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

Course Title	The Molecular Methods in Physiological Research								
Course Code	TFZ527		Couse Level		Second Cycle (Master's Degree)				
ECTS Credit	4	Workload	104 *(Hours)*	Theory	1	Practice	2	Laboratory	0
Objectives of the Course	Information: The description to general concepts of transferring and expressing the genetic information at molecular levels, Instruction of the contemporary approaches in molecular methods, Comprehending the general and spesific protocols and terminology in molecular research, Learning the roles of studies at the level of cell, protein, DNA and RNA in physiological research.								
Course Content	The aim of this course is to teach the recording methods of bioelectrical phenomena in human and experimental animals by using electrophysiological data acquisition system.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Individual Study								
Name of Lecturer(s)									

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	
12	Theoretical	
13	Theoretical	
14	Theoretical	
15	Theoretical	
16	Final Exam	

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	1	0	14	14
Lecture - Practice	1	14	14	28
Assignment	10	0	3	30
Reading	3	0	10	30
Midterm Examination	1	0	1	1
Final Examination	1	0	1	1
			Total Workload (Hours)	104
			[Total Workload (Hours) / 25*] = **ECTS**	4

**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	5	4	5	4	4
P2	4	5	4	4	4
P3	4	4	4	4	4
P4	4	5	4	5	5
P5	4	4	4	4	4