

Vocational School / Audiometry
2024 - 2025 Academic Year
HEARING and ITS MEASUREMENT II
Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
HEARING and ITS MEASUREMENT II	ODY2213743	Spring Semester	2+4	4	6
Prerequisites Courses					
Recommended Elective Courses					
Language of Instruction	Turkish				
Course Level	Short Cycle (Associate's Degree)				
Course Type	Required				
Course Coordinator	Prof.Dr. Erol BELGİN				
Name of Lecturer(s)	Lect. Kerem ERSİN				
Assistant(s)					
Aim	In the structures related to hearing; It is aimed to learn the tests, diagnosis and intervention in advanced cases of auditory diseases in cells, tissues, organs and nerve pathways.				
Course Content	This course contains; ABR testing, Masking in ABR testing, ASSR testing, AMLR testing, ALLR testing, P300 testing, Mismatch Negativity testing, Advance masking methods 1, Advance masking methods 2, Speech test in noise, Functional hearing loss, SISI, Tone decay, refleks decay testing, Masking procedure speech testings, Associating subjective auditory tests with objective tests.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
Lists electrophysiological test methods.			16, 4, 9	A	
Recognises auditory middle latency and late latency responses.			13, 16, 4, 9	A	
Applies masking procedures in complicated cases.			13, 16, 4, 8, 9	A	
Gürültüde konuşma testlerini ifade eder.			13, 16, 4, 9	A	
Be able to distinguish patient with functional hearing loss			13, 16, 4, 9	A	
Teaching Methods	13: Case Study Method, 16: Question - Answer Technique, 4: Inquiry-Based Learning, 8: Flipped Classroom Learning, 9: Lecture Method				
Assessment Methods	A: Traditional Written Exam				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	ABR testing	No preparation			
2	Masking in ABR testing	Preparation of the related subject from the recommended sources			
3	ASSR testing	Preparation of the related subject from the recommended sources			
4	AMLR testing	Preparation of the related subject from the recommended sources			
5	ALLR testing	Preparation of the related subject from the recommended sources			
6	P300 testing	Preparation of the related subject from the recommended sources			
7	Mismatch Negativity testing	Preparation of the related subject from the recommended sources			
8	Advance masking methods 1	Preparation of the related subject from the recommended sources			
9	Advance masking methods 2	Preparation of the related subject from the recommended sources			
10	Speech test in noise	Preparation of the related subject from the recommended sources			
11	Functional hearing loss	Preparation of the related subject from the recommended sources			
12	SISI, Tone decay, refleks decay testing	Preparation of the related subject from the recommended sources			
13	Masking procedure speech testings	Preparation of the related subject from the recommended sources			
14	Associating subjective auditory tests with objective tests	Preparation of the related subject from the recommended sources			
Evaluation Methods		Weight(%)			
Midterm Exam		40			
General Exam		60			

Resources
Powerpoint presentations and word files Basic Audiology, Editor: Erol Belgin, 1st Edition 2015, (Pages 69-112, 191,243) Audiology Clinical Practice Protocols, Editors: Gonca Sennaroğlu, Esra Yücel, Meral Didem Türkyılmaz, Betül Çiçek Çınar, Merve Batuk, 2018, (Pages 1-9, 41-50) Tests, Diagnosis and Treatment of Hearing Loss, Editor: Bülent Şerbetçioğlu, 2021, (Pages 113-166, 183-242) Handbook of clinical audiology, Translation editor: Bülent Gündüz, 7th Edition 2022, (Pages 3-119, 137-186)