



Jordan University of Science and Technology
Faculty of Applied Medical Sciences
Audiology & Speech Pathology Department

AS463 Cochlear Implant Practical

First Semester 2023-2024

Course Catalog

1 Credit Hours. In this course you will be provided with the basic practical knowledge of cochlear implants that will allow you to know and understand the basic components of the device, candidacy criteria, hearing evaluation battery tests, and cochlear implant mapping and adult rehabilitations.

Teaching Method: On Campus

Text Book

Title	Cochlear Implants Fundamentals and Applications
Author(s)	Graeme C.
Edition	2nd Edition
Short Name	Ref#1
Other Information	

Instructor

Name	Dr. Hana' ALMohammad
Office Location	-
Office Hours	
Email	haalmohammad8@just.edu.jo

Class Schedule & Room

Section 1:
Lecture Time: Thu : 09:30 - 11:30
Room: HOSPITAL

Tentative List of Topics Covered

Weeks	Topic	References
Week 1	Orientation	From Ref#1
Weeks 2, 3	Hearing tests for candidates/ adults	From Ref#1
Week 4	Hearing tests for candidates children	From Ref#1
Week 5	Med-EL components	From Ref#1
Week 6	Advanced bionic components	From Ref#1
Weeks 7, 8	Mapping and programming/ cochlear	From Ref#1
Weeks 9, 10	Mapping and programming /Med-el	From Ref#1
Week 11	Mapping and programming/ Advanced Bionic	From Ref#1
Week 12	Initial CI activation/ Auditory training	From Ref#1

Mapping of Course Outcomes to Program Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Become familiar with cochlear components for different manufacturers.	20%	
Discuss the essential mapping/programming/processing parameters of each manufacturer.	20%	
Become familiar with CI manufacturers.	20%	
Outline the clinical steps in completing an initial CI activation and basic mapping principles.	20%	
Apply the clinical steps in completing an initial CI activation and basic mapping principles.	20%	

Relationship to Program Student Outcomes (Out of 100%)					
PLO1	PLO2	PLO3	PLO4	PLO5	PLO6

Evaluation	
Assessment Tool	Weight
Ongoing lab assessment	30%
Midterm Exam	20%
Final Exam	50%

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