



COURSE SPECIFICATION

Faculty of Medicine– Mansoura University

(Clinical Pharmacology)

(A) Administrative information

(1) Programme offering the course.	Master degree of cardiovascular medicine
(2) Department offering the programme.	Cardiovascular Medicine Department
(3) Department responsible for teaching the course.	Pharmacology Department
(4) Part of the programme.	First Part
(5) Date of approval by the Department's council	24-5-2016
(6) Date of last approval of programme specification by Faculty council	9-8-2016
(7) Course title.	Clinical Pharmacology
(8) Course code.	CARD 506
(9) Credit hours.	0.5 credit hour
(10) Total teaching hours.	7.5

(B) Professional information

(1) Course Aims:

The broad aims of the course are as follows: (either to be written in items or as a paragraph)

1- To provide knowledge & understanding of the scientific principle of the use of different cardiovascular drugs

(2) Intended Learning Outcomes (ILOs):

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

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

A- Knowledge and Understanding

A1- Recognize the different drugs used in patients with heart failure

A2- Discuss the update in therapeutic protocols of patients with ischemic heart diseases.

A3- Explain the mechanisms of action, indications and adverse effects of anti-arrhythmic drugs.

A4- Recognize when and how to use antihypertensive drugs

A5- Explain the mechanisms of action, indications and adverse effects of anticoagulants, anti-platelet and thrombolytic therapy

A6- Explain the mechanisms of action, indications and adverse effects of different anti diabetic drugs.

B- Intellectual skills

- B1- Choose appropriate antihypertensive in different subsets of patients**
- B2- Apply guidelines for management of ischemic heart disease**
- B3- Choose appropriate anticoagulant and anti-platelets in different situations**
- B4- Choose appropriate type and dose of different anti-failure drugs**

(3) Course content.

Subjects	Lectures
Anti-Hypertensive drugs	1.5
Treatment of Heart Failure	1
Treatment of ischemic heart diseases	1
Anti- arrhythmic drugs	1
Anti Diabetic drugs	1
Antibiotics, sympathomimetic and parasympathomimetics	1
Anticoagulants, ant platelets & thrombolytics	1
Total teaching hours	7.5

(4) Teaching methods.

- 4.1: lectures.
- 4.2: directed and self directed learning activities

(5) Assessment methods.

Assessment schedule.

- Assessment 1: Written exam: after 6 months of MSC registration
- Assessment 2: Oral exam: after the written exam.
- Assessment 3: MCQ
- Assessment 4: Logbook

Percentage of each Assessment to the total mark.

MCQ:	18
Written exam:	72
Oral exam:	60
Total:	150

(6) References of the course.

6.1. Hand books

6.2. Text books

Clinical pharmacology and therapeutic

Basic and clinical pharmacology

Pharmacology principles and practice

(7) Facilities and resources mandatory for course completion.

Teaching rooms

Course coordinator:

Prof Dr Eman ElSafty, Professor of cardiovascular medicine

Dr. Moheb Magdy, Lecturer of cardiovascular medicine

Head of the department: Prof. AbdelRazek Maaty

Date: 8-6-2016