

MUSCLE PHYSIOLOGY.

1	Course Title:	MUSCLE PHYSIOLOGY.
2	Course Code:	VFZ 6015
3	Type of Course:	Optional
4	Level of Course:	Third 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:	none
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. NURTEN GALİP
15	Course Lecturers:	
16	Contact information of the Course Coordinator:	nurteng@uludag.edu.tr +90 224 294 12 73 Uludağ Üniv. Veteriner Fak. Fizyoloji Anabilim Dalı Bursa Turkey 16059
17	Website:	
18	Objective of the Course:	The aim of the course is to describe and interpret the muscle physiological conditions
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	To be able to describe the muscle cells
	2	To be able to compare the muscle cells
	3	To be able to describe the muscle proteins
	4	To be able to explain the mechanism of muscle
	5	To be able to explain the muscle contraction
	6	To be able to explain the types of muscle contraction
	7	To be able to explain the summasyon and fatigue of muscle
	8	To be able to explain rigor mortis
	9	
	10	
21	Course Content:	
	Course Content:	
Week	Theoretical	Practice
1	The muscle cells	
2	The skeletal muscle The hearth muscle	

3	The smooth muscle The internal organs smooth muscles	
4	Multi unit smooth muscle	
5	Vascular smooth muscle	
6	The contraction of muscle	
7	The isometric contraction	
8	The isotonic contraction	
9	The never or ever statutes in muscle Muscular refractory period	
10	Summasyon in muscle Fatigue in skeletal muscle	
11	The muscle proteins	
12	Lifting systems of skeletal muscle	
13	The metabolism of muscle	
14	The rigidity of muscle	

22	Textbooks, References and/or Other Materials:	1- YAMAN, K. Fizyoloji. Uludağ Üniversitesi Güçlendirme Vakfı Yayınevi, Bursa, 1999. 2- YILMAZ, B. :Fizyoloji, 2000. 3- NOYAN, A. Yaşamda ve Hekimlikte Fizyoloji, Meteksan Ankara, 2005.
----	---	---

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	1.00	14.00
Midterm Exam	0	0.00	
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	1.00	14.00
Home work-project	2	2.00	
Homeworks	2	1.00	2.00
Projects	0	0.00	0.00
Total	3	10.00	
Field Studies	0	0.00	0.00
Success Exams	0	0.00	0.00
Others	2	10.00	20.00
Final Exams	1	10.00	10.00
Total	100.00		
Total Work Load			60.00
Total work load/ 30 hr			2.00
ECTS Credit of the Course			2.00

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	4	4	5	5	5	5	5	5	4	4	0	0	0	0
ÖK2	4	4	4	4	4	4	5	5	4	4	4	4	0	0	0	0
ÖK3	5	5	4	4	5	5	4	4	5	5	4	4	0	0	0	0
ÖK4	5	5	4	4	5	5	5	5	5	5	4	4	0	0	0	0

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