



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

AS461 Cochlear Implant

First Semester 2023-2024

Course Catalog

1 Credit Hours. In this course you will be provided with the basic knowledge of cochlear implants that will allow you to know, what a cochlear implant is, and to understand the basic components of the device, candidacy criteria, battery of testing used for hearing evaluation, and cochlear implant mapping.

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: Sun : 09:30 - 10:30
Room: SF11

Prerequisites		
Line Number	Course Name	Prerequisite Type
1143622	AS362 Hearing Aids	Prerequisite / Study

Tentative List of Topics Covered		
Weeks	Topic	References
Week 1	Introduction	From Ref#1
Week 2	Basic anatomy and physiology	From Ref#1
Week 3	CI team	From Ref#1
Week 4	Audiological assessment of adult patients	From Ref#1
Week 5	Audiological assessment of children	From Ref#1
Week 6	Medical and surgical considerations	From Ref#1
Week 7	CI surgery	From Ref#1
Week 8	CI components	From Ref#1
Weeks 9, 10	CI programming	From Ref#1
Weeks 11, 12, 13	CI Manufacturers	From Ref#1
Week 14	Review and case studies	From Ref#1

Mapping of Course Outcomes to Program Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Understand cochlear implant function	20%	
Become familiar with cochlear implant components	20%	
Become familiar with CI manufacturers	20%	
Properly provide counseling for CI patients	20%	
Outline 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
Midterm Exam	40%
Quizzes	10%

Final Exam	50%
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Date Printed: 2024-03-30