



AYDIN ADNAN MENDERES UNIVERSITY
GRADUATE SCHOOL OF HEALTH SCIENCES
PHYSIOLOGY
PHYSIOLOGY (MEDICAL)
PHYSIOLOGY (MEDICAL) MASTER
COURSE INFORMATION FORM

Course Title	Muscle, Metabolism and Sports Physiology								
Course Code	TFZ520	Course Level			Second Cycle (Master's Degree)				
ECTS Credit	6	Workload	156 (Hours)	Theory	3	Practice	0	Laboratory	0
Objectives of the Course	Mechanisms of movement of skeletal muscle and smooth muscles in organisms and their activities in visceral structures								
Course Content	Muscle Types Physiological Anatomy of Skeletal Muscle, Mechanism of Muscle Contraction, Molecular Basis of Contraction, Energy Source of Contraction, Rigor Mortis, Neuromuscular Conduction and Basis, Muscle Action Potential, Muscle Physiology, Molecular Basis of Muscle Contraction, Neural Muscle Junction of Muscle								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Individual Study								
Name of Lecturer(s)	Prof. Gökhan CESUR								

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading

1	Guyton, Tıbbi Fizyoloji
2	Vander, İnsan Fizyolojisi

Week	Weekly Detailed Course Contents
1	Theoretical
2	Theoretical
3	Theoretical
4	Theoretical
5	Theoretical
6	Theoretical
7	Intermediate Exam
8	Theoretical
9	Theoretical
10	Theoretical
11	Theoretical
12	Theoretical
13	Theoretical
14	Theoretical
15	Theoretical
16	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	1	28	28	56
Assignment	14	1	3	56
Reading	3	0	14	42
Midterm Examination	1	0	1	1



Final Examination	1	0	1	1
Total Workload (Hours)				156
[Total Workload (Hours) / 25*] = ECTS				6
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	
2	
3	
4	
5	

Programme Outcomes (Physiology (Medical) Master)

1	To be able to acquire a background needed for basic physiological research and having the ability to use the teoritical and practical knowledge in the field
2	To be able to prepare the article in the science of physiology
3	To be able to present papers in the field of science of physiology
4	To have professional ethics and responsibility
5	To be able to reach a level to follow research in the field, to possess written and spoken communication skills and be able to join discussions

Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2	L3	L4	L5
P1	4	3	4	5	3
P2	5	4	5	4	4
P3	4	3	4	5	5
P4	5	5	5	5	5
P5	4	4	4	3	3

