



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

QF02/0408-1.0

Department	Pharmacy
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Course Name	Clinical Pharmacy and Therapeutics -1-	Course No.	0201531
Prerequisite	Biopharmaceutics & Pharmacokinetics & Pharmacology-3-	Credit Hours	3
Number & date of course plan approval		Brief Description	See form QF02/0409

Intended Learning Outcomes	<ol style="list-style-type: none"> 1. Review and identify the pathophysiology, risk factors, clinical manifestations and prognosis of the disease covered. 2. Understand the relationship of the above factors to the prevention or treatment of disease. 3. Accurately identify the rational drug therapy or treatment of disease including efficacy, mode of action, dose, side effects, adverse effects, drug-drug interactions and contraindications. 4. To be able to provide patient education and drug information to patients and other health professionals. 5. Recall, and apply appropriate knowledge and skills to establish safe and effective drug use. 6. Identify and describe the role of the clinical pharmacy service. 7. Describe physiological/ biochemical disorders underlying the common disease states of the major body systems. 8. Recognize conventional pharmacological approaches to the therapeutic management and/ or prophylaxis of these conditions. 9. Provide a rationale for appropriate pharmacological strategies. 10. Advocate dosage regimens taking into account individual patient characteristics. 11. Determine laboratory criteria that should be initiated and continuously followed up to ensure successful therapeutic drug monitoring. 		
Course Topics	<ol style="list-style-type: none"> 1. General principles in therapeutics 2. Drug treatment of cardiovascular diseases 3. Drug treatment of respiratory diseases 4. Drug treatment of CNS diseases 5. Drug treatment of rheumatoid diseases 6. Chemotherapy of bacterial infections and chemoprophylaxis 7. Treatment of parasitic diseases 		
Text Books	<ol style="list-style-type: none"> 1. Pharmacotherapy-A Pathophysiologic Approach, by Joseph DiPiro, 9th edition 2. Applied therapeutics: the clinical use of drugs by Koda-Kimble, 10th edition 3. Clinical pharmacy and Therapeutics, by Roger Walker and Clive Edwards, 3rd edition. 		
References	<ol style="list-style-type: none"> 1. Clinical Pharmacology by P.N. Bennett and M.J. Brown, 11th edition. 		
Grade Determination	<input type="checkbox"/> 1 st Exam = 25% <input type="checkbox"/> 2 nd Exam = 25% <input type="checkbox"/> Final Exam = 50%	<input type="checkbox"/> Practical Course Grade Determination	<input type="checkbox"/> Course Work = 50% (Reports, Term Papers, Quizes) <input type="checkbox"/> Final Exam = 50%



Course Outline				
Week	Hours	Subjects	Chapters in Textbook	Notes
1	1	Introduction	1	Ref 3
	1	Pharmacogenetics and therapeutics	1	
	1	Pharmacogenetics and therapeutics	1	
2	1	Therapeutics in geriatrics	21	Ref 2
	1	Therapeutics in geriatrics	21	
	1	Therapeutics in pediatrics	20	
3	1	Drug therapy during pregnancy	6	Ref 2
	1	Drug therapy during pregnancy	6	
	1	Drug therapy during lactation	6	
4	1	Ischemic heart diseases	2	Ref 1
	1	Acute coronary syndrome STEM	2	
	1	Acute coronary syndrome NSTEM	2	
5	1	Hypertension	2	Ref 1
	1	Congestive heart failure	2	
	1	Congestive heart failure	2	
6	1	Asthma	15	Ref 1
	1	Asthma	15	
	1	Chronic bronchitis and emphysema	15	
7	1	Epilepsy	9	Ref 1
	1	Migraine	9	
	1	Depression	13	
8	1	Depression	13	Ref 1
	1	Schizophrenia	13	
	1	Schizophrenia	13	
9	1	Rheumatoid arthritis	1	Ref 1
	1	Rheumatoid arthritis	1	
	1	Rheumatic fever	1	



Course Outline				
Week	Hours	Subjects	Chapters in Textbook	Notes
10	1	Osteoarthritis	1	Ref 1
	1	Gout	1	
	1	Gout	1	
11	1	Respiratory tract infections	8	Ref 1
	1	Respiratory tract infections	8	
	1	Respiratory tract infections	8	
12	1	Gastrointestinal infections	8	Ref 1
	1	Urinary tract infections	8	
	1	Tuberculosis	8	
13	1	Meningitis	8	Ref 1
	1	Endocarditis	8	
	1	Sexually transmitted diseases	8	
14	1	Protozoal infections	8	Ref 1
	1	Protozoal infections	8	
	1	Protozoal infections	8	
15	1	Helminthic infestations	8	Ref 1
	1	Helminthic infestations	8	
	1	Helminthic infestations	8	
16	3	Final Examination		

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	