

Vocational School / Electroneurophysiology

2024 - 2025 Academic Year

ELECTROENCEPHALOGRAPHY I

Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
ELECTROENCEPHALOGRAPHY I	EFZ2116390	Fall Semester	2+0	2	5
Prerequisites Courses					
Recommended Elective Courses					
Language of Instruction	Turkish				
Course Level	Short Cycle (Associate's Degree)				
Course Type	Required				
Course Coordinator	Assoc.Prof. Özge ARICI DÜZ				
Name of Lecturer(s)	Assoc.Prof. Nesrin HELVACI YILMAZ				
Assistant(s)					
Aim	Aim of the course is to learn description, recording and purpose of using of electroencephalography (EEG)				
Course Content	This course contains; 1st week: General principles about electric,2nd week: Part of the EEG machine,3rd week:Preparing the patient and questioning of patient before the EEG recording,4th week:placement of EEG electrodes,5th week: EEG recording and montages,6th week: Artefacts,7th week: Hiperventilation,8th week: Fotic stimulation,9th week:Routine EEG recording,10th week: EEG with sleep deprivation,11th week: sleep and EEG,12th week:other activations methods,13th week: age and EEG,14th week:Pathologic EEG.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
3) To define of the EEG recording parameters			16, 6, 9	A	
1. To define EEG, its application, and its purpose of using			16, 9	A	
2. To prepare the patient for EEG recording			16, 8, 9	A	
3. EEG recording			16, 6, 9	A	
Teaching Methods	16: Question - Answer Technique, 6: Experiential Learning, 8: Flipped Classroom Learning, 9: Lecture Method				
Assessment Methods	A: Traditional Written Exam				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	1st week: General principles about electric				
2	2nd week: Part of the EEG machine				
3	3rd week:Preparing the patient and questioning of patient before the EEG recording				
4	4th week:placement of EEG electrodes				
5	5th week: EEG recording and montages				
6	6th week: Artefacts				
7	7th week: Hiperventilation				
8	8th week: Fotic stimulation				
9	9th week:Routine EEG recording				
10	10th week: EEG with sleep deprivation				
11	11th week: sleep and EEG				
12	12th week:other activations methods				
13	13th week: age and EEG				
14	14th week:Pathologic EEG				
Evaluation Methods		Weight(%)			
Midterm Exam		40			
General Exam		60			
Resources					
Instructor's lecture notes					