



## COURSE SPECIFICATION

### Faculty of Medicine- Mansoura University

#### (A) Administrative information

(1) Program offering the course:	MD degree of Public Health & Preventive Medicine.
(2) Department offering the program:	Public health & community medicine department
(3) Department responsible for teaching the course:	Public health & community medicine department
(4) Part of the program:	Second Part
(5) Date of approval by the Department`s council	27/3/2016
(6) Date of last approval of program specification by Faculty council	
(7) Course title:	Clinical epidemiology (Elective course)
(8) Course code:	PHPM 618CE
(9) Credit hours	2 hours
(10) Total teaching hours:	2 x 15 = 30

## **(B) Professional information**

### **(1) Course Aims:**

The broad aims of the course are as follows:

- 1- To support acquisition of basic knowledge of epidemiology & preventive medicine.
- 2- Demonstrate practical skills relevant to further public health practice such as:
  - a- Detection & investigation of important public health problems (communicable, non-communicable & nutrition).
  - b- Work effectively within a team.
- 3- To support acquisition of basic knowledge of critical appraisal of research.

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

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

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

#### **A- Knowledge & Understanding:**

**A1:** Describe Study designs, risk assessment & strengths of evidence

**A2:** Identify principles of Critical appraisal of research.

**A3:** Discuss the Guideline for reporting research results

**A4:** Identify the principles of Evidence Based Medicine (EBM).

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

**B1:** Appraise critically the medical research.

**B2:** Adopt scientific guideline for reporting research results.

**B3 :** Evaluate research studies using EBM

### (3) Course content:

**Elective courses:** One elective course, given in the last semester

Subjects	Lectures	Practical	Field	Total Teaching hours
• Study designs & strengths of evidence	3	none	none	30
• Precision & validity of study tools	2			
• Hypothesis testing & sample size	3			
• Risk assessment	2			
• RCT	2			
• Systematic review	3			
• Meta-analysis	3			
• Diagnostic tests: uses, characters, likelihood ratio	3			
• EBM	2			
• Ethical consideration in medical research	3			
• Critical appraisal of research	2			
• Guideline for reporting research results	2			
<b>Total teaching hours</b>	<b>30</b>			

### (4) Teaching methods:

1. Lectures
2. Seminars
3. Conferences
4. SDL
5. Tutorial
6. Workshops

### (5) Assessment methods:

1. MCQ Examination (for assessment of knowledge & intellectual skills) at the end of last semester
2. Written Examination (for assessment of knowledge & intellectual skills) at 36<sup>th</sup> month of the registration of MD degree.
3. Oral examination (for assessment of knowledge, intellectual skills and Transferable skills) at 36<sup>th</sup> month of the registration of MD degree
4. Log book.
5. Seminars: the candidate should prepare and present at least one seminar in a topic related to the course and determined by the supervisors in front of the department staff (without marks).

### Marks of each assessment:

- Written: 16 Marks
- Oral exam: 15 Marks
- MCQ: 4 marks.

### (6) References of the course:

#### 1: Text books:

**Public Health and Preventive Medicine**, Wallace/Maxcy-Rosenau-Last, the McGraw-Hill Companies, Inc., 2008.

**Text Book of Public Health and Community Medicine**, Department of Community Medicine, AFMC, Pune in Collaboration with WHO, India Office, New Delhi, Gayo Enterprises, 2009.

#### 2: Websites:

**Center of Disease Control Web site;** <http://www.cdc.gov>

**Epidemiology web site;** <http://www.epidemiolog.net/>

**World Health organization web site;** <http://www.who.int/>

**(7) Facilities & resources mandatory for course completion:**

Candidates & their learning are supported in a number of ways:

- Lecture rooms: available in the department
- Computer Lab: available in the department with a wide range of software
- Induction course introducing study skills
- Candidates logbook
- Program Specification & Handbooks
- Extensive library & other learning resources
- Intranet with a wide range of learning support material

**Course coordinator: Prof. Nadia Montaser**

**Head of the department: Prof. Dr. Mohamed Azmy Khafagy**

**Date: 27/3/2016**