



Course Detailed Description – Procedures of the Course Plan Committee /Faculty of Pharmacy	QF02/0408–1.0
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Department	Pharmacy
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Course Name	Pharmacology-2-	Course No.	201431
Prerequisite	Pharmacology-1-	Credit Hours	3
Number & date of course plan approval	2013	Brief Description	See form QF02/0409

Intended Learning Outcomes	<p>Course Objectives Upon completion of the course, the student is expected to be able to:</p> <p>1) Understand the principles of action, clinical uses, drug-drug interactions, adverse effects of selected drugs used to treat endocrine, central nervous disorders and inflammatory and selected other clinical disorders.</p> <p>2) As well as recommend the most appropriate pharmacological and in some cases the non-pharmacological treatment for each condition.</p>		
Course Topics	<p>This course provides students with</p> <ol style="list-style-type: none"> 1. The knowledge of groups of drugs 2. and their pharmacological properties used in endocrine, 3. central nervous system, 4. In addition, it covers drug groups which affect inflammatory and selected other clinical disorders. 5. Respiratory system 6. As well as the knowledge of mechanism of action, 7. pharmacodynamics, pharmacokinetics, 8. clinically significant side effects & 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)</p> <p>- Goths medical pharmacology (13th edition)</p>		
Grade Determination	<p>□</p> <p>1st Exam = 25%</p> <p>2nd Exam = 25%</p> <p>Final Exam = 50%</p>	<p>□</p> <p>Practical Course Grade Determination</p>	<p>Course Work = 50% (Reports, Term Papers, Quizes)</p> <p>Final Exam = 50%</p>



Course Outline

Week	Hours	Subjects	Chapters in Textbook	Notes
1		<ul style="list-style-type: none"> - Drugs affecting the central nervous system - Introduction to central nervous system pharmacology 	Chapter 8	
2		<ul style="list-style-type: none"> - Drugs used in neurodegenerative disorders - Anti-parkinson drugs - - Alzheimer treatment 	Chapter 8	
3		<ul style="list-style-type: none"> - General anesthesia: intravenous and inhalational agents - Local anesthesia - Mechanism of action, uses and side effects 	Chapter 11	
4		<ul style="list-style-type: none"> - Sedative-hypnotic and anxiolytic drugs - Antipsychotic drugs - Mechanism of action, uses and side effects 	Chapter 11 Chapter 13	
5		<ul style="list-style-type: none"> - Antiepileptic drugs - Mechanism of action, - Uses and side effects 	Chapter 15	
6		<ul style="list-style-type: none"> - Drugs used in mood disorders - Depression - Mania 	Chapter 12	
7		<ul style="list-style-type: none"> - Opioid analgesics - Mechanism of action, - uses and side effects 	Chapter 14	
8		<ul style="list-style-type: none"> - Nonopioid analgesics - Mechanism of action, - uses and side effect 	Chapter 14	
9		<ul style="list-style-type: none"> - Disease-modifying antirheumatic agents - Drugs used in gout 	Chapter 41	
10		<ul style="list-style-type: none"> - Drugs affecting the respiratory system - Antiasthmatic agents. 	Chapter 41	
11		<ul style="list-style-type: none"> - Drugs used in COPD. - Drugs used in allergic rhinitis. 	Chapter 27	



Course Outline

Week	Hours	Subjects	Chapters in Textbook	Notes
12		<ul style="list-style-type: none"> - Drugs affecting the endocrine system - Insulin and oral drugs for diabetes mellitus - Mechanism of action, uses and side effects 	Chapter 24	
13		<ul style="list-style-type: none"> - Adrenocortical hormones and drugs affecting the adrenal cortex - Hypothalamic and pituitary hormones 	Chapter 23 Chapter 26	
14		<ul style="list-style-type: none"> - Estrogens, progestin's and SERMS - Mechanism of action, - uses and side effects 	Chapter 25	
15		<ul style="list-style-type: none"> - Androgens, antiandrogens and anabolic steroids - Mechanism of action, - uses and side effects 	Chapter 25	
16		<ul style="list-style-type: none"> - Thyroid and antithyroid drugs - Mechanism of action, - uses and side effects - 	Chapter 23	

Approved by Dept. Chair

Date of Approval

Extra Information: (Updated every semester and filled by course instructor)

Course Instructor	
Office No.	
Extension Email	
Office hours	