



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	0201554	Course title	Selected Topics in Pharmacology
Number of credit hours	3	Pre-requisite/co-requisite	Pharmacology 3

Brief course description

Extending the knowledge in drug interactions, drugs require special dose adjustment in certain diseases, and drugs caution during pregnancy and lactation. Also the most important over the counter drugs information will be discussed.

Course goals and learning outcomes	
Goal 1	Improve skills of using drugs
Learning outcomes	1.1 Understanding different aspects of drug interactions 1.2 Dealing with dose modifications 1.3 Understanding the drugs required therapeutic monitoring.
Goal 2	Improve pharmacy practice
Learning outcomes	2.1 Understanding of drugs used in treatment of erectile dysfunction, osteoporosis and obesity. 2.2 Understanding of drugs used in skin diseases. 2.3 having skills of using OTC drugs.
Textbook	1. - Lippincott Illustrated Reviews: Pharmacology 6th edition
Supplementary references	1.- Modern pharmacology with clinical applications – latest edition 2.- Basic and Clinical Pharmacology, Katzung and Trevor 13th edition.

Course timeline

Week	Number of hours	Course topics	Pages (textbook)	Notes
1	1 1 1	Drug interactions: In Vitro. & In Vivo.		
2	1 1 1	Pharmacokinetic interactions.		
3	1 1	Pharmacodynamic interactions.		



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4	1 1 1	Drug-disease interactions.		
5	1 1 1	Drug-herbal interactions.		
6	1 1 1	Drug-food & Drug-environmental-interactions.		
7	1 1 1	Drugs required therapeutic drug monitoring (TDM).		
8	1 1 1	Drugs to be avoided or used with caution in liver diseases		
9	1 1 1	Drugs to be avoided or used with caution in renal impairment		
10	1 1 1	Drugs to be avoided or used with caution in pregnancy		
11	1 1 1	Drugs to be avoided or used with caution in lactation		
12	1 1 1	Drugs used in treatment of erectile dysfunction, osteoporosis & obesity.		
13	1 1 1	Pharmacotherapy of skin diseases.		
14	1 1 1	Over the counter drugs (OTC).		
15	1 1 1	Over the counter drugs (OTC).		
16	1 1 1	Final examination		

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,
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			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. Luay Al-Essa	Office Number	221
Phone number (extension)	294	Email	luay.aleesa@zuj.edu.jo
Office hours	Sun. and Thur. 10-12 Mon. and Tues. 2-4 Wend. 9-11		