



Jordan University of Science and Technology
Faculty of Pharmacy
Pharmacy Department

PHAR445 Therapeutics 1 - JNQF Level: 7
First Semester 2024-2025

Course Catalog
3 Credit Hours. 3 Credit Hours. This course provides students with in-depth therapeutic knowledge on cardiovascular disorders and respiratory, gastrointestinal, endocrine and renal diseases. The course aims to improve students' ability to identify and critically assess the relevant factors for the management of patients. Further, it is designed to help students integrate drug therapy into an overall management plan.
Teaching Method: On Campus

Text Book	
Title	Pharmacotherapy Principles and practice
Author(s)	Marie Chisholm-Burns, Terry Schwinghammer, Barbara Wells, Patrick Malone, Joseph DiPiro
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	

Instructor	
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Class Schedule & Room
Section 1: Lecture Time: Sun, Tue, Thu : 08:30 - 09:30 Room: M4201
Section 2: Lecture Time: Sun, Tue, Thu : 09:30 - 10:30 Room: M1302
Section 3: Lecture Time: Mon, Wed : 08:30 - 10:00 Room: D4203

Prerequisites		
Line Number	Course Name	Prerequisite Type
303441	PHAR344 Pharmacology 3	Prerequisite / Study

Tentative List of Topics Covered		
Weeks	Topic	References
Week 1	Introduction and Syllabus Distribution	From Ref # 1
Weeks 2, 3	Pharmacotherapy of Hypertension	From Ref # 1

Weeks 4, 5	Pharmacotherapy of Heart Failure	From Ref # 1
Weeks 6, 7	Ischemic heart disease/Acute coronary syndrome	From Ref # 1
Week 8	Pharmacotherapy of Hyperlipidemia	From Ref # 1
Week 9	Pharmacotherapy of Arrhythmias	From Ref # 1
Week 10	Pharmacotherapy of Venous thromboembolism	From Ref # 1
Week 11	Pharmacotherapy of Chronic Kidney Disease	From Ref # 1
Weeks 12, 13	Pharmacotherapy of Diabetes Mellitus	From Ref # 1
Week 14	Pharmacotherapy of Asthma	From Ref # 1
Week 15	Pharmacotherapy of COPD	From Ref # 1
Week 16	Pharmacotherapy of GERD	From Ref # 1
Week 16	Pharmacotherapy of PUD	From Ref # 1

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Identify the definition, etiology, pathophysiology, signs/symptoms, and tests leading to the diagnosis and pharmacology of drug classes used in the management of common disorders/diseases of the cardiovascular, endocrine, renal, respiratory and gastrointestinal system [1PLO1.1] [1L7K1]	30%	
Design the most appropriate comprehensive pharmaceutical care plan for each condition utilizing evidence-based medicine [1PLO3.1] [1L7S1]	45%	
Discuss an appropriate education for patients about their diseases/disorders and the appropriate use of medications [1PLO3.2] [1L7S3]	10%	
Prepare monitoring and follow-up plan to evaluate the efficacy and safety of therapy [1PLO2.1] [1L7S2]	15%	

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
30	15	10					45												

Relationship to NQF Outcomes (Out of 100%)			
L7K1	L7S1	L7S2	L7S3
30	45	15	10

Evaluation	
Assessment Tool	Weight
First exam	30%
Second exam	25%
Active learning	5%
Final exam	40%

Policy	
EXAMS	All exams are closed books and notes. The final exam is comprehensive (covers all the material). The exam format is usually but not always MCQs. Incomplete exams need approval from the dean.
Cheating	Cheating Prohibited; and in case of cheating the student will be subject to punishment according to the standard JUST policy. 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 أثناء الطلاب ضبطاً: المادة 7: المادة في ذلك الامتحان أو الاختبار. ب- الغاء تسيج؟ في نو؟ المسابقات المسجل ل؟ في ذلك الفصل. ج. بالعش فتوقع عل؟؟ العقوبات التال؟ مجتمعة: أ- اعتباره راسياً مطلباً الاختبار أو الامتحان
Attendance	Attendance According to the JUST policy. JUST policy requires the faculty member to assign a ZERO grade (35) if a student misses 10% of the classes that are not excused. If you miss class, it is your responsibility to find out about any announcements or assignments you may have missed.
Participation	Participation is highly encouraged and will be managed through in-class questions and interactive discussions.
Withdraw	Withdraw Last day to drop the course is before the twelve (12th) week of the current semester