



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Cognitive Neurophysiology							
Course Code		TFZ622		Course Level		Third Cycle (Doctorate Degree)			
ECTS Credit	6	Workload	156 (<i>Hours</i>)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		Giving information about Cognitive Neurophysiology. Introduce knowledge skills . Present novel scientific data to participants.							
Course Content		Cerebral asymmetry, visual-spatial mechanisms of the brain, language processes, neural underpinnings of memory, integration of interhemispheric processes, basics of cognitive disturbances. Discussing cognitive functions of the brain, Science based thinking about cognitive functions							
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	Cerebral asymmetry, visual-spatial mechanisms of the brain, language processes 1
	Preparation Work	Reading
2	Theoretical	Cerebral asymmetry, visual-spatial mechanisms of the brain, language processes 2
	Preparation Work	Reading
3	Theoretical	Cerebral asymmetry, visual-spatial mechanisms of the brain, language processes 3
	Preparation Work	Reading
4	Theoretical	neural underpinnings of memory
	Preparation Work	Reading
5	Theoretical	To know mechanisms of lingual aspects
	Preparation Work	Reading
6	Preparation Work	Reading
7	Intermediate Exam	Midterm Exam
8	Preparation Work	Reading
9	Theoretical	Discussing cognitive functions of the brain 1
	Preparation Work	Reading
10	Theoretical	Discussing cognitive functions of the brain 2
	Preparation Work	Reading
11	Theoretical	cognitive functions 1
	Preparation Work	Reading
12	Theoretical	Science based thinking about cognitive functions 1
	Preparation Work	Reading
13	Theoretical	Science based thinking about cognitive functions 2
	Preparation Work	Reading
14	Final Exam	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	2	42



Assignment	10	6	1	70
Reading	14	2	0	28
Individual Work	14	1	0	14
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 Cognitive Neurophysiology
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	5	4	5	5	5
P2	5	4	4	4	5
P3	5	3	5	4	5
P4	5	4	5	4	5
P5	4	3	5	5	5

