



## COURSE SPECIFICATION

Faculty of Medicine– Mansoura University

### (A) Administrative information

(1) Programme offering the course.	Master of Audiology
(2) Department offering the programme.	ENT /audiology unit
(3) Department responsible for teaching the course.	Physiology departement
(4) Part of the programme.	First 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.	Applied Physiology
(8) Course code.	AUDI 503
(9) Total teaching hours.	7.5

**(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 physiology 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:

A1a	Recognize the physiology and pathophysiology of the peripheral and central auditory system.
A2a	Recognize physiology and pathophysiology of the peripheral and central vestibular system.
A11a	Explain theories of hearing.

### B- Intellectual skills

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

B1	Integrate basic anatomical and physiological knowledge with clinical data
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**(3) Course content:**

Subjects	Lectures	Clinical	Laboratory	Field	Total Teaching Hours
<b>A. Physiology of hearing:</b> External ear function. Middle ear: <ul style="list-style-type: none"> <li>• Contents.</li> <li>• Function, impedance transformer action.</li> <li>• Acoustic reflex.</li> </ul> Inner ear: <ul style="list-style-type: none"> <li>• Mechanisms of bone conduction.</li> <li>• Function of the cochlea.</li> <li>• Cochlear fluids.</li> <li>• Cochlear hair cells.</li> </ul> Theories of hearing	0.25  0.5 0.5 0.5  0.5 0.5 0.5 0.5 0.75				
<b>B. Physiology of vestibular system:</b> Orientation and function of vestibular system.  Vestibuloocular reflex. Vestibulospinal reflex. Vestibulocolic reflex. Nystagmus.	1  0.5 0.5 0.5 0.5				
	<b>7.5</b>				<b>7.5</b>

**(4) Teaching methods.**

4.1: Lectures

4.2 Assignments

**(5) Assessment methods.**

5.1: Written Exam to assess knowledge & intellectual skills

5.1: MCQ Exam to assess knowledge & intellectual skills

5.2: Structured oral Exams to assess knowledge & intellectual skills

**Assessment schedule.**

Assessment 1: Written Exams      Week: 16-18

Assessment 2: MCQ Exams      Week: 16-18

Assessment 3: Structured oral Exams      Week 18-20

**Percentage of each assessment to the total mark.**

Written exam: 96 degrees

MCQ exam: 24 degrees

Structured oral exam: 80 degrees

Other assessment without marks: Assessment of attendance & absenteeism throughout the course

**(6) References of the course.**

6.1: Text books: Gyton textbook of physiology

**(7) 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.**