



COURSE SPECIFICATION

Faculty of Medicine– Mansoura University

(A) Administrative information

(1) Programme offering the course.	MD Audiology
(2) Department offering the programme.	ENT/ Audiology unit
(3) Department responsible for teaching the course.	Audiology unit
(4) Part of the programme.	Second part
(5) Date of approval by the Department's council	6-8-2016
(6) Date of last approval of programme specification by Faculty council	9-8-2016
(7) Course title.	Advanced Auditory Rehabilitation, Hearing Aids and Cochlear implants
(8) Course code.	AUDI 624 AR
(9) Total teaching hours.	١٢٠ clinical + 120 theoretical = 240

(B) Professional information

(1) Course Aims.

The broad aims of the course are as follows: (either to be written in items or as a paragraph)

The aim of this course is to provide the postgraduate student with the advanced medical knowledge and skills essential for the mastering of the practice of Rehabilitation specialty through providing:

1. Recent scientific knowledge essential for the mastery of practice of Rehabilitation according to the international standards
2. Leadership skills, problem solving strategies.
3. Clinical experience within department clinics as well as clinical sites outside the university.
4. Linking teaching with research

(2) Intended Learning Outcomes (ILOs):

Intended learning outcomes (ILOs); Are four main categories: knowledge & understanding to be gained, intellectual qualities, professional/practical and transferable skills.

On successful completion of the course, the candidate will be able to:

A- Knowledge and Understanding

By the end of the program the Graduate should be able to:

A3	Recognize recent advances in rehabilitation of auditory (hearing aids and cochlear implants) and vestibular disorders
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B- Intellectual skills

By the end of the program the Graduate should be able to:

B9	Invent new technologies for rehabilitation
B11	Design and manage plan for management.
B12	Plan to improve performance in the field of Audiology
B13	Conduct research studies and criticize researches that add to knowledge.

C- Professional/practical skills

By the end of the program the Graduate should be able to:

C6	Conduct researches
C9	Identify different component of hearing aids
C10	Selection & verification of hearing aids
C11	Fitting & programing of different hearing aids
C12	Identify different assistive listening devices
C13	Identify component & strategies of cochlear implants
C14	Select candidate for cochlear implants
C15	Mapping different cochlear implants

D- Communication & Transferable skills

By the end of the program the Graduate should be able to:

D1	Use different sources for information and knowledge
D2	Lead team work.
D3	Manage time and prioritize work loads.
D4	Acquire self- and long life-learning
D5	Use standard computer programs for statistical analysis effectively .
D6	Teaching and evaluation skills as senior staff.

(3) Course content:

Subjects	Lectures	Clinical	Laboratory	Field	Total Teaching Hours
<p style="text-align: center;"><u>Hearingaids:</u></p> <ul style="list-style-type: none"> • Components • Types • Electroacoustic characteristics. • Preselection, selection and verification. • Counseling. • Recent technology. • Assistive listening devices 	6 6 8 10 4 8 3	5 10 15 21 7 7 5			
<p><u>Cochlear implants(C.I)</u></p> <ul style="list-style-type: none"> • Components and strategies. • Candidates. • Mapping. • Rehabilitation • Surgical approach for C.I 	6 4 8 6 6	4 3 5 6 6			
<p><u>Rehabilitation of hearing impaired</u></p> <p>Terms and definitions</p>	4				
Evaluation of adults versus children	6	13			

Hearing loss consequences	2				
Language rehabilitation	6	14			
Oral: auditory training.					
Speech reading.	4				
Verbotonal methods	4				
Manual:					
Sign language.	4				
Finger spelling	4				
Educational rehabilitation.	6				
	120	120			240

(4) Teaching methods:

- 4.1: Lectures
- 4.2: Practical lessons
- 4.3: Discussions
- 4.4: Assignments

(5) Assessment methods:

- 5.1: Written Exam to assess knowledge & intellectual skills
- 5.2: MCQ Exam to assess knowledge & intellectual skills
- 5.3: OSCE Exams to assess Practical skills, intellectual skills and communication skills
- 5.4: Structured oral Exams to assess knowledge

Assessment schedule:

Assessment 1: Written Exams Short essay Week: 76-78

Assessment 2: OSCE Exams Week 78-80

Assessment 3: Structured oral Exams Week 78-80

Percentage of each assessment to the total mark.

Written exam: 96 degrees

MCQ exam: 24 degrees

OSCE exam: 100 degrees

Structured oral exam: 100 degrees

Other assessment without marks.

Logbook to assess Practical skills

Research assignment to assess general transferable skills, intellectual skills.

(6) References of the course.

6.1: Hand books:

- Hand book of clinical Audiology (Katz).
- Introduction to Audiology (Martin)
- Audiology diagnosis

6.2: Text books:

- Auditory Brainstem Response (Jacobson).
- Central auditory dysfunction (Bellis)
- Valente (Hearing aids).

6.3: Journals: American Journal of Audiology

6.4 Websites: :

- Audiology online
- ASHA
- ANSI

(7) Facilities and resources mandatory for course completion.

- Teaching places (teaching class, teaching halls, teaching laboratory).
- Teaching tools: including screens, computers including CD, data show, projectors, flip charts, white boards, video player, digital video camera, scanner, copier and laser printers

Course coordinator:

Head of the department:

Date:

P.S. This specification must be done for each course.