



COURSE SPECIFICATION

Faculty of Medicine- Mansoura University

(A) Administrative information

<input type="checkbox"/> Programme offering the course:	Postgraduate MSc program of family medicine FM506
<input type="checkbox"/> Department offering the programme:	Internal medicine, pediatrics, Obstetrics and gynecology, general surgery, Public health, psychiatry , dermatology, ophthalmology , ENT, clinical pharmacology and clinical pathology (Multidisciplinary)
<input type="checkbox"/> Department responsible for teaching the course:	Clinical pharmacology department
<input type="checkbox"/> Part of the programme:	First part
<input type="checkbox"/> Date of approval by the Department`s council:	10/7/2016
<input type="checkbox"/> Date of last approval of programme specification by Faculty council	9/8/2016
<input type="checkbox"/> Course title:	Clinical pharmacology course for family medicine
<input type="checkbox"/> Course code:	FM 506
<input type="checkbox"/> Total teaching hours:	15 hours
<input type="checkbox"/> Credit hours:	1 credit

(B) Professional information

(1) **Course Aims:**

The broad aims of the course are as follows:

1. To have knowledge & understanding of pharmacological basis of therapy including pharmacokinetics, side effects, interactions.
2. To develop skills of safe prescription writing.
3. To develop attitude of judicious use of drug for patients benefit and to avoid harmful effects of drugs.

(2) Intended Learning Outcomes (ILOs):

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

A- Knowledge and Understanding

1. Categorize targets for drug action.
2. Enumerate factors affecting drug response.
3. Explain pharmacokinetics principles.
4. Identify principles of safe prescription in pregnancy & lactation

B- Intellectual skills

1. Anticipate and detect adverse drug reaction and detect the molecular and pharmacological basis behind it.
2. Interpret drug dosing in liver & kidney diseases

C- Communication & Transferable skills.

1. Work effectively within a team.
2. Access information effectively.
3. Ensure appropriate personal language and behavior.

(3) Course content:

(1 credit theoretical= 1 teaching hour)

Week NO.	Lectures (1h/w)
1st	Pharmacodynamics: targets for drug action
2nd	Pharmacodynamics: factors affecting drug response
3rd	Drug absorption & distribution
4th	Drug metabolism

5 th	Drug elimination
6 th	Dosing in liver disease & other disease states
7 th	Dosing in renal impairment
8 th	Dosing in extremes of age
9 th	Drugs in pregnancy & lactation
10 th	Analgesics
11 ^h	Antimicrobials
12 th	Adverse drug reactions.
13 th	Drug interactions
14 th	Principles of therapeutics
15 th	Drug information resources

(4) Teaching methods:

4.1: Lectures

4.2: Group discussion

(5) Assessment methods:

5.1: - MCQs (continuous assessment) (10 marks)

5.2: - written exam (40 marks)

(To assess knowledge and intellectual skills)

5.3: - oral exam (50 marks)

(To assess knowledge, intellectual, and communication and transferable skills)

(6) References of the course:

6.1: Text books:

Basic and clinical pharmacology (Katzung) [Last edition].

Instant clinical pharmacology [Last edition].

Course coordinators:

- Prof. Dr. Mohamed-Hesham Yousri Daba.

- Amira Eladl

Head of the department:

Prof. Dr. Hussien M. El-Beltagi

Date: 25 / 7/ 2016