



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
Al-Zaytoonah University of Jordan
كلية الصيدلة
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	201335	Course title	Pharmacology 1
Number of credit hours	3	Pre-requisite/co-requisite	Pathophysiology

Pharmacology 1 course introduces the basic of concepts of drugs activity, dynamics and kinetics. In addition, clinical autonomic nervous and cardiovascular system drugs will be covered in this course.

Course goals and learning outcomes	
Goal 1	Understanding the basics of pharmacology
Learning outcomes	1.1 Giving lectures regarding pharmacodynamics and kinetics 1.2 Giving clinical examples showing how basic drugs concepts affect the clinical response 1.3 Identification the role of pharmacokinetics principles in developing of drugs in Jordan
Goal 2	Understanding nervous system drugs
Learning outcomes	2.1 Classification of drugs classes with examples 2.2 Examples of major clinical uses 2.3 Examples of major side effects
Goal 3	Understanding cardiovascular drugs
Learning outcomes	3.1 Classification of drugs classes with examples 3.2 Examples of major clinical uses 3.3 Examples of major side effects
Goal 4	
Learning outcomes	4.1 4.2 4.3
Textbook	1.- 2.-
Supplementary references	1.- 2.- 3.-



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Course timeline				
Week	Number of hours	Course topics	Pages (textbook)	Notes
01	1 1 1	Terminology and general introduction Routes of drug administration Pharmacokinetics (absorption, distribution, metabolism and excretion)	1-9	Chapter 1
02	1 1 1	Pharmacokinetics (absorption, distribution, metabolism and excretion)	9-24	Chapter 1
03	1 1 1	Drug-receptor interaction and pharmacodynamics	25-50	Chapter 2
04	1 1 1	Drugs affecting the autonomic nervous system. General organization and function of directly cholinimimetics and indirectly cholinimimetics.	39-63	Chapter 3+4
05	1 1 1	Cholinergic antagonists: Muscarinic receptors blocking drugs. Ganglionic blocking drugs. Neuromuscular blockers.	65-75	Chapter 5
06	1 1 1	Adrenomimetic drugs	77-94	Chapter 6
07	1 1 1	- Adrenoceptor antagonists: - Receptor antagonists	95-97	Chapter 7
08	1 1 1	- Receptor antagonists	98-106	Chapter 7
09	1 1 1	Diuretic drugs	241-253	Chapter 18
10	1 1 1	Antihypertensive drugs	225-239	Chapter 17



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11	1 1 1	Antihypertensive drugs Antianginal drugs	281-289	Chapter 21
12	1 1 1	Drugs used in Heart Failure	255-268	Chapter 19
13	1 1 1	- Antihyperlipidemic drugs	311-323	Chapter 23
14	1 1 1	- Antiarrhythmic drugs	269-280	Chapter 20
15	1 1 1	- Anticoagulant, antiplatelet, and fibrinolytic drugs	291-310	Chapter 22

Theoretical course evaluation methods and weight	First exam 25% Second exam 25% Final exam 50%	Practical (clinical) course evaluation methods	Semester students' work = 50% (Reports, research, quizzes, etc.) 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 Dr. Balqis Ikhmais	Office Number	
Phone number (extension)		Email	Yazun.Jarra@zuj.edu.jo B.ikhmais@zuj.edu.jo
Office hours			