



## COURSE SPECIFICATION

### ( Advanced hospital acquired infection )

Faculty of Medicine– Mansoura University

#### (A) Administrative information

(1) Programme offering the course.	Postgraduate Master degree of hospital infection control
(2) Department offering the programme.	Medical Microbiology and Immunology department
(3) Department responsible for teaching the course.	Medical Microbiology and Immunology department.
(4) Date of approval by the Department's council	7/8/2016
(5) Date of last approval of programme specification by Faculty council	9/8/2016
(6) Course title.	Hospital acquired infection (Advanced)
(7) Course code.	ICMIC507 AH
(8) Credit hours	1
(9) Total teaching hours.	15h lectures

#### (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- To ensure that candidates are fully prepared to lead infection prevention and control services program in different healthcare facilities and are capable of identifying and tracing the source of nosocomial infection.
- 2- To provide the candidate with knowledge about infection control policies in hospitals.
- 3- To learn the candidate the basics of infection control in microbiology laboratory.
- 4- To learn the candidate the basics of design, collection, compiling and interpretation of surveillance systems

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

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

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

- A1 Identify infection control measures for endoscopes.
- A 2 Recognize policies for efficiency of disinfectants.
- A 3 Discuss antibiotic policy and resistance.
- A 4 Identify Assess pre and post-employment management.
- A 5 Recognize rare & common Nosocomial infections.
- A 6 Discuss infection control in microbiology laboratory.
- A 7 Describe the surveillance and data management.

### **B- Intellectual skills**

- B 1 Interpret common and rare infections and develop infection prevention and control strategies
- B 2 Distinguish infection control ( IC) policies and procedures.
- B 3 Interpret pre and post-employment management.
- B 4 illustrate control measures for infection in microbiology laboratory.

**(3) Course content.**

<b>Subjects</b>	<b>Lectures</b>	<b>laboratory</b>	<b>Field</b>
Infection control measures for endoscopes.	<b>2 hours</b>		
Polices for efficiency of disinfectant.	<b>2 hours</b>		
Pre & post employment management.	<b>2 hours</b>		
Rare & common Nosocomial infections.	<b>2 hours</b>		
Biosafety in microbiology lab	<b>2 hours</b>		
I.C in microbiology lab	<b>1 hour</b>		
Quality control of I.C	<b>1 hour</b>		
Surveillance & data management	<b>1 hour</b>		
Infection control rates.	<b>1 hour</b>		
Notification polices and zero reports.	<b>1hour</b>		

**(4) Teaching methods.**

**4.1: Lectures**

**4.2: Seminars**

**4.3: hospital tours and rounds.**

**4.4: Attending workshops and conferences**

**4.5 Observation of, assisting and discussion with senior medical staff**

**(5) Assessment methods.**

**5.1:Written exam for assessment of knowledge and intellectual ILOS**

**5.2: MCQ exam for assessment of knowledge and intellectual ILOS**

**Assessment schedule.**

Final written exam after 30 months of MS registration or 36 months of job admission

**MCQ exam at the end of each semester**

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

**Written exam.... 40 Marks**

**MCQ exam.... 10 Marks**

**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. Topley and Wilson's Microbiology and Microbial infections. 8 volume, 2005, 10th edition

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

3-Microbiology and Clinical Practice: Shanson-1999, 3rd 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)
5. MD Consult- [www.mdconsult.com](http://www.mdconsult.com)
6. Global Infectious Disease epidemiology network [www.gideononline.com](http://www.gideononline.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. Hany Lotfy

**Head of the department:** Prof. Dr. Mohammad Abou El ela

**Date:**

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