

Department	Pharmacy
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Course Name	Pharmacology 3	Course No.	0201433
Prerequisite	Pharmacology 2	Credit Hours	3
Number & date of course plan approval		Brief Description	See form QF02/0409

Course Objective	To understand the basic and clinical principles of drugs used in treatment of bacterial, fungal, viral, protozoal and cancer drugs.		
Intended Learning Outcomes	<p>At the end of this course, the students are expected to have good understanding of the followings:</p> <ol style="list-style-type: none"> 1) The mechanism of actions and the pharmacokinetics of drugs used in treatment of bacterial, fungal, viral, protozoal infections and cancer. 2) The clinical uses and the undesirable side effects of drugs used used in treatment of bacterial, fungal, viral, protozoal infections and cancer. 		
Course Topics	Antibacterial drugs Antifungal drugs Antiviral drugs Anti protozoal drugs Anti-helminthic drugs Anti-tuberculosis drugs Anticancer drugs		
Text Books	Lippincott Illustrated Reviews: Pharmacology 7th edition		
References	Basic and Clinical Pharmacology, Katzung and Trevor 13 th edition.		
Grade Determination	1 st Exam = 25% 2 nd Exam = 25% Final Exam = 50%	Practical Course Grade Determination	Course Work = 50% (Reports, Term Papers, Quizes) Final Exam = 50%

Course Outline

Week	Hours	Subjects	Chapters in Textbook	Notes
1	1 1 1	Principle of antimicrobial therapy	37	



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

QF02/0408–2.1E

Week	Hours	Subjects	Chapters in Textbook	Notes
2	1 1 1	Bacterial cell wall inhibitors	38	
3	1 1 1	Protein synthesis inhibitors	39	
4	1 1 1	Quinolones	40	
5	1 1 1	Folic acid antagonists	40	
6	1 1 1	Antifungal	42	
7,8	1 1 1	Antiviral	45	
9	1 1 1	Anti-protozoa	43	
10	1 1 1	Anti-helminthic	44	
11	1 1 1	Anti-tuberculosis	41	
12	1 1 1	Anticancer drugs Principles in treatment of cancer	46	
13	1 1 1	Antimetabolites Antibiotics	46	
14	1 1 1	Alkylating agents Microtubule inhibitors Steroid hormones and other antagonists	46	
15	1 1 1	Monoclonal antibodies Platinum coordination complex Topoisomerase inhibitors Tyrosine kinase inhibitors	46	

Approved by Dept. Chair

Date of Approval



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

Course Instructor	Dr. Yazun Jarrar
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