



## COURSE SPECIFICATION

### MSc Tropical Medicine –First part

#### Faculty of Medicine– Mansoura University

#### (A) Administrative information

(1) Program offering the course.	MSc Tropical Medicine (TROP 1500)
(2) Department offering the program.	Tropical Medicine
(3) Department responsible for teaching the course.	Microbiology
(4) Part of the program.	First Part – Microbiology
(5) Date of approval by the Department`s council	27/5/ 2016
(6) Date of last approval of program specification by Faculty council	9/8/2016
(7) Course title.	Microbiology
(8) Course code.	TROP 507
(9) Credit hours	0.5 hour
(10) Total teaching hours.	7.5 hours

## **(B) Professional information**

### **(1) Course Aims.**

The broad aims of the course are as follow:

**1- Provide knowledge and understanding of the features common infectious pathogens and common microbiological problems together with understanding of basics of immune defense mechanisms.**

### **(2) Intended Learning Outcomes (ILOs).**

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

#### **A- Knowledge and Understanding**

- A1. Identify the features of common infectious pathogens in different tropical disorders and the basics of the immune defence.
- A2. Identify types and methods of disinfection and sterilization
- A3. Describe features, isolation and diagnosis of bacterial pathogens
- A4. Describe features and diagnosis of common viral infection  
Such as Arboviruses, HIV, encephalitis, hepatitis .....etc
- A5. Identify common fungal infections especially in immunodeficiency patients.
- A6. Discuss common microbiologic problems in feverish patients such as sepsis, CNS infections, pneumonia, UTI and nosocomial infections.
- A7. Discuss the different arms of immune defense, scenario of immune response and types of immune derangement and autoimmunity.
- A8. Identify common immunization and high risk groups.

#### **B- Intellectual skills**

- B1. Integrate the basic science of microbiology into clinical practice to explain the various phenomena of infectious, hepatic and gastroenterologic disorders using infection control and safety measures

**(3) Course content:**

<b>Subjects</b>	<b>Lectures</b>	<b>Laboratory</b>	<b>Total Teaching Hours</b>
<b>General Microbiology</b>	<b>1</b>		<b>1</b>
<b>General Immunology</b>	<b>1</b>		<b>1.5</b>
<b>Infections:</b> -Arboviruses -Septicemia -Gastrointestinal tract infections - Hepatic infections - Urinary tract infections - CNS infections - Immunodeficiency diseases	<b>4</b>		<b>4</b>
<b>Immunization</b>	<b>1</b>		<b>1</b>
<b>TOTAL</b>	<b>7</b>		<b>7.5</b>

**(4) Teaching methods:**

4.1. Lectures.

4.4. Problem-solving (case study) sessions

**(5) Assessment methods:**

5.1....Written exam for assessment of.....(A1 to A8) and B1

5.2....Oral exam for assessment of.....(A1 to A8)

5.3.....MCQ exam for assessment of.....(A1 to A8)

Assessment schedule:

Written exam (60%). 72 marks

Oral exam: (40%) 60 marks

MCQ: (20% of written) 18 marks

Other assessment without marks: No

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

6.1: Hand books....Book notes of Microbiology department.....

6.2: Text books... Manson's Tropical diseases, Hunter Tropical Medicine

3: Journals... Journal of clinical microbiology .....

6.1: Websites... [http://www.microbe.org/microbes/virus or bacterium.asp](http://www.microbe.org/microbes/virus%20or%20bacterium.asp),

6.1: Others.....

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

- Lecture hall and data show

Course coordinator: Assistant Prof. Mahmoud Abdel-Aziz Abdel-Hamid

Assistant : Dr. Mohamed EL Diasty

Dr. Walaa Shabana

Head of the department: Prof. Mahmoud El-Bendary

Date: