



## COURSE SPECIFICATION

Faculty of Medicine– Mansoura University

### (A) Administrative information

(1) Programme offering the course:	Postgraduate MSc program of internal medicine
(2) Department offering the programme:	Internal medicine department
(3) Department responsible for teaching the course:	Medical microbiology and immunology department in collaboration with Internal medicine department
(4) Part of the programme:	First part
(5) Date of approval by the Department's council	5/11/2014
(6) Date of last approval of programme specification by Faculty council	9/8/2016
(7) Course title:	Applied microbiology
(8) Course code:	MED507
(9) Total teaching hours:	15 hours
(10) Credit hours	1 (one) credit hour

(B) Professional information

(1) **Course Aims:**

The broad aims of the course are as follows:

**Application and integration of basic microbiology with the knowledge related to the practice of internal medicine and health care.**

(2) **Intended Learning Outcomes (ILOs):**

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

A- Knowledge and Understanding

A1. Recall the immunological principles of diseases related to internal medicine including, General microbiology, Microbial genetics, Immunology, Nosocomiology, Microbial infections: 1-Arbo viral infections, 2-Septicemia, 3-Infections of the lower respiratory tract, 4-Infections of the gastrointestinal tract, 5-Hepatic infections, 6-Infections of the heart, 7-Infections of the urinary tract, 8-Congenital immunodeficiency diseases, 9-Immunizations, 10-Infection of the CNS.

B- Intellectual skills:

**B1 identify strengths, deficiencies, and limits in one's knowledge and expertise and be able to be updated and face challenges.**

**B 3 integrate knowledge and understanding of internal medicine and other medical specialties and interpret basic clinical tests and images as well as obscure findings to solve clinical problems .**

**B 8 use information technology to optimize learning and write an essay about a specific medical problem.**

### (3) Course content:

Subjects	Lectures	Total Teaching Hours
	1/week	
General microbiology:	2/week	2 hours
Microbial genetics:	1/week	1 hour
Immunology:	1/week	1 hour
Nosocomiology	1/week	1 hour
Microbial infections: 1-Arbo viral infections 2-Septicemia 3-Infections of the lower respiratory tract 4-Infections of the gastrointestinal tract 5-Hepatic infections 6-Infections of the heart 7-Infections of the urinary tract 8-Congenital immunodeficiency diseases 9-Immunizations 10-Infection of the CNS	10	10 hours

### (4) Teaching methods:

- 4.1: Lectures with power point presentation.
- 4.2: Seminars and group discussions.
- 4.3: Self learning.

### (5) Assessment methods:

- 5.1: written exam (short essay) for assessment of ILOs (a3,4 ; b1,3,8)

#### Assessment schedule

Assessment 1: written exam for 1.5 hours ( short essay ) : 72 marks.

Assessment2: oral exam : 60 marks.

Assessment3: MCQ: 18 marks

Other assessment without marks: presentations during seminars, log book.

(6) References of the course:

6.1: Hand books: of the medical microbiology and immunology department.

6.2: Text books:

6.1: websites .

(7) Facilities and resources mandatory for course completion:

Lecture rooms with data show availability

Log book

Course coordinators:

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Head of the department: Prof Salah Elgamal