



COURSE SPECIFICATION (Advanced Nosocomial infections)

Faculty of Medicine- Mansoura University

(A) Administrative information

(1) Programme offering the course.	Programme for Postgraduate MD degree of Medical Microbiology and Immunology
(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.	Second 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.	Nosocomial infections (Advanced)
(8) Course code.	MIC 607AHI
(9) Credit hours	2
(10) Total teaching hours.	30h 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 teach the candidate infection control practice in microbiology laboratory.
- 4- To teach the candidate the design, collection, compiling and interpretation of surveillance systems
- 5- To teach different care bundles for devices

(2) Intended Learning Outcomes (ILOs).

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

A- Knowledge and Understanding

- A1 Describe the sources of air contamination.
- A2 Enumerate internationally accepted standards of air microorganisms.
- A3 Detect the effect of air contamination on health
- A4 Discuss patient placement and transportation.
- A5 Describe the isolation policies and procedures
- A6 List important points in lab. Design
- A7 Describe how to how to collect surveillance data.
- A8 Discuss how to compile surveillance data
- A9 Recognize how to interpret surveillance data .
- A 10 manage and investigate outbreaks in nosocomial infection.
- A11 recognize essential definitions & concepts of research question, population, variables, data, statistics, sampling, statistical inference
- A12 Discuss different care bundles for prevention of device related infection

2- Intellectual activities (ILOs):

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

B- Intellectual skills

B1 Assess common and rare infections and develop infection prevention and control strategies

B 2 construct infection control (IC) policies and procedures.

B 3 Assess pre and post-employment management.

B4 Evaluate control measures for infection in microbiology laboratory.

(3) Course content.

Subjects	Lectures	Laboratory	Field
The standards of air microorganisms, sources, effect of air contamination.	4 hours		
isolation policies and procedures	4 hours		
patient placement and transportation	3 hours		
lab. Design	3 hours		
Collection of surveillance data.	3 hours		
I.C in microbiology lab	3 hour		
management and investigation of outbreaks in nosocomial infection.	3 hour		
recognize essential definitions & basic concepts of research question Variables, data, statistics, sampling, statistical inference	3 hours		
Care bundles for different devices	3 hours		

- (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 ILOs number; A 1-12, B 1-4
 - 5.2 MCQ: for assessment of ILOs number; A 1-12, B 1-4

Assessment schedule:

Final MD exam after 6 semesters of MD registration

MCQ : 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 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 & handouts given by lecturers

6.2: Text books:

Manual of infection control procedures. Dr N. N. DAMANI

Principles of Epidemiology in Public Health Practice Third Edition

1. CDC UPDATING POLICIES FOR INFECTION CONTROL

6.3. Journals:

1. INFECTION CONTROL JOURNAL

6.1. Websites: Nature Reviews: <http://www.CDC.com/org/>

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

2. World Health Organization- www.who.int

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

4. National Library of medicine- www.pubmed.com

5. MD Consult- www.mdconsult.com

6. Global Infectious Disease epidemiology network 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.