AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Research Methods in Neurophysiology						
Course Code	TFZ615		Couse Level	Third Cycle (Doctorate Degree)			
ECTS Credit	6	Workload	156 *(Hours)*	Theory	2	Practice	2	Laboratory	0
Objectives of the Course	Giving information about Research Methods in Neurophysiology. Introduce knowledge skills . Present novel scientific data to participants.						
Course Content	Electrical phenomenons related with physiological functions; The electrocardiogram; The electroencephalogram; The electrocorticogram; The electromyogram; The electroretiogram.						
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	Electrical phenomenons related with physiological functions 1
	Practice	Electrical phenomenons related with physiological functions 1 practice
	Preparation Work	Reading
2	Theoretical	Electrical phenomenons related with physiological functions 2
	Practice	Electrical phenomenons related with physiological functions 2 practice
	Preparation Work	Reading
3	Theoretical	Electrical phenomenons related with physiological functions 3
	Practice	Electrical phenomenons related with physiological functions 3 practice
	Preparation Work	Reading
4	Theoretical	Electrical phenomenons related with physiological functions 4
	Practice	Electrical phenomenons related with physiological functions 4 practice
	Preparation Work	Reading
5	Theoretical	The electrocardiogram 1
	Practice	The electrocardiogram 1 practice
	Preparation Work	Reading
6	Theoretical	The electrocardiogram 2
	Practice	The electrocardiogram 2 practice
	Preparation Work	Reading
7	Intermediate Exam	Midterm Exam
8	Theoretical	The electroencephalogram
	Practice	The electroencephalogram pratice
	Preparation Work	Reading
9	Theoretical	The electroencephalogram 2
	Practice	The electroencephalogram 2 pratice
	Preparation Work	Reading
10	Theoretical	The electroencephalogram
	Practice	The electroencephalogram practice
	Preparation Work	Reading

11	Theoretical	The electroencephalogram
	Practice	The electroencephalogram practice
	Preparation Work	Reading
12	Theoretical	The electromyogram
	Practice	The electromyogram practice
	Preparation Work	Reading
13	Theoretical	The electroretiogram
	Practice	The electroretiogram 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 neurophysiological research methods
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	4	3
P2	5	4	4	4	3
P3	4	4	4	4	5
P4	4	4	5	5	4
P5	4	5	5	5	4