



## COURSE SPECIFICATION

(Quality assessment in infection control and infectious diseases)

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 :	<b>Medical Microbiology and Immunology</b>
(3) Department responsible for teaching the course.	<b>Medical Microbiology and Immunology dep.</b>
(4) Part of the programme :	<b>Msc second part</b>
(5) Date of approval by the Department's council	<b>2/12/2014</b>
(6) Date of last approval of programme specification by Faculty council	<b>9-8-2016</b>
(7) Course title.	<b>Quality assessment in infection</b>
(8) Course code.	<b>ICMIC507 QAIC</b>
(9) Credit hours	<b>1 hour lectures and 2 hours field</b>
(10) Total teaching hours.	<b>15 hours lectures and 120 hours field</b>

## **(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)

To provide the candidate with theoretical knowledge of goals, types, steps of infection control assessment tools and assessment modules and scoring. Also to educate the candidate how to conduct module scoring and sample scoring sheet

---

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

Intended learning outcomes (ILOs); Are four main categories: knowledge & understanding to be gained, intellectual qualities, professional/practical and transferable skills.

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

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

- A 1 Discuss the idea of quality improvement and quality planning.
- A 2 Recognize how to prepare for quality accreditation and ISO.
- A 3 Study types of hospital assessments.
- A 4 Identify the need to conduct hospital assessment
- A 5 Discuss module scoring and sample scoring sheet.

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

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

- B1 Interpret the results of assessment module scoring.
- B 2 Assess the advantages of each assessment module.
- B 3 Analyze and report the results of hospital infection control assessment.

#### **C- Professional/practical skills**

- C1- Conduct a cooperation with the hospital administrator or medical director.
- C2- Apply problem focused assessment to Surgical Area Practices, Surgical Antibiotic Use and Equipment Reprocessing, Hand Hygiene, General Ward (for each ward caring for surgical patients), ICU , IV catheter, IV Fluids and Medications, Urinary Catheters, and Sterilization and Disinfection modules.
- C 3 Perform comprehensive infection control assessment.
- C 4 Carry out Individual clinical unit or service area assessment
- C 5 Develop skills in Problem-focused assessment.

#### D- Communication & Transferable skills

- D 1 Effectively utilize the library to access and search for information.
- D 2 Develop effective teaching skills by teaching candidates as well as through conference and seminar presentations.
- D 3 Work in a team in the hospital.
- D 4 Utilize problem solving skills in practical situations.
- D 5 Search midline data base for further conduction of infection control assessment.
- D 6 Report the facts using printable sheets in field of microbiology.
- D 7 Meet with hospital leaders to explain the purpose of an infection control program, gain their understanding and approval
- D8 Engage hospital administration in the process of hospital assessment.

### **(3) Course content.**

<b>Subjects</b>	<b>Lectures</b>
Background of infection control in hospitals	3 hours
Infection control assessment tool	2 hours
Assessment modules	2 hours
Comprehensive infection control assessment	2 hours
Individual clinical unit or service area assessment	2 hours
Problem-focused assessment	2 hours
Conducting a hospital assessment	2 hours
Total	15 hours



## Practical

Skills	Field study
hospital administrator and director.	17 hours
hospital assessment team	17 hours
Surgical Antibiotic Use and Equipment Reprocessing.	17 hours
Hand Hygiene assessment.	17 hours
Assessment of IV catheter, IV Fluids and Medications, Urinary Catheters, and Sterilization and Disinfection modules.	17 hours
Assessment of Sterilization and Disinfection policies	17 hours
Assessment of special units (ICU, NICU, OR, hemodialysis.....)	18 hours
Total	120 hours

### (4) Teaching methods.

- 4.1: Lectures
- 4.2: Seminars
- 4.3: Hospital visits.
- 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 ILOs number; A 1-5, B 1-3
- 5.2: structured Oral exam for assessment of ILOs number; A 56-60, B 41-43 and D1-8
- 5.3: OSPE Practical exam for assessment of ILOs number; C1-5 and D1-8
- 5.4: MCQ continuous assessment exam for assessment of ILOs A 1-5, B 1-3

### Assessment schedule.

**Assessment 1:** Final Msc exam **week/month:** 24 months from admission to the degree

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

**Written exam....**48 marks that's is 48% of the total marks.

**continuous assessment MCQ exam:** 12 marks that's is 12% of the total marks

**OSPE exam....**20 marks ,that's is 20% of the total marks

**Structured oral exam** 20 marks , that's is 20% of the total marks

Other types of assessment.....None.....

.%:.....

**Other assessment without marks:**

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

1- Attendance Criteria: Minimum acceptance attendance is 75%

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

**6.1. Hand books:**

**6.2. Text books:**

1-Manual of MDICU (Microbiology diagnostics and infection control unit) book.

2-Manual of Infection Control Procedures, 2004, 2<sup>nd</sup> edition.

3-Manual of Infection Prevention and Control, 2012, 3<sup>rd</sup> edition.

**6.3. Journals:**

1-Center for Disease Control -[www.cdc.gov/ncidod/hip/enviro/guide.htm](http://www.cdc.gov/ncidod/hip/enviro/guide.htm)

2-World Health Organization- [www.who.int](http://www.who.int)

3-MD Consult- [www.mdconsult.com](http://www.mdconsult.com)

**6.4. Websites:** Rational Pharmaceutical Management Plus. 2006. A Standardized Approach for Improving Hospital Infection Control Practices. User Manual for the Infection Control Assessment Tool. Submitted to the U.S. Agency for International Development by the Rational Pharmaceutical Management Plus Program. Arlington, VA: Management Sciences for health rational.

**1. Facilities and resources mandatory for course completion.**

1. Lecture halls.

2. Data shows and computer assistance.

**Course coordinator: Dr. Enas Hamad**

**Head of the department: Prof. Dr. Mohamed Abou El-Ela**

**Date:**