EXERCISE PHYSIOLOGY										
1	Course Title:	EXERCISE PHYSIOLOGY								
2	Course Code:	VET1512								
3	Type of Course:	Optional								
4	Level of Course:	First Cycle								
5	Year of Study:	1								
6	Semester:	2								
7	ECTS Credits Allocated:	3.00								
8	Theoretical (hour/week):	2.00								
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. Murat YALÇIN								
15	Course Lecturers:									
16	Contact information of the Course Coordinator:	muraty@uludag.edu.tr								
	Coordinator.	+90 224 294 1228								
		Uludağ Üniversitesi Veteriner Fakültesi Fizyoloji AbD Görükle Bursa 16059								
47	Mahaita	hatter //www	nu vataria ar uluda a adu ta							
17	Website:	<u>'</u>	/w.veteriner.uludag.edu.tr							
18	Objective of the Course:	To learn the importance of exercise physiology in veterinary medicine To learn the control of nervous, respiratory, circulatory and hormonal system as well as muscular activity during exercise To learn nutrition and energy metabolism along with exercise tolerance during exercise								
19	Contribution of the Course to Professional Development:									
20	Learning Outcomes:									
		1	Learning importance of exercise physiology in veterinary medicine							
		2	Learning skeletal muscles and their response to exercise							
		3	Learning nervous control of movement							
		4	Learning energy metabolism							
		5	Learning respiratory system. Control of the respiratory system during exercise.							
		6	Learning circulatory system. Control of circulatory system during exercise.							
		7	Learning hormonal control system during exercise							
		8	Learning exercise dependant thermoregulation and fluid balance							
		9	Learning nutrition during exercise and exercises tolerance							
		10								
21	Course Content:									
	Course Content:									

Week	Theoretical		Practice							
1	Exercise physiology in veterinary med	dicine								
2	Skeletal muscles and exercise; Structure of skeletal muscles, muscle contraction, motor units and types of muscle fibers									
3	Skeletal muscles and exercise; Types musle contraction, response of skelat muscles during exercise, muscle fatig	al								
4	Control of movement; Nervous syster arch and involuntary movement, high nervous centers and control of muscle movement, posture, balance and volumovement	er e								
5	Energy metabolism; Energy and work energy systems, oxygen consumptior relation to energy production									
6	Energy metabolism; Energy production sport activities, recovery of muscles a exercise									
7	Exercise and respiratory system; Stru and function of respiratory system, pu ventilation, volume and capacity of lui oxygen consumption during ventilatio	ılmoner ngs,								
8	Exercise and respiratory system; Diffu and transport of gases, regulation of respiration									
Activit	Circulatory system and its harmony w es	rith		Number	Duration (hour)	Total Work Load (hour)				
Theore	exercise; Oxygen transport system			14	2.00	28.00				
Practic	ladiustment of harmones during evers als/Labs	·		0	0.00	0.00				
Self stu	adrangeesticotropic hormone,		Π	11	2.00	22.00				
Homew	lalucocarticactoroide opinophrino and /Orks	1		0	0.00	0.00				
Pr <b>ø2</b> ect	Adjustment of hormones during exerc	rise;		0	0.00	0.00				
Field S	tudies		•	0	0.00	0.00				
Midtern	Pexathsrmone, Erythropoiten, Insulin	and		1	20.00	20.00				
Others				0	0.00	0.00				
Final E	rmemoreguiation and huid balance d (aMScise	unng	Π	1	20.00	20.00				
Total W	/ork Load					110.00				
Total w	tolerance sources of energy, protein,					3.00				
ECTS (	Credit of the Course	armix				3.00				
22	Textbooks, References and/or Other Materials:		1- Ergen, E. Egzersiz Fizyolojisi. Nobel, ANKARA, 2007. 2- Çeviri: Yıldız, S. DUKES Veteriner Fizyoloji. Medipres, MALATYA, 2008. 3- Textbook of medical phsiology. Guyton AC, Hall JE. Çeviri Ed: Çavuşoğlu, H. Tıbbi Fizyoloji, W.B. Sunders Company, London, Tokyo, 10. Baskı. 1998.							
23	ssesment									
TERM L		NUMBE R	WEIGHT							
Midtern	n Exam	1	30.00							
Quiz		1	10.00							
Home v	vork-project	0	0.00							
Final E	xam	1	60.00							

Total		3	100.00
	oution of Term (Year) Learning Activitions S Grade	es to	40.00
Contrib	oution of Final Exam to Success Grade	)	60.00
Total			100.00
Measurement and Evaluation Techniques Used in the Course			
24	<b>ECTS / WORK LOAD TABLE</b>		

24 EC	13/ WURK LUAD TABLE															
25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	5	5	5	5	5	5	5	5	5	5	5	5	0	0	0	0
ÖK2	5	5	5	5	5	5	5	5	5	5	5	5	0	0	0	0
ÖK3	5	5	5	5	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	5	5	5	5	5	5	5	5	5	5	5	0	0	0	0
ÖK7	5	5	5	5	5	5	5	5	5	5	5	5	0	0	0	0
ÖK8	5	5	5	5	5	5	5	5	5	5	5	5	0	0	0	0
ÖK9	5	5	5	5	5	5	5	5	5	5	5	5	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low 2 low ution Level:				3 Medium			4 High			5 Very High						