COURSE SPECIFICATION

(Emergency Medicine Master Degree)

Faculty of Medicine– Mansoura University

(A) Administrative information

(1) Programme offering the course:	Postgraduate Master degree of Emergency Medicine
(2) Department offering the programme:	Medical Microbiology and Immunology department
(3) Department responsible for teaching the course:	Medical Microbiology and Immunology department.
(4) Part of the programme.	1st Part
(5) Date of approval by the Department`s council	7/8/2016
(6) Date of last approval of programme specification by Faculty council	9/8/2016
(7) Course title:	Microbiology
(8) Course code:	EM 507
(9) Credit hours	0.5 h
(10) Total teaching hours:	7.5 h theoretical

(B) Professional information

(1) Course Aims:

The broad aims of the course are to prepare our candidates to:

1- Be oriented of antimicrobial agents, proper collection of samples of infectious diseases, microbiology of tetanus and gas gangrene and food poisoning
2- Get sufficient information about virology of blood born viruses.
3- Be oriented of recent molecular diagnostic techniques of infectious diseases and different mechanisms of hypersensitivity.

(2) Intended Learning Outcomes (ILOs):

A 1 recognize different mechanisms of action of antibiotics and antimicrobial resistance.
A2 identify how to collect different clinical samples efficiently.
A3 Recognize virology of blood borne viruses.
A4 list microbiology of tetanus and gas gangrene.
A5 describe microbiology of food poisoning.
A6 recognize different recent molecular diagnostic techniques in diagnosis of infectious diseases.
A7 identify different mechanisms of hypersensitivity.

2- Intellectual activities (I)

B- Intellectual skills

B1 evaluate different antibiotic classes and choose best treatment of each type of bacterial infection.
B2. Interpret results of different diagnostic techniques.
B3. Design a scheme for different causes of food poisoning.
B4. Solve problem based exercise.
B5 design a policy for dealing with anaphylactic shock.
B6 design a policy for treatment of tetanus and gas gangrene
B7 design schemes for diagnosis of blood borne diseases

(3) Course content:

Subjects	Lectures	Seminar
Antimicrobial in emergency.	1 hours	
Proper collection of samples of infectious diseases.	1 hour	
Virology of blood born viruses	1 hour	
Microbiology of tetanus and gas gangrene.	1 hour	
Microbiology of food poisoning	1 hour	0.5 hour
Recent molecular diagnostic techniques in diagnosis of infectious diseases.	1 hour	
Mechanisms of hypersensitivity	1 hour	

(4) Teaching methods:

4.1: Lectures

4.2: Seminars

(5) Assessment methods:

5.1:Written exam for assessment of ILOs number; A 1-7, B 1-7

5.2 MCQ exam for assessment of ILOs number; A 1-7, B 1-7

5.3: Oral exam for assessment of ILOs number; A 1-7, B 1-7,

Percentage of each Assessment to the total mark: (assessment of the total microbiology course)

Written exam: 72

MCQ exam: 18

Oral exam: 60

Other types of assessment:……None

Other assessment without marks:

1-Candidate Logbook which should be fulfilled and signed by Head of the department.

2- Attendance Criteria: Minimum acceptance attendance is 75%

(6) References of the course:

6.1: Hand books: Department theoretical books

6.2: Text books:

1. Jawetz, Melnick and Adelbergs Medical Microbiology, 2004, 23rd edition..

6.3: Journals:

1. Clinical Microbiology Reviews
2. Journal of Clinical Microbiology
3. Journal of Medical Microbiology

6.1: Websites:

1 Center for Disease Control -www.cdc.gov

2. World Health Organization- www.who.int

3. Infectious Disease Society of America- www.idsociety.org

6.1: Others:

(7) Facilities and resources mandatory for course completion:

1. Lecture halls.
2. Data shows and computer assistance.

Course coordinator: Dr. Mona Sayed

Head of the department: Prof. Dr. Mohamed Abo el-ela

Date:

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