

EXERCISE PHYSIOLOGY

1	Course Title:	EXERCISE PHYSIOLOGY
2	Course Code:	VFZ 5027
3	Type of Course:	Optional
4	Level of Course:	Second Cycle
5	Year of Study:	1
6	Semester:	1
7	ECTS Credits Allocated:	2.00
8	Theoretical (hour/week):	1.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	0
11	Prerequisites:	
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Dr. Öğr. Üyesi Füsün AK SONAT
15	Course Lecturers:	
16	Contact information of the Course Coordinator:	fusunak@uludag.edu.tr +90 224 294 12 29 Uludağ Üniv. Veteriner Fak. Fizyoloji Anabilim Dalı Bursa Turkey 16059
17	Website:	http://www.veteriner.uludag.edu.tr
18	Objective of the Course:	This course focuses on the concept of Exercise and Muscle Physiology, and Exercise of Race Horses
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	To be able to describe Exercise Physiology
	2	To be able to describe Muscle Physiology
	3	To be able to describe interaction between Exercise and Muscle Physiology
	4	To be able to describe interaction between Exercise and Circulatory Physiology
	5	To be able to describe Respiratory Physiology
	6	To be able to describe interaction between Exercise and Respiratory Physiology
	7	To be able to describe Endurance and Strength in Exercise
	8	To be able to understand the Exercise Physiology of Race Horses
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21	Course Content:	
	Course Content:	
Week	Theoretical	Practice
1	Introduction of Exercise Physiology	
2	Muscle Physiology and Exercise	
3	Muscle Physiology and Exercise	

4	Blood Physiology and Exercise	
5	Circulatory Physiology and Exercise	
6	Respiratory Physiology and Exercise	
7	Respiratory Physiology and Exercise	
8	Digestive Physiology and Exercise	
9	Energy Production and Metabolism	
10	Placement for Exercise Physiology of Nutrition	
11	Placement for Exercise Physiology of Hormones	
12	Endurance and Strength in Exercise	
13	General Physiological Information of Race Horses	
14	Exercise Physiology of Race Horses	

22	Textbooks, References and/or Other Materials:	1- Arthur CG, John EH, Guyton&Hall Tıbbi Fizyoloji, Çeviri Editörü H. Çavuşoğlu, 9. Edisyon, Nobel Tıp Kitapevleri, 1996, İstanbul. 2- Akgün N, Egzersiz Fizyolojisi. 3.baskı, Ankara, 1994. 3- Wasserman K, Hansen JE, Darryl SY, Principles of Exercise Testing and Interpretation, Whipp BJ & Casaburi R. 3th ed., Baltimore, 1999. 4- McArdle WD, Katch FI, Katch VL, Exercise Physiology, 5th ed. Baltimore, 2006 5- Thompson WR, Gordon NF, Pescatello LS, ACMS's
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Activites	Number	Duration (hour)	Total Work Load (hour)
23 Assessment			
Theoretical	14	1.00	14.00
TERM LEARNING ACTIVITIES	NUMBER	WEIGHT	
Practicals/Labs	0	0.00	0.00
Midterm Exam			
Self study and preperation	0	0.00	14.00
Homeworks	1	2.00	2.00
Home work-project	1	2.00	0.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Total			
Midterm exams	2	10.00	0.00
Others	2	10.00	20.00
Success Grade			
Final Exams	1	10.00	10.00
Total Work Load			60.00
Total work load/ 30 hr	100.00		2.00
ECTS Credit of the Course			2.00
Course			

24	ECTS / WORK LOAD TABLE
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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	5	5	5	5	5	5	5	5	5	5	5	0	0	0	0
ÖK2	5	5	4	4	5	5	5	5	5	5	5	5	0	0	0	0
ÖK3	4	4	4	4	5	4	5	4	4	4	4	4	0	0	0	0

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