



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Evoked and Event Related Potentials							
Course Code		TFZ623		Course Level		Third Cycle (Doctorate Degree)			
ECTS Credit	6	Workload	156 (<i>Hours</i>)	Theory	1	Practice	2	Laboratory	0
Objectives of the Course		Giving information about Evoked and Event Related Potentials. Introduce knowledge skills . Present novel scientific data to participants.							
Course Content		Basics of the EEG signal ELectionphysiological recording materials Evoked and event related potential basics and experimental designs EEG recording data analysis, Giving students the knowledge and skills for using evoked and event related potential technics in research environments.							
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	Practice	EEG practice
	Preparation Work	Reading
2	Theoretical	Basics of the EEG signal
	Practice	Basics of the EEG signal
	Preparation Work	Reading
3	Theoretical	ELectionphysiological recording material
	Practice	ELectionphysiological recording material practice
	Preparation Work	Reading
4	Practice	ERP practice
	Preparation Work	Reading
5	Theoretical	Evoked and event related potential basics
	Practice	Evoked and event related potential basics practice
	Preparation Work	Reading
6	Theoretical	ERP recording data analysis
	Practice	ERP recording data analysis practice
	Preparation Work	Reading
7	Intermediate Exam	Midterm Exam
8	Theoretical	ERP data analysis
	Practice	ERP data analysis practice
	Preparation Work	Reading
9	Theoretical	Giving students the knowledge and skills for using evoked and event related potential technics in research environments 1
	Practice	Giving students the knowledge and skills for using evoked and event related potential technics in research environments 1 practice
	Preparation Work	Reading



10	Theoretical	Giving students the knowledge and skills for using evoked and event related potential technics in research environments 2
	Practice	Giving students the knowledge and skills for using evoked and event related potential technics in research environments 2 practice
	Preparation Work	Reading
11	Theoretical	Giving students the knowledge and skills for using evoked and event related potential technics in research environments 3
	Practice	Giving students the knowledge and skills for using evoked and event related potential technics in research environments 3 practice
	Preparation Work	Reading
12	Theoretical	Giving students the knowledge and skills for using evoked and event related potential technics in research environments 4
	Practice	Giving students the knowledge and skills for using evoked and event related potential technics in research environments 4 practice
	Preparation Work	Reading
13	Theoretical	Giving students the knowledge and skills for using evoked and event related potential technics in research environments 5
	Practice	Giving students the knowledge and skills for using evoked and event related potential technics in research environments 5 practice
	Preparation Work	Reading
14	Final Exam	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	1	28
Lecture - Practice	14	1	2	42
Assignment	10	6	1	70
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 Evoked and Event Related Potentials
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	4	5	5	4
P2	4	5	5	5	4
P3	4	4	5	5	4
P4	4	5	5	5	4



P5	4	5	5	5	5
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