



## COURSE SPECIFICATION

### Faculty of Medicine- Mansoura University

#### (A) Administrative information

(1) Program offering the course:	Master 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:	First 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:	Environmental Health
(8) Course code:	PHPM 518 ENV
(9) Credit hours	1 hour per week
(10) Total teaching hours:	15 hours

## **(B) Professional information**

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

The broad aims of the course are to support acquisition of basic knowledge used for detection & investigation of important environmental health problems:

- Educate the student the role of the PHC physician in dealing with community health problems
- Help the student Appreciate the role of the community & recognize physician's role as a community change agent

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

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

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

**A1:** Define prevalent health problems associated with unsanitary environment.

**A2:** definition, types, & components of the environment.

**A3:** Explain environmental variables affecting health and disease.

**A4:** Discuss how to prevent & control environmental problems (air, water, food)

#### **2- Intellectual activities (I)**

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

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

**B1:** Adopt the principles of environmental sanitation to certain problem

**B2:** Analyze global environmental problems & their impact

**B3:** Detect requirements of environmental health in different health problems

### (3) Course content:

Subjects	Lectures	Practical	Field	Total Teaching Hours
- Definition, types, & requirements of Environmental health.	2			15
- Environmental planning & housing.	2			
- Air composition & requirements.	1			
- Types, sources, effect, prevention & control of air pollution.	1			
- Global environmental problems.	2			
- Types & sources of water pollution.	1			
- Water purification systems.	1		4	
- Definition, classification, management of waste.	1		4	
- Food sanitation principles & food-borne pathogens.	1			
- Investigation of food borne outbreaks.	1			

### (4) Teaching methods:

1. Lectures
2. Seminars
3. Workshops
4. Tutorial
5. Small group discussion with case study & problem solving

### (5) Assessment methods:

1. MCQ Examination (for assessment of knowledge & intellectual skills)
2. Written Examination (for assessment of knowledge & intellectual skills)
3. Oral examination (for assessment of knowledge, intellectual skills & Transferable skills)
4. Log book:
5. Seminars: the candidate should prepare & present at least one seminar in a topic related to the course & determined by the supervisors in front of the department staff (without marks).

#### Assessment schedule:

MCQ exam: 12 marks

Written exam: 48 marks

Oral exam: 40 marks

Other assessment without marks: seminars & log book assessment.

### (6) References of the course:

1. **Hand books:** Course notes: books authorized by department

2. **Text books:**

**Environmental & Occupational Medicine**, William N. Rom, 4<sup>th</sup> Edition, Lippincott Williams & Wilkins, 2007

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

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

3. **Journals:** Publications of national & international public health organization; EMOHP, WHO, CDC & APHA.

6.4: **Websites:** 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. Dr. Mohamed Azmy Khafagy**

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

**Date: 27/3/2016**