



## **COURSE SPECIFICATION** **(Emergency Medicine Master Degree)**

**Faculty of Medicine- Mansoura University**

### **(A) Administrative information**

<b>(1) Programme offering the course:</b>	Postgraduate Master degree of Emergency Medicine
<b>(2) Department offering the programme:</b>	Medical Microbiology and Immunology department
<b>(3) Department responsible for teaching the course:</b>	Medical Microbiology and Immunology department.
<b>(4) Part of the programme.</b>	Module 4 elective course
<b>(5) Date of approval by the Department`s council</b>	7/8/2016
<b>(6) Date of last approval of programme specification by Faculty council</b>	9/8/2016
<b>(7) Course title:</b>	Infection control
<b>(8) Course code:</b>	EM 520 IC
<b>(9) Credit hours</b>	1h
<b>(10) Total teaching hours:</b>	15 h theoretical

## **(B) Professional information**

### **(1) Course Aims:**

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

- 1- Be aware of principle of infection control practice.
- 2- Be oriented of antimicrobial in emergency and antibiotic policies.
- 3- Discuss sterilization and disinfection in emergency.
- 4- Describe clinical waste management.
- 5- Recognize handling of samples of infectious diseases.
- 6- Recognize blood born viruses and phlebotomy policy.
- 7- List device related infections in emergency.
- 8- Recognize notification policies.
- 9- Discuss infection control measures in quoter and laundry.

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

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

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

- A 1 Identify infection control measures for emergency.
- A 2 recognize disinfection and sterilization principles in emergency medicine.
- A 3 Identify different classes of antibiotics and resistance mechanisms.
- A 4 Recognize the prevention program for blood borne infections.
- A5 Identify the color code for waste disposal bags.
- A6 Recognize how to handle different clinical samples efficiently.
- A7 Identify different care bundles for prevention of device related infections.
- A8 Identify notifiable diseases.
- A9 Study infection control measures in quoter and laundry.

#### **B- Intellectual activities (1)**

The Postgraduate Degree provides opportunities for candidates to achieve and demonstrate the following intellectual qualities:

**B- Intellectual skills**

- B 1 Assess common and rare infections and develop infection prevention and control strategies
- B 2 construct infection control ( IC) policies and procedures.
- B 3. Monitor weaknesses in a hospital's existing infection control program.
- B 4 Solve problem based exercise.
- B 5 Evaluate the different available drugs and choose the best treatment for specific case.
- B 6 Develop skills of infection control measures in emergency hospital.
- B 7 Develop check list to monitor infection control practice in emergency hospital

**(3) Course content:**

<b>Subjects</b>	<b>Lectures</b>
Principle of infection control practice..	<b>2 hours</b>
Antimicrobial in emergency and antibiotic policies.	<b>2 hour</b>
Sterilization and disinfection in emergency.	<b>2 hour</b>
Clinical waste management.	<b>1 hour</b>
Handling of samples of infectious diseases.	<b>2 hour</b>
Blood born viruses and phlebotomy policy.	<b>2 hour</b>
Device related infections in emergency.	<b>1 hour</b>
Notification policies.	<b>2 hour</b>
Quotery and laundry infection control.	<b>1 hour</b>

**(4) Teaching methods:**

**4.1: Lectures**

**4.2: Seminars**

**4.3: Clinical.**

**(5) Assessment methods:**

**5.1: Written exam for assessment of ILOs number; A 1-3, B 1-4**

**5.2 MCQ exam for assessment of ILOs number; A 1-3, B 1-4**

**5.3: Oral exam for assessment of ILOs number; A 1-3, B 1-4**

**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. Control of Hospital Infection- A practical handbook (most recent edition)- 2000,4th edition.

**6.3: Journals:**

1. Infection Control and Hospital Epidemiology
2. Journal of Hospital Infection
- 3 American journal of Epidemiology

**6.1: Websites:**

1. Center for Disease Control -[www.cdc.gov](http://www.cdc.gov)
2. World Health Organization- [www.who.int](http://www.who.int)
3. Infectious Disease Society of America- [www.idsociety.org](http://www.idsociety.org)
4. National Library of medicine- [www.pubmed.com](http://www.pubmed.com)

**6.1: Others:**

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

1. Lecture halls.
2. Data shows and computer assistance.
3. Microbiology laboratory.

**Course coordinator: Dr. Noha Elmekawy - Dr. Mona Sayed**

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

**Date:**

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