



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	201536	Course title	Clinical Pharmacy Lab-2- (hospital)
Number of credit hours	1	Pre-requisite/co-requisite	Clinical Pharmacy Lab-1- (clinical cases)

Brief course description

This Program integrates didactic course work and experiential education to enable each student to acquire the necessary foundation to provide pharmaceutical care to patients throughout their professional careers. The concepts and philosophy of patient-oriented pharmaceutical care in interdisciplinary health care systems are hallmarks of the program

Course goals and learning outcomes	
Goal 1	Student will learn the principles of clinical pharmacy and pharmaceutical care, introduction to the pharmacist care practice manual and training to use the manual by using a real case.
Learning outcomes	1.1 The students will be able to review and identify the pathophysiology, risk factors, clinical manifestations and prognosis of the disease covered 1.2 The students will be able to understand the relationship of the above factors to the prevention or treatment of disease.
Goal 2	Students will learn the procedures for the use of patient's medical record and filling in the patient data base in addition to preparation and presentation of clinical cases will be presented
Learning outcomes	2.1 The students will be able to accurately identify the rational drug therapy or treatment of disease including efficacy, mode of action, dose, side effects, adverse effects, drug-drug interactions and contraindications. 2.2 The students will be able to provide patient education and drug information to patients and other health professionals. 2.3 The students will be able to determine laboratory criteria that should be initiated and continuously followed up to ensure successful therapeutic drug monitoring
Goal 3	Students will review and discuss case studies related to main disease states including cardiovascular, respiratory, GI and DVT by addressing the pharmacological aspects for the therapeutic strategies in the management of common disease states.
Learning outcomes	3.1 The students will be able to recall, and apply appropriate knowledge and skills to establish safe and effective drug use. 3.2 The students will be able to identify and describe the role of the clinical pharmacy service. 3.3 The students will be able to describe physiological/ biochemical disorders underlying the common disease states of the major body systems
Textbook	1. Pharmacotherapy-A Pathophysiologic Approach, by Joseph DiPiro, 9th edition 2. Applied therapeutics: the clinical use of drugs by Koda-Kimble, 10th edition 3. Clinical pharmacy and Therapeutics, by Roger Walker and Clive Edwards,



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	3rd edition. 4. Pharmacotherapy principles and practice, Christopher M. Terpening, 2010 5. Drugs in Use: Clinical Case Studies for Pharmacists, Dodds and Linda J. Dodds, 3rd edition
Supplementary references	1. Pharmacotherapy-A Pathophysiologic Approach, by Joseph DiPiro, 9th edition

Course timeline

Week	Number of hours	Course topics	Pages (textbook)	Notes
1		- Pharmaceutical care/definition and applications - Patient care process: assessment, care plan, evaluation		
2		- Patient interviewing skills - Drug Therapy Problems (DTP)		
3		- Workshop on Drug Therapy Problems - Data collection from medical files - Manual and SOAP format completing		
4		- Hospital round (1) + patient interviewing - short case discussion		
5		- Oral discussion and comprehensive analysis of case (1) - filling the manual		
6		- Hospital round (2) + patient interviewing - short case discussion		
7		- Oral discussion and comprehensive analysis of case (2) - filling the manual		
8		- Hospital round (3) + patient interviewing - short case discussion		
9		- Oral discussion and comprehensive analysis of case (3) - filling the manual		
10		- Hospital round (4) + patient interviewing - short case discussion		
11		- Oral discussion and comprehensive analysis of case (4) - filling the manual		
12		- Hospital round (5) + patient interviewing		



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		- short case discussion		
13		- Oral discussion and comprehensive analysis of case (5) - filling the manual		
14		Seminars		

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. Walid AlQerem	Office Number	222
Phone number (extension)	29	Email	waleed.qirim@zug.edu.jo
Office hours	Sun-Wed (11-12)		