



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Advanced Sensory System							
Course Code		TFZ614		Couse Level		Third Cycle (Doctorate Degree)			
ECTS Credit	6	Workload	156 (<i>Hours</i>)	Theory	2	Practice	2	Laboratory	0
Objectives of the Course		Introduce knowledge skills about Sensory System. Present novel scientific data to participants.							
Course Content		Receptors and sensation receptions; Skin sensations and touch, Somatic reception, mechanic reception; Pain receptors, pain treashold, pain control; Headache, heat reception; Specific sensations, optic physics; The eye, retina, Refraction of the light; The central neurophysiology of seeing; Visual disorders; Sound physics, density and frequency of the sound and the ear							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, 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, Medical Physiology
2	All scientific data about the subject

Week	Weekly Detailed Course Contents	
1	Theoretical	Receptors and sensation receptions
	Practice	Receptors and sensation receptions practice
	Preparation Work	Reading
2	Theoretical	Skin sensations and touch
	Practice	Skin sensations and touch practice
	Preparation Work	Reading
3	Theoretical	Somatic reception, mechanic reception
	Practice	Somatic reception, mechanic reception practice
	Preparation Work	Reading
4	Theoretical	mechanic reception
	Practice	mechanic reception practice
	Preparation Work	Reading
5	Theoretical	Pain receptors
	Practice	Pain receptors practice
	Preparation Work	Reading
6	Theoretical	Pain receptors, pain treashold, pain control; Headache
	Practice	Pain receptors, pain treashold, pain control; Headache practice
	Preparation Work	Reading
7	Intermediate Exam	Midterm Exam
8	Theoretical	heat reception
	Practice	heat reception practice
	Preparation Work	Reading
9	Theoretical	Specific sensations
	Practice	Specific sensations practice
	Preparation Work	Reading



10	Theoretical	optic physics; The eye, retina
	Practice	optic physics; The eye, retina practice
	Preparation Work	Reading
11	Theoretical	The central neurophysiology of seeing
	Practice	The central neurophysiology of seeing practice
	Preparation Work	Reading
12	Theoretical	Sound physics and pressure
	Practice	Sound physics and pressure practice
	Preparation Work	Reading
13	Theoretical	sound and the ear
	Practice	sound and the ear practice
	Preparation Work	Reading
14	Final Exam	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	2	42
Lecture - Practice	14	1	2	42
Assignment	10	6	1	70
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	To be able to recognize the importance of advanced sensory physiology
2	To be able to evaluate the relationship between other systems
3	To be able to investigate physiopathological symptoms about the subject
4	Interpret general principals about the subject
5	

Programme Outcomes (Physiology (Medical) Doctorate)

1	Has a deep and broad knowledge about the field and the interdisciplinary area related with the field through the achievements gained in undergraduate and professional levels.
2	Has the knowledge to create original ideas, analyze them and develop definition/product/diagnosis methods by using the knowledge gained in undergraduate and/or professional experience, when needed.
3	To learn the laws and regulations both national and international in the field of physiology.
4	To gain ability to apply the principles and fundamentals of scientific ethical rules.
5	Implements and defends institutional and practical information and abilities in accordance with the needs of the country and the world, and changes when necessary.

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

