation, s ation.														
10	che and	mistry acti	y, reguivity, I	ulation hypop	of ho	system, ormone cerebr and its	secre	etion												
11	calc	ium a	and sk	eletal	horm	associa ones, a organs	adrena		ıd											
12			e seci indins		of par	ncreas,														
13	hibe phys	ernatio siolog	on, bo gical re	dy ter	npera ses to	eothern ture, he heat a ature.	eat ba		,											
14						hanism d heari		e eye												
22	Textbooks, References and/or Other Materials:								2- ` 3- I Ani 4- ( ista 5- ( Els 6- ( Ru 7- ` )	1- YAMAN, K. Fizyoloji. Ezgi kitabevi, Bursa, 2004. 2- YILMAZ B. Fizyoloji. Medisan Yayınevi, Ankara, 2000. 3- NOYAN A. Fizyoloji Ders Kitabı, Meteksan Yayınevi, Ankara, 1993. 4- GUYTON AC., HALL JE. Tıbbi Fizyoloji Nobel Yayınevi, İstanbul, 2000. 5- CUNNINGHAM JG. Textbook of Veterinary Physiology, Elsevier, USA, 2002 6- CHURCH DC. Digestive Physiology and nutrition of Ruminants.Metropolitan Printing Co. Portlan, 1976 7- YILMAZ B. Hormonlar ve üreme fizyolojisi, Medisan Yayınevi, Ankara, 1999.										
23	Assesment																			
TERM L				VITIES	}		N	IUMBE	WE	IGHT										
							R													
Midterr	n Ex	am					1			30.00										
Quiz			-4				1													
Home v		-proje	eCt				0			0.00 60.00										
Total	хап						3			100.00										
Contrib			erm (\	Year) l	Learn	ing Act				40.00										
Contrib	oution	of F	inal E	xam to	Suc	cess G	rade		60.	60.00										
Total									100	100.00										
	Measurement and Evaluation Techniques Used in the Course							ie	,											
24	EC	TS/	WOI	RK L	OAD	TAB	LE													
25			(	CON	TRIE	BUTIO	N OI			ARNING OUTCOMES TO PROGRAMME QUALIFICATIONS										
		PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1	PQ11	PQ12	PQ1	PQ14	PQ15	PQ16			
ÖK1		5	4	3	3	4	5	4	4	4	4	4	4	0	0	0	0			
						l					l		l							

25		QUALIFICATIONS														
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	5	4	3	3	4	5	4	4	4	4	4	4	0	0	0	0
ÖK2	5	5	4	4	4	5	5	5	5	5	5	5	0	0	0	0
ÖK3	5	5	4	4	5	5	5	5	5	5	5	5	0	0	0	0

ÖK4	5	5	5	5	5	5	5	5	5	5	5	5	0	0	0	0
ÖK5	5	5	5	5	5	5	5	5	5	5	5	5	0	0	0	0
ÖK6	5	4	5	5	5	5	5	5	5	5	5	5	0	0	0	0
ÖK7	5	5	4	5	5	5	4	4	5	5	5	5	0	0	0	0
ÖK8	5	5	4	4	5	5	4	4	5	5	5	5	0	0	0	0
ÖK9	5	4	3	3	4	5	4	4	4	4	4	4	0	0	0	0
ÖK10	5	5	4	4	4	5	5	5	5	5	5	5	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low ution Level:				2 low		3	Medi	ium		4 Hig	h		5 Ver	y High		