AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Neurophysiology and Sensory Physiology								
Course Code	TFZ506		Couse Level	Second Cycle (Master's Degree)					
ECTS Credit	6	Workload	150 *(Hours)*	Theory	2	Practice	2	Laboratory	0
Objectives of the Course	Excitation in neurons, action potential, conduction; Brain, brain stem, basal ganglia, reticular formation, lymbic system, hypothalamus, Thalamus; Cerebellum and its functions, cortex, motor and sensorial areas, learning; Motion and position controlled voluntary actions, Autonomic nervous system; Sympathic system; Parasympathic system; Receptors and sensation receptions; Skin sensations and touch, Somatic reception, mechanic reception; Pain receptors, pain treshold, pain control; The central neurophysiology of seeing; The ear and hearing, Chemical disorders.								
Course Content	To understand the mechanisms of human central nervous system, Principles of central nervous system, synaptic relations and mechanisms of action of neurotransmitters								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Individual Study								
Name of Lecturer(s)	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

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	14	14	28
Lecture - Practice	1	14	14	28
Assignment	10	3	2	50
Reading	3	0	14	42
Midterm Examination	1	0	1	1

Final Examination	1	0	1	1
			Total Workload (Hours)	150
			[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'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	5	4	5	4
P2	4	5	4	5	4
P3	4	4	3	4	3
P4	5	4	4	4	4
P5	4	4	4	4	4