

## Clinical Pharmacology; Code : 521/1

### A- Basic Information

<b>Programme(s) on which the course is given:</b>	Bachelor of Pharmacy
<b>Department responsible for offering the course:</b>	Department of Pharmacology and Toxicology
<b>Department responsible for teaching the course:</b>	Department of Pharmacology and Toxicology
<b>Academic year:</b>	Forth year -First Semester
<b>Course title and code:</b>	Clinical Pharmacology; 521/1
<b>Contact hours (credit hours):</b>	Lecture: 2 , Practical: 3 , Total: 5
<b>Course Coordinator:</b>	Dr. Eman Mantawy

### B- Professional Information

The course aim and intended learning outcomes are based on that mentioned in the programme specifications, with more course-related specific details.

#### 1 - Overall Aims of Course

Upon successful completion of this course, the students must be able to illustrate the clinical features of some diseases efficiently and to apply this knowledge correctly in selecting appropriate medical intervention in emergencies. They must also be able to professionally advise patients on the safe, rational and effective use of drugs

#### 2 - Intended Learning Outcomes of Course (ILOs)

##### a- Knowledge and Understanding:

The students must be able to:

**a1** Define the general principles of clinical pharmacology and differences from basic pharmacology.

**a2** Illustrate clinical features of some diseases (diabetes mellitus, Cancer and endocrine disorders) with appropriate medical intervention in emergency situations.

**a3** Explain pharmacokinetics, pharmacological effects, mechanism of action, interactions and uses of some drugs (corticosteroids, oral contraceptives, and diuretics)

##### b-Intellectual Skills:

The students must be able to:

**b1** Analyze, evaluate and interpret clinical cases.

**b2** Criticize different methods for the management of emergency situations.

**b3** Apply and utilize the knowledge of physiology and pharmacology in the proper selection and use of drug in various disease conditions, and in predicting the side effects of drug classes

##### c- Professional and Practical Skills:

The students must be able to:

**c1** Advise patients on the safe, rational and effective use of drugs.

**c2** Distinguish minor illnesses from those requiring prompt medical intervention.

d- General and Transferable Skills:

The students must be able to:

**d1** Locate and download on-line data.

**d2** Work coherently and successfully as a part of a team.

3 - Course Contents

4 -

Topics	No. of hours	Lecture
<b>Theoretical part:</b>		
<b>Pituitary &amp; thyroid hormones</b>	2	1
<b>Diabetes</b>	6	3
<b>Contraceptives</b>	2	1
<b>Corticosteroids</b>	2	1
<b>Chemotherapy</b>	10	5
<b>Peptic ulcer</b>	2	1
<b>Immunopharmacology</b>	4	2
<b>Total</b>	<b>28</b>	<b>14</b>
<b>Practical Part:</b>		
Drug – Drug interactions	9	3
Cardiovascular interactions	6	2
Drug-food interactions	3	1
Drug-lab interactions	6	2
Drugs and Geriatrics	3	1
Drugs and Paediatrics	3	1
Drugs and pregnancy	3	1
Revision	3	1
<b>Total</b>	<b>36</b>	<b>12</b>

5 - Teaching and Learning Methods

- ❖ 4<sub>1</sub>- Lectures (Tools: board, overhead projector, data show)
- ❖ 4<sub>2</sub>- Practical sessions (Tools: labs.)
- ❖ 4<sub>3</sub>- Assignments; case studies

6 - Student Assessment Methods

- 🌟 periodic exam to assess to assess knowledge and cognitive skills detailed in items 2a & 2d
- 🌟 Practical exam to assess practical skills detailed in items 2c
- 🌟 Final exam to assess knowledge, understanding and intellectual skills detailed in items 2a & 2b
- 🌟 Oral exam to assess knowledge and intellectual skills detailed in items 2a & 2b

Assessment Schedule

Assessment 1	Periodic exams	Week 6
Assessment 2	Practical exam	Week 13
Assessment 3	Oral exam	Week 15



تم الاعتماد في (محضر مجلس قسم الأدوية و السموم)  
جلسة رقم ( 1 ) بتاريخ 2019-9-10