



COURSE SPECIFICATION

Faculty of Medicine– Mansoura University

(A) Administrative information

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|---|---|
| (1) Programme offering the course. | MASTER 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. | Basics of auditory rehabilitation, hearing aids and cochlear implants |
| (8) Course code. | AUDI 524 AR |
| (9) Total teaching hours. | 120 clinical + 90 theoretical = 210 |

(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)

This course aims at providing participants with the knowledge and basic skills related to rehabilitation specialty, as well as motivating them for research and positively changing their attitude to improve the outcome of the educational process.

(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 study of Master Program in Audiology the Graduate should be able to:

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|-----|--|
| A 3 | Recognize types, selection and technology of hearing aids. |
| A3a | List components of cochlear implants and enumerate its candidate |
| A3b | Explain different methods of rehabilitation of hearing impaired. |

B- Intellectual skills

By the end of the study of Master Program in Audiology the Graduate should be able to:

| | |
|------|--|
| B9 | Prevent the onset and minimize the development of communication disorders through appropriate rehabilitation |
| B 10 | Conduct a research study and / or write a scientific study on a research. |

C- Professional/practical skills

By the end of the study of Master Program in Audiology the Graduate should be able to:

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|-----|--|
| 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 |
| C16 | Conduct researches |

D- Communication & Transferable skills

By the end of the study of Master Program in Audiology the Graduate should be able to:

| | By the end of the study of Master Program in Audiology the Graduate should be able to: |
|-------------|--|
| D 1 | Use standard computer programs for statistical analysis effectively. |
| D 2 | Utilize computers in conducting researches |
| D 3 | Analyze and interpret data. |
| D 4 | Use different sources to obtain information and knowledge |
| D 5 | Manage time and prioritize work loads. |
| D6 | Think independently, set tasks and solve problems on scientific basis. |
| D7 | Work in teams effectively. |
| D8 | Collaborate and communicate with others positively. |
| D9 | Acquire self- and long life-learning. |
| D 10 | Use different sources to obtain information and knowledge |
| D 11 | Acquire self- and long life-learning. |

5) Course content

| Subjects | Lectures | Clinical | Laboratory | Field | Total Teaching Hours |
|---|----------|----------|------------|-------|----------------------|
| Hearing aids: | | | | | |
| Components | | | | | |
| • Types | 3 | 8 | | | |
| • Electroacoustic characteristics. | 7 | 8 | | | |
| • Preselection, selection and verification. | 7 | 8 | | | |
| • Counseling. | 4 | 8 | | | |
| • Recent technology. | 6 | 12 | | | |
| • Assistive listening devices | 6 | 8 | | | |
| Cochlear implants: | | | | | |
| • Components and strategies. | 6 | 8 | | | |
| • Candidates. | 5 | 8 | | | |
| • Mapping. | 6 | 8 | | | |
| Rehabilitation | 7 | 8 | | | |
| Rehabilitation of hearing impaired: | | | | | |
| Terms and definitions | 3 | | | | |
| Evaluation of adults versus | 5 | 4 | | | |

| | | | | | |
|--------------------------------|-----|-----|--|--|-----|
| Children | | | | | |
| Hearing loss consequences | 4 | 8 | | | |
| Language rehabilitation | | | | | |
| Oral: auditory training. | 6.5 | 4 | | | |
| Speech reading. | 4 | 4 | | | |
| Verbotonal methods | 3.5 | 4 | | | |
| Manual: | | | | | |
| Sign language. | 2.5 | 4 | | | |
| Finger spelling | 2.5 | 4 | | | |
| Educational rehabilitation. | 4 | 4 | | | |
| | 90 | 120 | | | 210 |

(5) Teaching methods:

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

(6) Assessment methods:

- 5.1: Written exam for assessment of knowledge & intellectual skills
- 5.2: MCQ exam for assessment of knowledge & intellectual skills
- 5.3: Structured oral Exams to assess knowledge, intellectual skills & communication
- 5.4: OSCE exam to assess practical skills, intellectual skills & communication

Assessment schedule:

Assessment 1: Written Exam Week: 56-58

Assessment 2: MCQ exam week: 56-58

Assessment 3: Structured oral Exam Week 58-60

Assessment 4: OSCE Exam Week 58-60

Percentage of each Assessment to the total mark.

Written exam : 120 degrees

MCQ exam: 30 degrees

Structured oral exam: 75 degrees

OSCE exam: 75 degrees

(7) References of the course.

6.1. Text books.

Hand book of clinical Audiology (Katz).

Introduction to Audiology (Martin)

Valente (Hearing aids).

Terris Bellis (central)

6.2: Journals... American Journal of Audiology

6.3: Websites:

- Audiology online
- ASHA
- ANSI

(8) Facilities and resources mandatory for course completion.

- a. Teaching places (teaching class, teaching halls, teaching laboratory).
- b. 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.