



COURSE SPECIFICATION

Faculty of Medicine- Mansoura University

(A) Administrative information

(1) Programme offering the course:	MD degree of Gastroenterology and Hepatology
(2) Department offering the programme:	Internal medicine department Gastroenterology and Hepatology Unit
(3) Department responsible for teaching the course:	Pharmacology department in collaboration with Internal medicine department- Gastroenterology and Hepatology Unit
(4) Part of the programme:	First part- Pharmacology
(5) Date of approval by the Department`s council	26/7/2016
(6) Date of last approval of programme specification by Faculty council	9/8/2016
(7) Course title:	Clinical Pharmacology
(8) Course code:	HGMED610 HGMED606
(9) Total teaching hours &Credit hours:	15 teaching hours (1 credit hour)

(B) Professional information

(1) Course Aims:

The broad aims of the course:

Teach the candidates the basic principles of pharmacology needed by gastroenterologists and hepatologists in their clinical practice.

(2) Intended Learning Outcomes (ILOs):

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

A- Knowledge and Understanding

- A1.** Recognize how the body handles the drugs acting or related to the GI and liver as absorption, bioavailability, metabolism and drug clearance.
- A2.** Describe the mechanism and site of action of the GI drugs.
- A3.** Define the important side effects the patient might encounter after drug intake whether local or systemic
- A4.** Identify the absolute contraindications of the drugs acting on GIT.
- A5.** Define the important drug- drug interactions and its effect on the therapeutic goal and patients' status.
- A5.** Identify when and how to modify the drug dosage in case of decreased drug clearance and/side effects.
- A6.** Classify different drugs used in treatment of acid suppression, diarrhea, constipation, IBD, portal hypertension, GI infections, classes of immunosuppression and drugs of hemostasis

B- Intellectual skills:

- B1.** Apply the concepts of pharmacodynamics and pharmacokinetics of the drugs acting on GI and liver in his clinical practice
- B2.** Choose the most effective drug therapy in GI and liver disorders of least side effects profile and low cost.

B3.Relate the dose and duration of the GI drugs to both the age and severity of illness

B4.Use and integrate the follow up data together with the previous clinical findings to reach the therapeutic goals.

B5.Illustrate the importance of compliance to drug intake as well as reporting any undesirable effects the patient might experience

C- General and Transferable Skills:

C1. Adopt principles of the lifelong learning needs of the medical profession

C2. Present information clearly in written, electronic and oral forms.

C3.Communicate ideas and arguments effectively

C4.Work effectively within a team.

C5.Discuss freely about learned medical problems.

(3) Course content:

Subjects	Lectures	Total teaching hrs
General pharmacology	3	15
GIT pharmacology	1	
• Acid suppression therapy	1	
• Antiemetics & prokinetics	1	
• Laxatives	2	
• Anti-diarrheals	1	
• Drugs in IBD	1	
• Drugs in Portal hypertension	2	
	1	
Diuretics	0.5	
Classes of antibiotics	0.5	
Classes of immunosuppression		
Hemostatics		
Anti-coagulants & fibrinolytics		

(4) Teaching methods:

- 4.1: Lectures with power point presentation.
- 4.2: Seminars and group discussions.
- 4.3: Self learning.

(5) Assessment methods:

- 5.1: written exam (short essay) for assessment of (a 2,3,4 ; b 1,3,5,8)
Assessment 1: written exam for 1 hour (short essay): 80 marks.
- 5.2: online MCQ exam 20marks
- Other assessment without marks: presentations during seminars, log book.

(6) References of the course:

- 6.1: Hand books: of the pharmacology department.
- 6.2: Text books: Lippincott's textbook of pharmacology
- 6.3: Websites.

(7) Facilities and resources mandatory for course completion:

- Lecture halls.
- Audiovisual facilities.
- Virtual Library including multimedia teaching facilities.
- Publishing facilities including: Printers, photocopy machines.

Course coordinators:

Prof : Karawan
Prof: Mohamed Hisham deba
Prof :Maha Maher

Head of the department:

Prof Salah El-Gamal

Date: