



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

<b>Intended Learning Outcomes</b>	<p>-Upon completion of the course, the student is expected to be able to:</p> <ol style="list-style-type: none"> <li>1) Understand the general principles of pharmacology, mechanism of action, clinical uses, drug interactions, adverse effects, of selected drugs of the groups mentioned above.</li> <li>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.</li> </ol>		
<b>Course Topics</b>	<p>This course provides students with</p> <ol style="list-style-type: none"> <li>1. The knowledge of the general principles of pharmacology.</li> <li>2. In addition, it covers drug groups which affect the autonomic nervous system,</li> <li>3. cardiovascular system,</li> <li>4. respiratory system,</li> <li>5. gastrointestinal tract.</li> <li>6. As well as, it provides the knowledge of mechanism of action,</li> <li>7. pharmacodynamics, pharmacokinetics,</li> <li>8. clinically significant side effects,</li> <li>9. drug interactions,</li> <li>10. contraindications</li> <li>11. and clinical uses.</li> </ol>		
<b>Text Books</b>	Lippincott's illustrated reviews; 5 <sup>th</sup> edition; 2012.		
<b>References</b>	<p>- Modern pharmacology with clinical applications 6<sup>th</sup> edition (2004)          - Goths medical pharmacology (13<sup>th</sup> edition)</p>		
<b>Grade Determination</b>	<input type="checkbox"/> 1 <sup>st</sup> Exam = 25% <input type="checkbox"/> 2 <sup>nd</sup> Exam = 25% <input type="checkbox"/> Final Exam = 50%	<input type="checkbox"/> Practical Course <input type="checkbox"/> Grade <input type="checkbox"/> Determination	<input type="checkbox"/> Course Work = 50% <input type="checkbox"/> (Reports, Term Papers, Quizes) <input type="checkbox"/> Final Exam = 50%



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



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

QF02/0408–1.0

		- uses and side effects		
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### Course Outline

Week	Hours	Subjects	Chapters in Textbook	Notes
12		<ul style="list-style-type: none"> <li>- Antihyperlipidemic drugs</li> <li>- Mechanism of action</li> <li>- uses and side effects</li> </ul>	Chapter 21	
13		<ul style="list-style-type: none"> <li>- <b>Drugs affecting the respiratory system</b></li> <li>- Antiasthmatic agents.</li> <li>- Mechanism of action uses and side effects</li> </ul>	Chapter 27	
14		<ul style="list-style-type: none"> <li>- Drugs used in COPD.</li> <li>- Drugs used in allergic rhinitis.</li> <li>- Mechanism of action uses and side effects</li> </ul>	Chapter 27	
15		<ul style="list-style-type: none"> <li>- Drugs used in cough management.</li> <li>- Mechanism of action</li> <li>- uses and side effects</li> </ul>	Chapter 27	
16		<ul style="list-style-type: none"> <li>- Drugs used un diarrhea</li> <li>- Drugs used un constipation</li> <li>- Drugs used ulcer-</li> </ul>	Chapter 28	

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

<b>Course Instructor</b>	
<b>Office No.</b>	
<b>Extension Email</b>	
<b>Office hours</b>	