AYDIN ADNAN MENDERES UNIVERSITY
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)	Prof. Gökhan CESUR, Prof. Recep ÖZMERDİVENLİ								

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's Without Thesis)*	
1	Has a general knowledge about the field of physiology
2	Records the interactions of systems in the normal functioning of the body
3	Has the ability to produce solutions to the deficiencies in the field
4	Has the ability to determine the deficiencies in the field by specializing in a specific subject.
5	Has the ability to comply with ethical principles

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	4	5	4	4
P2	4	4	5	4	4
P3	5	5	3	5	5
P4	5	5	3	5	3
P5	4	5	4	5	3