

**Course Specification 2015/2016**  
**Public Health & Community Medicine**

**Faculty :** Medicine  
**Department :** Public Health & Community Medicine

**Course Specification:**

Programme(s) on which the course is given : M.B.B.Ch program  
 Department offering the course : Public Health & Community Medicine  
 Academic year / level : 4<sup>th</sup> year  
 Date of specification approval : 23/3/2016

**A- Basic information:**

Title: Medical Physiology Code: **COM**  
 Lecture: **128** Tutorial: **10** Practical **54** Total: 192

**B- Professional Information:**

**1 - Overall Aims of Course**

Overall Aims of Course are to develop a graduate who will:

1. Adopt and apply a healthy lifestyle & sound behaviors to become role models for the individuals, families, & communities they will serve in the future.
2. Recognize the outstanding programs of medical care to serve society & to promote environmental sanitation & development.
3. Apply basic principles of scientific research.

**2 – Intended Learning Outcomes of Course (ILOs)**

A - Knowledge and Understanding:

By the end of the course, students should be able to:

- A 1. Define epidemiology & determinants of communicable & non communicable diseases & health problems, presented throughout the age spectrum.
- A 2. Identify the prevalent health problems in a community, using various epidemiological strategies.
- A 3. Recognize trends in health & disease.
- A 4. Enumerate behavioral & social variables impacting health & disease.
- A 5. Discuss principles of disease prevention & early detection of common community health problems including nutritional, occupational & environmental health-related problems.
- A 6. Recognize the principles & organization of National Health Care System.
- A 7. Define the epidemiological principles of demography & biological variability.
- A 8. List the principles of disease surveillance & screening.
- A 9. Identify measures of communicable diseases control & health promotion.
- A 10. Demonstrate population-based approaches to health care services & their role in improving medical practice.

**B- Intellectual Skills:**

By the end of the course, students should be able to:

- B 1. Design prevention & control programs for communicable & non communicable health problems of special public concern.

- B 2. Apply appropriate health education methods & materials.
- B 3. Evaluate data from literature, using information technologies & library resources, to help solving a clinical problem based on evidence (EBM).
- B 4. Construct a proper research design to study health problems of public concern.
- B 5. Analyze data using simple statistical methods to evaluate indicators of health & disease.
- B 6. Criticize research work with constructive feedback.

#### **P-Professional and Practical Skills:**

By the end of the course, students should be able to:

- C1. Apply suitable measures for prevention & control of communicable & non communicable diseases.
- C2. Apply risk assessment methods to health problems to determine strategies for appropriate response.
- C3. Apply basic statistical principles to collect, analyze & interpret medical data.

#### **T- General and Transferable Skills:**

By the end of the course, students should be able to:

- D1. Adopt principles of the lifelong learning needs of the medical profession.
- D2. Use information & communication technology effectively in the field of public health.
- D3. Manipulate information related to public health problems by all means, including electronic means with its presentation in written & oral forms.
- D4. Work effectively within a team with respect to colleagues involved in teaching .

#### **E- Professional attitude:**

By the end of the course, students should be able to:

- E1. Ensure the cost effectiveness of health care management.
- E2. Respect the rules and regulation for ethical process and ensure patient safety.

#### **F- Communication skills:**

By the end of the course, students should be able to:

- F1. Communicate effectively with individuals regardless of their social, cultural, ethnic backgrounds, or their disabilities.
- F2. Cope with situations where communication is difficult including breaking bad news.

### **3 – Contents:**

Topic	No. of hours	Lecture	Tutorial/Practical
Principles of communicable diseases studies	20	10	10
Epidemiology of some selected communicable diseases	38	30	8
Epidemiology of some selected Non- communicable diseases	14	14	2
Principles of Health Care Management	12	8	4
Management of Specific Health Care Services	29	18	11
Communication, Health Behavior, and Health Education	11	8	3
Environmental Health	9	6	3
Occupational Medicine	22	12	8
Nutrition	11	8	3
Research and Medical Statistics	25	14	11
Total	192	128	64

#### 4 – Teaching and Learning Methods

1. **Lectures:** in the lecture hall at Public Health & Community Medicine Department at the 1<sup>st</sup> floor of Block C using Data show & blackboard.
2. **Workshops:** Plenary session in lecture hall for 45 minutes.
3. **Small group teaching:** 5 groups of 60 students, each in a teaching room at the department.

4. **Training exercises:** for (45min) through distributing variety of training exercises to be solved in the small groups (15 students each) using a white board for each subgroup. Students have to complete the logbook of the corresponding topic together with some of the training exercises under supervision of a tutor.
5. **Field visits:** to Water Purification Station, Blood Bank, Family health unit/ center, Fever Hospital, & Chest Hospital, Nitrogenous Fertilizer Industry. **About 21 hours of field visits**
6. **Self-learning students** are divided into 30 groups (10 students each); each group is issued a topic for working as a team to produce a power point presentation and present them in front of their peers and senior staff. A soft copy of presentation is collected at the end of the round.

### **5 – Student Assessment Methods**

- |                                  |           |                                                                          |
|----------------------------------|-----------|--------------------------------------------------------------------------|
| 1- MCQ exams (Round, Final)      | To assess | Knowledge, intellectual, Practical                                       |
| 2- Continuous assessments (Quiz) | To assess | Intellectual skills                                                      |
| 3- Students Presentation         | To assess | General and transferable, professional attitude and communication Skills |
| 4- Objective written examination | To assess | Knowledge, intellectual, Practical                                       |
| 5- Structured Oral examination   | To assess | Practical, general and transferable & intellectual skills                |

Assessment Schedule:

<b>Assessment 1</b>	Logbook completion	During the round	6 marks	2%
<b>Assessment 2</b>	Continuous Assessment (Quiz)	During the round	14 marks	4.7%
<b>Assessment 3</b>	Round MCQ	At end of the round	40 marks	13.3%
<b>Assessment 4</b>	Final Written exam (2papers)	At the end of academic year	150 marks	50%
<b>Assessment 5</b>	Final MCQ Exam	At the end of academic year	60 marks	20%
<b>Assessment 6</b>	Final Structured Oral Exam	At the end of academic year	30 marks	10%
<b>Total</b>			300 marks	100%

### **6 – List of References**

- 1- Course Notes.
- 2- Essential Books (Text Books) - Public Health & Community Medicine Volume I, II & III  
- Practical Activity Book.
- 3- Recommended Books - Public Health & Preventive Medicine: Wallace/Maxy-Rosenau- Last, 15<sup>th</sup> Edition.
- 4- Periodicals, Web Sites, etc [www.who.int](http://www.who.int), [www.cdc.gov](http://www.cdc.gov), [www.fda.org](http://www.fda.org)

### **7 – Facilities Required for Teaching and Learning:**

1. **Lecture hall:** equipped with Blackboard, Data show, Computer, LCD projector, Wireless phones, LASER pointer, & it is air conditioned.
2. **Halls for students' small group teaching:** equipped with white boards & data show.
3. **Field visits:** to Blood Bank, Chest Hospital, Fever Hospital, Family health unit/ center, Water Purification Station & Nitrogenous Fertilizer industry.

## Content ILOs matrix

Topics (Contents)	ILOs																														
	Knowledge										Intellectual Skills						Practical Skills			Transferable Skills				Professional attitude		Communication skills					
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	1	2	3	1	2	3	4	1	2	1	2				
Principles of Communicable Diseases Studies	*	*	*	*	*		*	*	*		*			*	*		*					*									
Epidemiology of Some Selected Communicable Diseases		*						*			*						*														
Epidemiology of Some Selected Non-communicable disorders		*		*							*	*					*														
Principles of Health Care Management					*		*		*						*			*	*	*	*	*	*	*	*	*	*	*	*	*	*
Management of Specific Health Care Services		*			*		*		*		*	*					*	*			*	*	*	*	*	*	*	*	*	*	*
Communication, Health Behavior, & Health Education				*					*			*			*						*		*			*	*	*	*	*	*
Environmental Health	*				*													*													
Occupational Medicine					*	*		*			*	*	*		*	*	*	*		*		*	*	*	*	*	*	*	*	*	*
Nutrition	*				*												*														
Research & Medical Statistics							*							*	*	*	*			*		*	*								

## Assessment ILOs matrix

Assessment tools	ILOs																												
	Knowledge										Intellectual Skills						Practical Skills			Transferable Skills				Professional attitude		Communication Skills			
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	1	2	3	1	2	3	4	1	2	1	2		
Written exam	*	*		*	*	*	*	*	*		*						*												
MCQ (Round & final)	*			*	*		*	*	*						*				*										
Structured Oral Exam	*	*	*	*	*	*	*	*	*	*	*	*		*		*	*	*		*		*	*				*	*	*
Continuous Assessment (Quiz)							*							*	*	*	*							*					
Students Presentation																				*	*	*	*						

**Course coordinator:** Dr. Hala Samir El-Sayed

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

**Date:** 23/03/2016