



Jordan University of Science and Technology
Faculty of Pharmacy
Pharmacy Department

PHAR446 Therapeutics (1)

First Semester 2021-2022

Course Catalog

3 Credit Hours. This course provides students with in-depth therapeutic knowledge on cardiovascular disorders and respiratory, gastrointestinal, endocrinal and renal diseases. The course aims to improve students' ability to identify and critically assess the relevant factors for the management of patients with cardiovascular, respiratory, endocrine and GIT disease(s). Further, it is designed to help students integrate drug therapy into an overall cardiovascular/respiratory or endocrine disease management plan.

Text Book

Title	Pharmacotherapy Principles and Practice
Author(s)	Chislom-Burns
Edition	5th Edition
Short Name	Principles
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
Pathophysiological approach	Pharmacotherapy: A Pathophysiological Approach	Dipiro et al	9th Edition	

Instructor

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

Class Schedule & Room

Section 1:

Lecture Time: Sun : 08:30 - 10:00

Room: D4203

Section 2:

Lecture Time: Tue : 08:30 - 10:00

Room: D4203

Tentative List of Topics Covered

Weeks	Topic	References
Week 1	Introduction	Syllabus and Orientation From Principles , From Pathophysiological approach
Weeks 2, 3	Pharmacotherapy of Hypertension	From Principles
Weeks 3, 4	Pharmacotherapy of Heart Failure	From Principles
Weeks 5, 6	Ischemic heart disease/Acute coronary syndrome	From Principles
Week 7	Pharmacotherapy of Hyperlipidemia	From Principles
Week 8	Pharmacotherapy of Arrhythmias	From Principles
Week 9	Pharmacotherapy of Venous thromboembolism	From Principles
Weeks 10, 11	Pharmacotherapy of Diabetes mellitus	From Principles
Weeks 11, 12	Pharmacotherapy of Asthma	From Principles
Week 13	Pharmacotherapy of COPD	From Principles
Week 14	Pharmacotherapy of GERD	From Principles
Week 14	Pharmacotherapy of Peptic ulcer	From Principles
Week 10	Chronic Kidney Disease	From Principles

Mapping of Course Outcomes to Program Student Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Understand the definition, etiology, pathophysiology, signs/symptoms, and tests leading to the diagnosis, of common disorders/diseases of the cardiovascular system [2SO1.1]	15%	
Choose the appropriate and effective therapy, for selected diseases of the included systems [10SO2.1, 1SO2.3, 1SO3.1, 1SO3.2]	20%	
Formulate comprehensive pharmaceutical care plans and counsel patients [1SO2.1, 1SO2.3, 1SO3.1, 1SO4.1, 1SO4.2, 1SO4.4]	25%	
Apply theoretical principles in the clinical setting [1SO1.1, 1SO2.1, 1SO2.2, 1SO2.3, 1SO2.4, 1SO3.1, 1SO3.2]	20%	
To provide appropriate advice and counseling to patients and other healthcare professionals regarding disease prevention, risk reduction and disease management, including drug therapy and toxicity. [1SO2.1, 1SO2.2, 1SO2.3, 1SO3.1, 1SO4.1, 1SO4.2, 1SO4.4]	20%	

Relationship to Program Student Outcomes (Out of 100%)														
SO1.1	SO2.1	SO3.2	SO3.3	SO2.2	SO2.3	SO2.4	SO3.1	SO3.4	SO3.5	SO3.6	SO4.1	SO4.2	SO4.3	SO4.4
17.86	25.27	4.40		5.71	11.42	2.86	11.42				7.02	7.02		7.02

Evaluation	
Assessment Tool	Weight
First Exam pharma 446	30%
Second Exam	30%
Final exam	40%

Policy	
Exams	All exams are closed book and notes. The final exam is comprehensive (covers all the material). Exams format are usually but not always MCQs. Incomplete exams need approval from the dean.
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. 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 المسابقات المسجل لها في ذلك الفصل. ج-
Attendance	? According to the JUST policy: ? JUST policy requires the faculty member to assign 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	Is highly encouraged.

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