



Course Detailed Description – Procedures of the Course Plan Committee /Faculty of Pharmacy

QF02/0408–1.0

Department	Pharmacy
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Course Name	Pharmacology-1-	Course No.	201335
Prerequisite	Pathophysiology	Credit Hours	3
Number & date of course plan approval	2013	Brief Description	See form QF02/0409

Intended Learning Outcomes	<p>-Upon completion of the course, the student is expected to be able to:</p> <ol style="list-style-type: none"> 1) Understand the general principles of pharmacology, mechanism of action, clinical uses, drug interactions, adverse effects, of selected drugs of the groups mentioned above. 2) As well as recommend the most appropriate pharmacological and in some cases the non-pharmacological treatment for some clinical conditions for which these drugs are used. 		
Course Topics	<p>This course provides students with</p> <ol style="list-style-type: none"> 1. The knowledge of the general principles of pharmacology. 2. In addition, it covers drug groups which affect the autonomic nervous system, 3. cardiovascular system, 4. gastrointestinal tract. 5. As well as, it provides the knowledge of mechanism of action, 6. pharmacodynamics, pharmacokinetics, 7. clinically significant side effects, 8. drug interactions, 9. contraindications 10. clinical uses. 		
Text Books	Lippincott's illustrated reviews; 4 th edition; 2009.		
References	<p>- Modern pharmacology with clinical applications 6th edition (2004) - Goths medical pharmacology (13th edition)</p>		
Grade Determination	<p>1st Exam = 25% 2nd Exam = 25% Final Exam = 50%</p>	<p>□ Practical Course Grade Determination</p>	<p>Course Work = 50% (Reports, Term Papers, Quizes) Final Exam = 50%</p>
Course Outline			



Week	Hours	Subjects	Chapters in Textbook	Notes
1		<ul style="list-style-type: none"> - Terminology and general introduction - Mechanisms of drug action - Drug absorption and distribution 	Chapter 1 & 2	
2		<ul style="list-style-type: none"> - Metabolism and excretion of drugs - Pharmacodynamics - Pharmacodynamics 	Chapter 2	
3		<ul style="list-style-type: none"> - Drugs affecting the autonomic nervous system - General organization and function of the nervous system - Directly cholinimimetics 	Chapter 3 Chapter 4	
4		<ul style="list-style-type: none"> - Indirectly cholinimimetics - Muscarinic receptors blocking drugs - Ganglionic blocking drugs- 	Chapter 4 Chapter 5	
5		<ul style="list-style-type: none"> - Adrenomimetic drugs - Classes - Mechanism of action, uses and side effects 	Chapter 6	
6		<ul style="list-style-type: none"> - Adrenoceptor antagonists - Classes - Mechanism of action uses and side effects- 	Chapter 7	
7		<ul style="list-style-type: none"> - Drugs affecting the cardiovascular system - Diuretic drugs - Mechanism of action uses and side effects 	Chapter 22	
8		<ul style="list-style-type: none"> - Antianginal drugs - Drugs used in chronic heart failure - Mechanism of action uses and side effects- 	Chapter 18 Chapter 16	
9		<ul style="list-style-type: none"> - Heart conducting system - Antiarrhythmic drugs - Mechanism of action uses and side effects- 	Chapter 17	
10		<ul style="list-style-type: none"> - Antihypertensive drugs - Mechanism of action - uses and side effects - 	Chapter 19	
11		<ul style="list-style-type: none"> - Anticoagulant, antiplatelet, and fibrinolytic drugs - Mechanism of action - uses and side effects 	Chapter 20	



Course Outline				
Week	Hours	Subjects	Chapters in Textbook	Notes
12		<ul style="list-style-type: none"> - Anticoagulant, antiplatelet, and fibrinolytic drugs - Mechanism of action - uses and side effects 	Chapter 20	
13		<ul style="list-style-type: none"> - Antihyperlipidemic drugs - Mechanism of action - uses and side effects 	Chapter 21	
14		<ul style="list-style-type: none"> - Drugs used un diarrhea 	Chapter 28	
15		<ul style="list-style-type: none"> - Drugs used un constipation 	Chapter 28	
16		<ul style="list-style-type: none"> - Drugs used ulcer- 	Chapter 28	

Approved by Dept. Chair		Date of Approval	
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Extra Information: (Updated every semester and filled by course instructor)

Course Instructor	
Office No.	
Extension Email	
Office hours	