



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

" نحو تعليم صيدلاني متميز "
Toward Excellence in Pharmaceutical
Education

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"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	Clinical pharmacy
Course number	201533	Course title	Therapeutics & Clinical Pharmacy-2-
Number of credit hours	2	Pre-requisite/co-requisite	Therapeutics & Clinical Pharmacy-1-

Brief course description

This course is the second of a two-part series. Clinical 2 will enable a student to continue to apply knowledge and develop skills needed by a pharmacist to provide patient care, using a systematic patient-care process to define and achieve the goals of optimizing safe, effective pharmacotherapy. Clinical pharmacy 2 serve the needs of all future pharmacists by focusing on core chronic disease states. This Course briefly reviews the pharmacotherapy of various diseases with primary focus on applying therapeutic knowledge to care for patients with such diseases.

Course goals and learning outcomes	
Goal 1	Learn about different diseases and suitable treatments
Learning outcomes	1.1 Review and identify the pathophysiology, risk factors, clinical manifestations and prognosis of the disease covered. 1.2 Understand the relationship of the above factors to the prevention or treatment of disease. 1.3 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
Goal 2	Understand patient education and pharmaceutical care
Learning outcomes	2.1 To be able to provide patient education and drug information to patients and other health professionals 2.2 Recall, and apply appropriate knowledge and skills to establish safe and effective drug use 2.3 Identify and describe the role of the clinical pharmacy service
Goal 3	Evaluate and analyse different medical approaches
Learning outcomes	3.1 Describe physiological/ biochemical disorders underlying the common disease states of the major body systems. 3.2 Recognize conventional pharmacological approaches to the therapeutic management and/ or prophylaxis of these conditions. 2.3 Provide a rationale for appropriate pharmacological strategies
Goal 4	Determine appropriate dosages and techniques to determine when to initiate and discontinue treatment
Learning	4.1 Advocate dosage regimens taking into account individual patient characteristics.



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outcomes	4.2 Determine laboratory criteria that should be initiated and continuously followed up to ensure successful therapeutic drug monitoring
Textbook	<ul style="list-style-type: none"> - Pharmacotherapy-A Pathophysiologic Approach, (Joseph DiPiro) - Pharmacotherapy principles and practice, Christopher M. Terpening, 2010 - Drugs in use - Clinical Pharmacy and therapeutics
Supplementary references	See above

Course timeline

Week	Number of hours	Course topics	Pages (textbook)	Notes
01	1	Fluids and electrolytes	Pharmacotherapy-A Pathophysiologic Approach	
	1	Fluids and electrolytes		
	1	Fluids and electrolytes		
02	1	Acid-base disorders	Pharmacotherapy-A Pathophysiologic Approach	
	1	Acid-base disorders		
	1	Acute renal failure		
03	1	Acute renal failure	Pharmacotherapy-A Pathophysiologic Approach + Pharmacotherapy principles and practice	
	1	Chronic renal Failure (CRF)		
	1	Chronic renal Failure (CRF)		
04	1	Management of CRF complications	Pharmacotherapy-A Pathophysiologic Approach+ Pharmacotherapy principles and practice	
	1	Management of CRF complications		
	1	Management of CRF complications		
05	1	Dialysis	Pharmacotherapy-A Pathophysiologic Approach+ Pharmacotherapy principles and practice	
	1	Dialysis		
	1	Hypovolemia shock		



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06	1	Hypovolemia shock	Pharmacotherapy-A Pathophysiologic Approach
	1	Asthma	
	1	Asthma	
07	1	Asthma	Pharmacotherapy-A Pathophysiologic Approach+ Pharmacotherapy principles and practice
	1	COPD	
	1	COPD	
08	1	Arrhythmia	Pharmacotherapy-A Pathophysiologic Approach+ Pharmacotherapy principles and practice
	1	Arrhythmia (AFIB)	
	1	Arrhythmia (AFIB)	
09	1	Paroxysmal Supraventricular Tachycardia	Pharmacotherapy-A Pathophysiologic Approach
	1	Paroxysmal Supraventricular Tachycardia	
	1	Ventricular Arrhythmias	
10	1	Ventricular Arrhythmias	Pharmacotherapy-A Pathophysiologic Approach
	1	Contraceptives	
	1	Peptic ulcer	
11	1	Peptic ulcer	Pharmacotherapy-A Pathophysiologic Approach
	1	Peptic ulcer	
	1	GERD	
12	1	Osteoporosis	Pharmacotherapy-A Pathophysiologic Approach
	1	Osteoporosis	
	1	Anemia	
13	1	Anemia	Pharmacotherapy-A Pathophysiologic Approach
	1	Cystic fibrosis	
	1	Cystic fibrosis	
14	1	Thyroid disorder	Pharmacotherapy-A Pathophysiologic Approach+ Pharmacotherapy principles and practice
	1	Clinical cases	
	1	Clinical cases	

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. Alaa M. Hammad	Office Number	409
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Office hours			