



Jordan University of Science and Technology

Faculty of Pharmacy

Doctor Of Pharmacy (Pharm D.) Department

PHMD444 Therapeutics- Cardiovascular System (For Pharm D Students)

Second Semester 2022-2023

Course Catalog

2 Credit Hours. The course focuses on pharmacotherapy of major cardiovascular diseases in relation to the underlying pathophysiologic conditions of the patient using current treatment international guidelines. Concepts of drug action, therapeutic uses, goals of treatment, therapeutic plan, patient counseling, drug monitoring and evaluation of the therapeutic outcomes are discussed. The course aims to improve students' ability to identify and critically assess the relevant factors for patients, management, developing optimum pharmaceutical care plans, and offering alternative therapeutic options when needed.

Text Book

Title	Pharmacotherapy principle and practice
Author(s)	Marie Chisholm-Burns et al.
Edition	6th Edition
Short Name	Principles and Practice
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
A Pathophysiologic Approach	Pharmacotherapy: A Pathophysiologic Approach	J. Dipiro, R. Talbert et al	11th Edition	Text book

Instructor

Name	Prof. Fadia Mayyas
Office Location	P2L4
Office Hours	Sun : 09:00 - 10:30 Mon : 12:00 - 13:00 Tue : 09:00 - 10:30 Tue : 11:30 - 12:30 Thu : 08:30 - 09:30
Email	famayyas@just.edu.jo

Class Schedule & Room

Section 1:
Lecture Time: Sun, Tue : 10:30 - 11:30
Room: SOUTH HALL

Section 2:
Lecture Time: Sun, Tue : 12:30 - 13:30
Room: D4203

Tentative List of Topics Covered

Weeks	Topic	References
Weeks 2, 3	Hypertension	From Principles and Practice
Weeks 4, 5	Heart Failure	From Principles and Practice
Weeks 6, 7	Hyperlipidemia	From Principles and Practice

Weeks 7, 8	Stable ischemic heart disease	From Principles and Practice
Weeks 9, 10	Acute coronary syndrome	From Principles and Practice
Weeks 11, 12	Arrhythmia	From Principles and Practice
Weeks 13, 14	Venous Thromboembolism	From Principles and Practice

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

Relationship to Program Student Outcomes (Out of 100%)															
PLO1.1	PLO2.1	PLO2.2	PLO2.3	PLO2.4	PLO3.1	PLO3.2	PLO3.3	PLO3.4	PLO3.5	PLO3.6	PLO4.1	PLO4.2	PLO4.3	PLO4.4	PLO5.1
	30				60	10									

Evaluation	
Assessment Tool	Weight
First exam	25%
Second exam	25%
Active learning	10%
Final exam	40%

Policy	
Exams	The format for the exams is generally (but NOT always) in the form of multiple-choice questions. Grades will not be given out via e-mail.
Cheating	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. المادة 7: إذا ضبط الطالب أثناء الامتحان أو الاختبار متلبساً بالغش فتوقع عليه العقوبات التالية مجتمعة: أ- اعتباره راسباً في ذلك الامتحان أو الاختبار. ب- الغاء تسجيله في بقية المساقات المسجل لها في ذلك الفصل. ج- فصله من الجامعة لمدة فصل دراسي واحد، و هو الفصل التالي للفصل الذي ضبط فيه.
Attendance	? Excellent attendance is expected. ? JUST policy requires the faculty member to assign ZERO grade (35) if a student misses 20% of the classes. If you miss class, it is your responsibility to find out about any announcements or assignments you may have missed
Withdraw	Last day to drop the course is before the twelve (12th) week of the current semester.

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