



Jordan University of Science and Technology
Faculty of Pharmacy
Pharmacy Department

PHAR703 Therapeutics 1 - JNQF Level: 9
First Semester 2024-2025

Course Catalog
3 Credit Hours. This course covers the pharmacotherapy for respiratory, oncologic, gastrointestinal, renal, urological, and infectious diseases in relation to the pathophysiologic conditions of the patient. The course discusses concepts of drug action, therapeutic uses, goals of treatment, pharmaceutical care plan, patient counselling, drug monitoring, and evaluation of the therapeutic outcomes. Students learn methods of interacting and supporting other members of the medical care team by developing and evaluating patient's therapeutic plans and offering alternative therapeutic options/plans when needed. The course will provide students with the knowledge necessary for the practice of patient-oriented pharmacy.
Teaching Method: On Campus

Text Book	
Title	Pharmacotherapy: A Pathophysiologic Approach
Author(s)	Joseph T. DiPiro, Robert L. Talbert, Gary C. Yee, Gary R. Matzke, Barbara G. Wells, L. Michael Posey
Edition	11th Edition
Short Name	Ref # 1
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
Ref # 2	Pharmacotherapy Principles and Practice	Marie Chisholm-Burns, Terry Schwinghammer, Barbara Wells, Patrick Malone, Joseph DiPiro	6th Edition	
Ref # 3	Pharmacotherapy case book-A patient focused approach	Terry L. Schwinghammer, PharmD, FCCP, FASHP, FAPhA, BCPS.	11th Edition	

Instructor	
Name	Prof. Sayer Al-Azzam
Office Location	P2L1
Office Hours	
Email	salazzam@just.edu.jo

Class Schedule & Room
Section 1: Lecture Time: Sun, Tue : 08:30 - 10:00 Room: U

Tentative List of Topics Covered		
Weeks	Topic	References
Week 1	Introduction and syllabus distribution	
Week 2	Asthma/COPD	From Ref # 2
Week 3	IBD	From Ref # 2
Week 4	GERD/Peptic Ulcer	From Ref # 2
Week 5	Nausea and Vomiting	From Ref # 2
Week 6	Acute Kidney Injury	From Ref # 1, From Ref # 2
Week 7	Midterm exam	
Week 8	Chronic Kidney Disease	From Ref # 1, From Ref # 2
Week 9	Breast Cancer	From Ref # 1, From Ref # 2
Week 10	Colon Cancer	From Ref # 1, From Ref # 2

Week 11	Clinical infections-CNS infections	From Ref # 2
Week 12	Urinary tract infection	From Ref # 2
Week 13	Lower respiratory tract infections	From Ref # 2
Week 14	Upper respiratory tract infections	From Ref # 2

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Describe etiology, pathophysiology, signs/symptoms, tests leading to the diagnosis and pharmacology of drug classes used in the management of common various diseases, disorders and medical conditions. [1PLO1.1] [1L9K2]	25%	
Use current best evidence to determine an optimal therapeutic approach to management of selected disease states [1PLO3.3] [1L9C1]	50%	
Develop a monitoring and follow up plan to evaluate efficacy and safety of recommended therapeutic approach to management of selected disease states. [1PLO3.3] [1L9S3]	15%	
Communicate clinically relevant and evidence-based information to patients and other healthcare providers. [1PLO3.2] [1L9C4]	10%	

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	PLO-PT1.1	PLO-PT2.1	PLO-PT2.2	PLO-PT3.1
25		10	65																

Relationship to NQF Outcomes (Out of 100%)			
L9K2	L9C1	L9C4	L9S3
25	50	10	15

Evaluation	
Assessment Tool	Weight
Mid Exam	35%
Presentation	15%
Final Exam	50%

Policy	
Communicating with Instructors	<ul style="list-style-type: none"> - Students should communicate through their official JUST emails. Communication through personal email accounts (yahoo, Gmail, Hotmail, etc.) or social media will NOT be accepted, and no response will be provided. - Students are required to check their emails and the E-learning page of the course regularly for announcements and notifications.
Exams	<ul style="list-style-type: none"> - All exams are closed books and notes. - The final exam is comprehensive (covers all the material). - The first, second, and midterm incomplete exams need approval from the departments? heads. - The final incomplete exams need approval from the dean.
Cheating	Prohibited; The commitment of the acts of cheating and deceit such as copying during examinations, altering examinations for re-grade, plagiarism of homework assignments, and in any way representing the work of others as your own is dishonest and will not be tolerated. Standard JUST policy will be applied.
Attendance	<ul style="list-style-type: none"> - Attendance is mandatory and will be recorded regularly. - Excellent attendance is expected. - Students who miss more than 20% of the classes will be dropped from the course as per JUST policy. - If you miss class, it is your responsibility to find out about any announcements or assignments you may have missed.

Date Printed: 2024-10-09