

**Vocational School / Audiometry**  
**2024 - 2025 Academic Year**  
**HEARING AIDS and EARMOLDS II**  
**Syllabus**

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
HEARING AIDS and EARMOLDS II	ODY2213739	Spring Semester	2+2	3	6
<b>Prerequisites Courses</b>					
<b>Recommended Elective Courses</b>					
<b>Language of Instruction</b>	Turkish				
<b>Course Level</b>	Short Cycle (Associate's Degree)				
<b>Course Type</b>	Required				
<b>Course Coordinator</b>	Lect. Caner YATMAZ				
<b>Name of Lecturer(s)</b>	Lect. Handan YAMAN				
<b>Assistant(s)</b>					
<b>Aim</b>	Selection, adjustment and application of electronic devices that can help hearing loss patients in different age groups understands and applies the principles.				
<b>Course Content</b>	This course contains; Ear print taking process, Ear Mold and modifications, Earmold acoustics and technology, Real ear measurements in hearing aids - REUG, Real ear measurements in hearing aids - REOG, Real ear measurements in hearing aids - REAR/REİG, Real ear measurements in hearing aids - RECD, Bone anchored hearing aids, cochlear implant, Middle ear and Brainstem implants, What is SUT, SUT in hearing aid, Hearing assistive devices, Instrumentation in special cases I, Instrumentation in special cases II.				
<b>Course Learning Outcomes</b>			<b>Teaching Methods</b>	<b>Assessment Methods</b>	
You can take ear impressions and request a mold suitable for acoustic modification.			9	A	
It uses the real ear measurement method when applying a hearing aid.			16, 9	A	
Learns about SUT and explains it to patients.			16, 9	A	
Uses datasheet in hearing aid control and applies HIT measurements.			16, 9	A	
Can amplify in special cases.			16, 9	A	
List the auditory implant and its general features.			16, 9	A	
Knows hearing aid devices. Can make recommendations to appropriate patient groups.			16, 9	A	
<b>Teaching Methods</b>	16: Question - Answer Technique, 9: Lecture Method				
<b>Assessment Methods</b>	A: Traditional Written Exam				
<b>Lecture Schedule</b>					
<b>Sequence</b>	<b>Topics</b>	<b>Preliminary Preparation</b>			
1	Ear print taking process	No preparation			
2	Ear Mold and modifications	Preparation of the related subject from the recommended sources			
3	Earmold acoustics and technology	Preparation of the related subject from the recommended sources			
4	Real ear measurements in hearing aids - REUG	Preparation of the related subject from the recommended sources			
5	Real ear measurements in hearing aids - REOG	Preparation of the related subject from the recommended sources			
6	Real ear measurements in hearing aids - REAR/REİG	Preparation of the related subject from the recommended sources			
7	Real ear measurements in hearing aids - RECD	Preparation of the related subject from the recommended sources			
8	Bone anchored hearing aids	Preparation of the related subject from the recommended sources			
9	cochlear implant	Preparation of the related subject from the recommended sources			
10	Middle ear and Brainstem implants	Preparation of the related subject from the recommended sources			
11	What is SUT, SUT in hearing aid	Preparation of the related subject from the recommended sources			
12	Hearing assistive devices	Preparation of the related subject from the recommended sources			
13	Instrumentation in special cases I	Preparation of the related subject from the recommended sources			
14	Instrumentation in special cases II	Preparation of the related subject from the recommended sources			
<b>Evaluation Methods</b>		<b>Weight(%)</b>			
Midterm Exam		40			
General Exam		60			

Resources
Powerpoint presentations and word files 1) Temel Odyoloji, Editör: Erol Belgin ve Sanem Şahlı, Güven Kitabevi, 2014. 2) Otoloji ve Nöro-otoloji, Editör: Onur Çelik, Cilt 1 ve 2, 2013. 4) Kulak Burun Boğaz Hastalıkları ve Baş ve Boyun Cerrahisi, Editör: Onur Çelik, 2. Baskı, 2009 3) The Hearing Sciences. Teri A. Hamill, Lloyd L. Price, Plural Publishing, 2008. 5) Textbook of Audiological Medicine: Clinical Aspects of Hearing and Balance. Editör: Linda M. Luxon, Joseph M. Furman, Informa Health Care, 2003 6) Kulak Burun Boğaz Hastalıkları ve Baş-Boyun Cerrahisi. Editör: C.Koç Güneş Kitabevi, 2004. 7) Handbook of Clinical Audiology, Editör: Katz Jack, 6th ed, Wolters Kluwer Health/Lippincott Williams & Wilkins, 2009.