



كلية الصيدلة جامعة الزيتونة الأردنية  
Faculty of Pharmacy  
Al-Zaytoonah University of Jordan

" نحو تعليم صيدلاني متميز "  
Toward Excellence in Pharmaceutical  
Education

جامعة الزيتونة الأردنية  
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كلية الصيدل  
Faculty of Pharmacy



" Tradition and Quality "

Detailed Course Description - Course Plan Development and Updating Procedures/ Pharmacy Department	QF02/0408-3.0E
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Faculty	Pharmacy	Department	Pharmacy
Course number	0201433	Course title	Pharmacology 3
Number of credit hours	3	Pre-requisite/co-requisite	Pharmacology 2

**Pharmacology 3 course introduces the chemotherapeutic drugs which include antimicrobial and anticancer drugs.**

Course goals and learning outcomes	
<b>Goal 1</b>	Understanding the classes and mechanisms of chemotherapeutic drugs
Learning outcomes	1.1 Identification the drugs classes during the lectures 1.2 Asking for homeworks searching on updated drugs 1.3 Showing videos regarding the molecular mechanism of action
<b>Goal 2</b>	Understanding the major clinical uses of chemotherapeutic drugs
Learning outcomes	2.1 Showing detailed examples of the clinical use of chemotherapeutic drugs 2.2 Ask the students to search on the pattern of chemotherapeutic prescription in the Jordanian Hospitals 2.3 Identification the misuses of chemotherapeutic drugs
<b>Goal 3</b>	Understanding the major clinical toxicity of the drugs
Learning outcomes	3.1 Identification of pharmacovigilance 3.2 Examples of drug-induced toxicity 3.3 Identification of the signs and symptoms of drugs
<b>Goal 4</b>	
Learning outcomes	4.1 4.2 4.3
<b>Textbook</b>	1.- 2.-
<b>Supplementary references</b>	1.- 2.- 3.-



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<b>Course timeline</b>				
<b>Week</b>	<b>Number of hours</b>	<b>Course topics</b>	<b>Pages (textbook)</b>	<b>Notes</b>
01	3	Principles of Antimicrobial Therapy	1-9	Chapter 37
02	3	Bacterial Cell Wall Inhibitors	9-24	Chapter 38
03	3	Protein Synthesis Inhibitors	25-50	Chapter 39
04	3	Quinolones	39-63	Chapter 40
05	3	Folic Acid Antagonists	65-75	Chapter 40
06	3	Antifungal	77-94	Chapter 42
07	3	Antiviral	95-97	Chapter 45
08	3	Anti-protozoa	98-106	Chapter 43
09	3	Anti-helminthic	241-253	Chapter 44
10	3	Anti-tuberculosis	225-239	Chapter 41
11	3	Principles in treatment of cancer	281-289	Chapter 46
12	3	Antimetabolites Antibiotics	255-268	Chapter 46
13	3	Alkylating agents Microtubules inhibitors	311-323	Chapter 46
14	3	Platinum Anticancer Topoisomerase inhibitors	269-280	Chapter 46
15	3	Monoclonal Antibodies Tyrosine kinase inhibitors	291-310	Chapter 46

<b>Theoretical course evaluation methods and weight</b>	First exam 25% Second exam 25% Final exam 50%	<b>Practical (clinical) course evaluation methods</b>	Semester students' work = 50% (Reports, research, quizzes, etc.)
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			Final exam = 50%
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Approved by head of department		Date of approval	
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Extra information (to be updated every semester by corresponding faculty member)

Name of teacher	Dr. Yazun Jarrar	Office Number	
Phone number (extension)		Email	<a href="mailto:Yazun.Jarra@zuj.edu.jo">Yazun.Jarra@zuj.edu.jo</a>
Office hours			