



## COURSE SPECIFICATION

### Faculty of Medicine- Mansoura University

#### (A) Administrative information

Program offering the course:	Master Science Degree of Family Medicine
Department offering the program:	Public health & community medicine + Obstetric & Gynecology + Psychiatry + General medicine+ General surgery + Pediatric departments. & others
Department responsible for teaching the course:	Public health & community medicine department
Part of the program:	Second Part
Date of approval by the Department`s council	27/3/2016
Date of last approval of program specification by Faculty council	9/8/2016
Course title:	Critical reading & scientific writing (Elective Course)
Course code:	
Credit hours	1 Cr. Hours
Total teaching hours:	15 hours

## **(B) Professional information**

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

The broad aims of the course are as follows:

Acquisition of essential skills needed to read & review scientific literature to become critically but fairly able to make good choices in learning, thinking, researching & interpretation.

### **(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:** Outline the principles of scientific writing.
- A2:** Understands issues surrounding copyright & legally obtains, stores & disseminates information.
- A3:** understands what constitutes plagiarism & acknowledges use of sources through proper citation
- A4:** Identify the basic methods of medical research.
- A5:** Understands the basic & commonly used statistical tests.
- A6:** Reading & reviewing medical literature.

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

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

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

- B1:** Analyse & evaluate medical research.
- B2:** Use reason & creativity to make decisions & solve problems
- B3:** Balance clinical judgments against evidence-based practice guidelines
- B4:** Apply critical appraisal skills, statistical interpretation & audit cycle to evaluate & improve care.
- B5:** Apply diverse viewpoints to aid in decision making or problem solving
- B6:** Locate, retrieve, & evaluate information using appropriate research strategies, tools & technology.

#### **D- Communication & Transferable skills**

- D1:** Master communication , consultation & counselling skills
- D2:** Be committed to provide high quality primary health care.
- D3:** Be able to conduct self-audit & respond to positively to criticism.
- D4:** Use information technology as a tool for audit & quality control.

**(3) Course Content:**

Topic	Lectures	Practical	Field	Total Teaching Hours
What is critical reading?	1	non	non	15
Research methods: an overview.	4			
Interpretation of the results of statistical analysis.	4			
Papers, review articles and textbooks	1			
How to read a paper	2			
The peer review process	1			
Bias & errors	2			

**(4) Teaching methods:**

1. Lectures                      2. Seminars                      3. Tutorial                      4. Workshops

**(5) Assessment methods:**

1. Written exam for assessment of knowledge & intellectual ILOs
2. Oral exam for assessment of knowledge & intellectual ILOs
3. MCQ exam for assessment of intellectual ILOs

**Assessment schedule:**

**Assessment 1:** MCQ at the end of semester

**Assessment 2:** Written exam after 6 months of the start of the course.

**Assessment 3:** Oral exam 6 months of the start of the course.

**Percentage of each Assessment to the total mark:**

Written: 50 Marks (including 20% MCQ)

Oral: 50 Marks

**(6) References of the course:**

1. Handouts of lectures & handbooks authorized by the department.

2. Text books:

**Text book of Public Health**, Maxcy Roseneau (Wallace, 14<sup>th</sup> ed).

**Text book of Family medicine, 3<sup>rd</sup> ed**, Ian R McWhinney & Thomas Freeman

3. Journals: National & international Publications of family medicine.

4. Websites: <http://WWW.who.org.int>

<http://www.cdc.gov>

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

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

- Candidates logbook
- Program Specification & Handbooks
- Extensive library & other learning resources
- Computer laboratories with a wide range of software

**Course coordinator:** Prof. Dr. Olfat Farag

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

**Date:** 27/3/2016