



COURSE SPECIFICATION

**Faculty of Medicine– Mansoura University
(Microbiology related to chest medicine)**

(A) Administrative information

(1) Programme offering the course.	Master degree of chest medicine
(2) Department offering the programme.	Chest Medicine Department
(3) Department responsible for teaching the course.	Microbiology and immunology Department
(4) Part of the programme.	First Part
(5) Date of approval by the Department's council	15-3-2016
(6) Date of last approval of programme specification by Faculty council	9-8-2016
(7) Course title.	Microbiology related to chest medicine
(8) Course code.	1st part: CHEST 507
(9) Credit hours.	0.5 credit hour
(10) Total teaching hours.	7.5

(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 provide graduate able to differentiate between different microbial causes of chest infections.**
- 2- Update in infection control strategies in chest diseases.**

(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

- A1- Recognize the scientific principles of viral, bacterial, fungal and mycobacterial chest infection.**
- A2- Discuss different methods of microbial diagnosis (smear, cultures, molecular and immunologic diagnosis and drug susceptibility testing.**
- A3- Explain the different components of immune system, types of immunity and immunomodulation.**
- A4- Explain types, source of hospital acquired infection and infection control measures of them as well as disinfection and sterilization methods.**

B- Intellectual skills

- B1- Expect types of microbial chest infection (viral, bacterial, fungal) as well as microbacterial)**
- B2- Differentiate between viral and bacterial chest infection**
- B3- Interpret results of molecular and immunologic diagnostic methods of chest infection**
- B4- Choose the best infection control measures for chest infections**

C- Professional/practical skills

Practical ILOs are: none required

D- Communication & Transferable skills

none required

(3) Course content.

Subjects	Lecture hours
Microbiology of community acquired pneumonia	1
Microbiology of tuberculosis and atypical mycobacteria	1.5
Microbiology of nosocomial chest infections and infection control measures in chest medicine	1.5
Immunology of respiratory diseases	1.5
Microbiology of viruses causing respiratory diseases	1
Microbiology of fungi causing respiratory diseases	1
Total Teaching Hours	7.5

(3) Teaching methods.

4.1. lectures

4.2. directed and self directed learning activities

(4) Assessment methods.

Assessment schedule.

Assessment 1. Written examafter one semester of MSC registration

Assessment 2. Oral exam.....after the written exam.

Assessment 3. MCQ. at the end of the semester (15 weeks)

Assessment 4: Logbook.

Percentage of each assessment to the total mark.

MCQ:	18
Written exam.	72
Structured Oral exam.	60
Total.	150

(6) References of the course.

6.1. Hand books

6.2. Text books

- Crofton and Douglas's Respiratory Disease
- Diagnostic microbiology
- Text book of microbiology

(7) Facilities and resources mandatory for course completion.

Teaching rooms.

Course coordinator:

Dr. Dina Aboelkhair, Lecturer of chest medicine

Dr. Heba Wagih, Assistant lecturer of chest medicine

Head of the department: Prof. Mohamad khairy

Date: 31-1-2015