



## COURSE SPECIFICATION

### Faculty of Medicine– Mansoura University

#### (A) Administrative information

(1) Program offering the course.	Postgraduate degree of Master degree in ENT
(2) Department offering the program.	Otorhinolaryngology – Head & Neck Surgery department, Mansoura University
(3) Department responsible for teaching the course.	Microbiology department, Mansoura University
(4) Part of the program.	<b>First part</b>
(5) Date of approval by the Department's council	<b>14/5/2016</b>
(6) Date of last approval of program specification by Faculty council	<b>9/8/2016</b>
(7) Course title.	Microbiology
(8) Course code.	ENT 507
(9) Total teaching hours.	4 hours

## **(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)

- 1-Awareness of microbiology in relation to otorhinolaryngology
- 2-Establishment of systematic approach for analysis of microbiology in ENT

## **(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**

- A 1- discuss antimicrobial agents
- A 2- recognize molecular techniques used in diagnosis of microbial infections.
- A 3- explain autoimmunity and autoimmune diseases including autoimmune ear diseases.
- A 4- recognize tumor immunology and immunotherapy.
- A 5- discuss principles of sterilization and disinfection.

### **B- Intellectual skills**

- B 1- classify types of antimicrobial agents
- B 2- analyze molecular techniques used in diagnosis of microbial infections.
- B 3- analyze tumor immunology and autoimmune diseases.

**(3) Course content:** 10 hours in 20 weeks

Subjects	Lectures	Clinical	Lab.	Field	Total Teaching Hours
<ul style="list-style-type: none"><li>• <b>Medical Microbiology and genetics</b><ul style="list-style-type: none"><li>▪ Antimicrobial agents</li><li>▪ Molecular techniques used in diagnosis of microbial infections.</li></ul></li></ul>	1				1
<ul style="list-style-type: none"><li>• <b>Medical immunology:</b><ul style="list-style-type: none"><li>▪ <b>Hypersensitivity</b></li><li>▪ Autoimmunity and autoimmune diseases including autoimmune ear diseases.</li><li>▪ Tumor immunology and immunotherapy.</li></ul></li></ul>	2				2
<ul style="list-style-type: none"><li>• <b>Nosocomial infection and infection control.</b><ul style="list-style-type: none"><li>▪ Sterilization and disinfection.</li></ul></li></ul>	1				1

**(4) Teaching methods:**

4.1 Lectures

4.2

4.3:

4.4:

**(5) Assessment methods:**

5.1: Written exam for assessment of knowledge and intellectual skills.

5.2: MCQ exam for assessment of knowledge and intellectual skills.

5.3: Oral exam for assessment of knowledge and intellectual skills.

Assessment schedule:

Assessment 1.....week/month....

Assessment 2.....week/month:....

Assessment 3.....week/month:....

Assessment 4.....week/month:....

Percentage of each Assessment to the total mark.

Written exam 36 (48%)

MCQ: 9 (12%)

Oral exam 30 (40%)

practical exam ..... %.....

Other assessment without marks.

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

6.1: Hand books.....

6.2: Text books

6.3:

6.1: Websites.

6.1: Others.....

**(7) Facilities and resources mandatory for course completion.**

Candidates and their learning are supported in a number of ways:

- ☐ Induction course introducing study skills
- ☐ Candidates logbook
- ☐ Program Specification and Handbooks
- ☐ Extensive library and other learning resources
- ☐ Computer laboratories with a wide range of software
- ☐ Intranet with a wide range of learning support material
- ☐ MSc/MD Dissertation Supervisor

Course coordinator: **Professor: Asser Abdelraoof Elsharkawy**

Head of the department: **Professor: Ahmed Ali Eldegwi**

Date:

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