



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Neurophysiology and Sensory Physiology							
Course Code		TFZ506		Course Level		Second Cycle (Master's Degree)			
ECTS Credit	6	Workload	150 (<i>Hours</i>)	Theory	2	Practice	2	Laboratory	0
Objectives of the Course		Excitation in neurons, action potential, conduction; Brain, brain stem, basal ganglia, reticular formation, limbic 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
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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)

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

