

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	Pharamcology(1) (0603108)
Course number	MEDI3441
Faculty	
Department	
Course type	Major Needs
Course level	3
Credit hours (theoretical)	4
Credit hours (practical)	0
Course Prerequisites	

Course Objectives

- 1 - Identify the clinical effect of each drug
- 2 - Determine & select the most appropriate drug therapy
- 3 - Use pharmacokinetic information to individualize dosage regimen
- 4 - List the most common significant drugs side effects
- 5 - Develop a plan & regimens for the management

Intended Learning Outcomes

Knowledge and Understanding	* This course provides students with the knowledge of the mechanism of action, therapeutic uses, clinically significant side effects, drug-drug interactions, contraindications& clinical uses of antimicrobial agents (antibacterial, antifungal&antiviral) , anticoagulants , anesthetics & medications affecting cardiovascular system, and endocrine system.
-----------------------------	--

Course Contents

- 1 - Overview & Diuretics
- 2 - cont. Diuretics
- 3 - Hypertension pathophysiology & Antihypertensive drugs (1st line)
- 4 - cont. Antihypertensive drugs (1st line)
- 5 - Antihypertensive drugs (2nd line)
- 6 - Angina & antianginal drugs
- 7 - Heart failure pathophysiology & drugs used in HF
- 8 - Arrhythmias pathophysiology
- 9 - Hyperlipidemia& Hypolipidemic drugs
- 10 - Hyperthyroidism & Hypothyroidism pathophysiology & treatment
- 11 - Diabetes mellitus pathophysiology & insulin
- 12 - oral hypoglycemic drugs & novel drugs
- 13 - Calcium regulating hormones

Teaching and Learning Methods

- 1 - The course incorporates a variety of teaching styles including Power Points lectures, animations, case study discussions, questions.

Students Assessment

<u>Assessment Method</u>	<u>TIME</u>	<u>MARKS</u>
Mid term 1	1 hr	20
Mid term 2	1 hr	20
Participation		10
Final exam	2 hr	50

Books and References

Course note	<ul style="list-style-type: none">• Lippincott's : modern pharmacology with clinical application• Katzung, Pharmacology.• Introduction to clinical pharmacology, Edmunds
Essential books	<ul style="list-style-type: none">• The information gathered from pharmacology books references shown above & the only required recommended resource is Power Point slides lectures that will be available to students