



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	0201531	Course title	Clinical Pharmacy and Therapeutics -1-
Number of credit hours	3	Pre-requisite/co-requisite	Pharmacology 3 Biopharmacy and pharmacokinetics

Brief course description

This course will introduce important concepts in clinical therapeutics, pharmacotherapeutics, clinical decision making and key therapeutic principles that guide clinical practice. This course will also develop ability to manage patients and provide and monitor medication therapy for patients with selected conditions. This course will cover the following topics:

1. Pharmacogenetics and therapeutics.
2. Therapeutics in geriatrics.
3. Therapeutics in pediatrics.
4. Drug therapy during pregnancy.
5. Drug therapy during lactation.
6. Drug therapy of cardiovascular diseases.
7. Drug therapy of dyslipidemia.
8. Drug therapy of Diabetes Mellitus.
9. Drug therapy of joint disorders.
10. Drug therapy of CNS diseases.

Course goals and learning outcomes	
Goal 1	Provide the basic knowledge of factors that may affect treatment and the use of drugs.
Learning outcomes	1.1 Identification of the patient individual factors that may affect treatment 1.2 Understanding the relationship of the above factors to the disease and drug factors. 1.3 Applying the skills for determination of drug therapy problem to maximize benefits and minimize risk.
Goal 2	Acquaint students with comprehensive information about the treatment of most common cardiovascular, metabolic, rheumatic and CNS diseases.
Learning outcomes	2.1 Recognizing conventional pharmacological approaches to the therapeutic management and/ or prophylaxis of these conditions. 2.2 Understanding how to understand drug therapy guidelines for various diseases and how to make a judgment for the best therapy regimen. 2.3 Understanding the role of pharmacist in the treatment and be able to apply these



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	information in clinical practice.
Textbook	1. Pharmacotherapy-A Pathophysiologic Approach, by Joseph DiPiro, 9 th edition 2. Applied therapeutics: the clinical use of drugs by Koda-Kimble, 10 th edition 3. Clinical pharmacy and Therapeutics, by Roger Walker and Clive Edwards, 3 rd edition.
Supplementary references	1. Clinical Pharmacology by P.N. Bennett and M.J. Brown, 11 th edition.

Course timeline

Week	Number of hours	Course topics	Pages (textbook)	Notes
1	1	Introduction	1-43	
	1	Pharmacogenetics and therapeutics		
	1	Pharmacogenetics and therapeutics		
2	1	Therapeutics in geriatrics	99-102	
	1	Therapeutics in geriatrics		
	1	Therapeutics in geriatrics		
3	1	Therapeutics in pediatrics	93-98	
	1	Drug therapy during pregnancy		
	1	Drug therapy during pregnancy		
4	1	Drug therapy during pregnancy	111-123	
	1	Drug therapy during lactation		
	1	Drug therapy during lactation		
5	1	Ischemic heart diseases	43-60	
	1	Acute coronary syndrome STEM		
	1	Acute coronary syndrome STEM		
6	1	Acute coronary syndrome NSTEM	130.143	
	1	Acute coronary syndrome NSTEM		
	1	Acute coronary syndrome NSTEM		
7	1	Hypertension	111-130	
	1	Hypertension		
	1	Hypertension		
8	1	Congestive heart failure	82-98	
	1	Congestive heart failure		
	1	Congestive heart failure		
9	1		98-111	
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	1	Dyslipidemia		
10	1 1 1	Diabetes mellitus	210-227	
11	1 1 1	Rheumatoid arthritis Rheumatoid arthritis Rheumatic fever	31-43	
12	1 1 1	Osteoarthritis Gout	1-9	
13	1 1 1	Epilepsy Migraine Depression	577-599	
14	1 1 1	Depression Schizophrenia Schizophrenia	629-637	

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. 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		



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