



Jordan University of Science and Technology
Faculty of Pharmacy
Pharmacy Department

PHAR706 Foundations Of Clinical Pharmacy - JNQF Level: 9

Second Semester 2023-2024

Course Catalog

2 Credit Hours. The Foundations of Clinical Pharmacy is a two-hour course designed to provide the student with fundamental foundational understandings of the principles of clinical pharmacy and pharmacy practice. The course will focus on the provision of knowledge about critical components of clinical pharmacy to ensure the delivery of safe, effective, and competent patient care and professional practice.

Teaching Method: Blended

Text Book

Title	Pharmacotherapy Principles and Practice
Author(s)	Marie A. Chisholm-Burns, Terry L. Schwinghammer, et al
Edition	6th Edition
Short Name	Ref #1
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
Ref # 2	Pharmacotherapy: A Pathophysiologic Approach	Joseph T. DiPiro, Robert L. Talbert, Gary C. Yee, Gary R. Matzke, Barbara G. Wells, L. Michael Posey	11th Edition	
Ref #3	Communication skills in pharmacy practice: a practical guide for students and practitioners	Robert S. Beardsley, Carole L. Kimberlin, William N. Tindall.	6th Edition	
Ref # 4	Introduction to hospital & health-system pharmacy practice	David A. Holdford, Thomas R. Brown	6th Edition	
Ref # 5	CDC.gov	CDC.gov	1st Edition	
Ref # 6	uptodate	www.Uptodate.com	1st Edition	

Instructor

Name	Prof. Linda Tahaineh
Office Location	P2L1
Office Hours	
Email	tahaineh@just.edu.jo

Class Schedule & Room

Section 2:
Lecture Time: Wed : 10:30 - 11:30
Room: قاعة الكندي/صيدلة

Tentative List of Topics Covered

Weeks	Topic	References
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Week 1	Introduction and syllabus distribution	
Weeks 2, 3	Introduction to Clinical Practice Components, and patient care process	From Ref # 2
Week 4	Palliative care	4 From Ref #1
Week 5	Medicines optimization in different age groups (pediatrics)	From Ref #1
Week 6	Medicines optimization in different age groups (geriatrics)	From Ref #1
Week 7	Midterm exam	
Week 8	Medication errors and approaches to minimize preventable medication errors	From Ref # 2, From Ref # 4
Week 9	Interprofessional collaboration	From Ref #3
Weeks 10, 11	Optimizing antimicrobial therapy: antimicrobial stewardship programs	From Ref # 5
Week 12	Clinical Pharmacokinetics: concentration and dilution, dose equivalents and interconversion (steroid, analgesics..)	From Ref # 6

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Define the principles and concepts underlying clinical pharmacy practice, including patient care process, pharmacokinetics and pharmacotherapy of different populations. [1L9K1, 1L9K2]	50%	
Develop pharmaceutical care plans based on evidence-based medicine principles. [1L9S2, 1L9C1]	20%	
Demonstrate proficiency in conducting comprehensive medication reviews, identifying drug-related problems, and proposing appropriate interventions [1L9S2, 1L9C4]	20%	
Demonstrate effective communication and collaboration skills with healthcare professionals, patients, and caregivers to optimize medication therapy outcomes. [1L9C3, 1L9C4]	10%	

Relationship to Program Student Outcomes (Out of 100%)															
PLO1.1	PLO2.1	PLO3.2	PLO3.3	PLO2.2	PLO2.3	PLO2.4	PLO3.1	PLO3.4	PLO3.5	PLO3.6	PLO4.1	PLO4.2	PLO4.3	PLO4.4	PLO5.1

Relationship to NQF Outcomes (Out of 100%)					
L9K1	L9K2	L9S2	L9C1	L9C3	L9C4
25	25	20	10	5	15

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