



COURSE SPECIFICATION

(Advanced Medical Mycology)

Faculty of Medicine- Mansoura University

(A) Administrative information

(1) Program offering the course:	Program for Postgraduate MD degree of Medical Microbiology and Immunology
(2) Department offering the program :	Medical Microbiology and Immunology
(3) Department responsible for teaching the course:	Medical Microbiology and Immunology dep.
(4) Part of the program :	Second part
(5) Date of approval by the Department`s council	7/8/2016
(6) Date of last approval of program specification by Faculty council	9/8/2016
(7) Course title:	Advanced Medical Mycology
(8) Course code:	MIC 607AM
(9) Credit hours	2 Credit hours
(10) Total teaching hours:	30 h 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 give the candidate updated knowledge of the new fungal vaccines.
- 2- To educate the candidate about fungal like organisms.
- 3- To provide the candidate with updated knowledge about dermatophytic moulds.
- 4- To develop the candidate's advanced knowledge of nosocomial fungal infections.
- 5- To give the candidate the updated knowledge about fungal allergy.
- 6- To give the candidate the knowledge about ocular and hematogenous disseminated fungal infection.
- 7- To give the candidate updated knowledge of fungal infection in HIV, cancer and pediatric patients.

A- Knowledge and Understanding

- A1 outline new fungal vaccines.
- A2 List fungal like organisms.
- A3 Recognize dermatophytic fungi .
- A4 Recognize Fungi causing nosocomial fungal infection.
- A5 describe fungi encountered in fungal allergy and their pathogenesis.
- A6 Recognize Fungi causing ocular and disseminated fungal infection.
- A7 List important fungi responsible for fungal infection in HIV, cancer and pediatric patients.

2- Intellectual activities (I)

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

B- Intellectual skills

- B1 Develop, under supervision, core reporting skills.
- B 2Plan the laboratory investigations for the diagnosis of mycotic diseases.
- B3 Interpret direct smears from clinical specimens
- B4 Interpret the results of culture on fungal isolation media
- B5 Advice for further tests necessary for full identification of an isolated fungus
- B6 Achieve a specific or differential diagnosis

(3) Course content:

Subjects	Lectures	Laboratory	Field
Fungal vaccines	3hours		
Fungal like organisms	3hours		
Dermatophytic moulds	3hours		
Nosocomial fungal infections	3hours		
Fungal allergy	3hours		
Ocular fungal infection	3hours		
Fungal infection in cancer patients	3hours		
Fungal infection in HIV patients	3hours		
Fungal infection in pediatrics	3hours		
Hematogenous disseminated fungal infection	3hours		

(4) Teaching methods:

4.1. Lectures

4.2. Seminars

4.3. Attending workshops and conferences

4.4 Observation of, assisting and discussion with senior medical staff

(5) Assessment methods:

5.1:Written exam for assessment of ILOs number; A1-7, B1-7

5.2 MCQ exam for assessment of ILOs number; A1-7, B1-7

Assessment schedule:

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.

1- 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:...

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

2. Color Atlas and Textbook of Diagnostic Microbiology: Elmer W Koneman 2006,6th edition

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

4- Larone D H, ed. (2002): "Medically Important Fungi: A Guide to Identification", 4th edition.

6.3. Journals.

1. Clinical Microbiology Reviews

2. Journal of Clinical Microbiology

3. Journal of Medical Microbiology

4. Journal of Microbiological Methods

5. Indian Journal of Medical Research.

6.1. Websites:

1- Center for Disease Control -www.cdc.gov

2-World Health Organization- www.who.int

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

4- MD Consult- www.mdconsult.com

1. Facilities and resources mandatory for course completion.

1. Lecture halls.
2. Data shows and computer assistance.
3. Mycology laboratory.
4. Reagents for mycological diagnosis

Course coordinator: Dr. Tamer Bedir

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

Date: