



Jordan University of Science and Technology
Faculty of Pharmacy
Doctor Of Pharmacy (Pharm D.) Department

PHMD343 Pharmacology 2 - JNQF Level: 7

First Semester 2023-2024

Course Catalog

3 Credit Hours. This course introduces comprehensive pharmacological concepts of drugs acting on the cardiovascular system, respiratory system, gastrointestinal tract, and anti-inflammatory agents.

Text Book

Title	Basic and clinical pharmacology
Author(s)	Bertram G. Katzung and McGraw-Hill
Edition	15th Edition
Short Name	Basic and clinical pharmacology
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
Katzung & Trevor's Pharmacology, Examination & Board Review	Katzung & Trevor's Pharmacology, Examination & Board Review	Anthony Trevor, Bertram Katzung, Marieke Knudering-Hall	11th Edition	

Instructor

Name	Dr. Khawla Nuseir
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Instructor

Name	Dr. AHMAD AL-AZAYZIH
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Class Schedule & Room

Section 2:
Lecture Time: Sun, Tue : 11:30 - 12:30
Room: NORTH HALL

Section 3:
Lecture Time: Mon, Wed : 11:30 - 12:30
Room: NURSING HALL

Section 4:
Lecture Time: Sun, Tue : 11:30 - 12:30
Room: M3305

Prerequisites		
Line Number	Course Name	Prerequisite Type
312420	PHMD242 Pharmacology 1	Prerequisite / Study

Tentative List of Topics Covered		
Weeks	Topic	References
Weeks 1, 2	Diuretic drugs	Chapter 15 From Basic and clinical pharmacology
Weeks 2, 3	Antihypertensive drugs	Chapter 11 From Basic and clinical pharmacology
Weeks 3, 4	Vasodilators and the Treatment of Angina pectoris	Chapter 12 From Basic and clinical pharmacology
Week 5	Drugs Used in Heart Failure	Chapter 13 From Basic and clinical pharmacology
Weeks 6, 7	Agents Used in Cardiac Arrhythmias	Chapter 14 From Katzung & Trevor's Pharmacology, Examination & Board Review
Weeks 8, 9	Drugs used in Disorders of Coagulation	Chapter 34 From Basic and clinical pharmacology
Week 10	Agents Used in Dyslipidemia	Chapter 35 From Basic and clinical pharmacology
Week 11	Nonsteroidal Anti-Inflammatory Drugs, Disease-Modifying Antirheumatic Drugs, Nonopioid Analgesics, & Drugs Used in Gout	Chapter 36 From Basic and clinical pharmacology
Weeks 12, 13	Drugs used In Asthma	Chapter 20 From Basic and clinical pharmacology
Weeks 14, 15	Drugs used in the Treatment of GIT diseases	Chapter 62 From Basic and clinical pharmacology

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Describe the molecular, cellular, and physiological mechanisms underlying normal cell/organ function; the pathophysiological changes that occur in the etiology of the cardiovascular, respiratory, and gastrointestinal problems. [1PLO1.1] [1L7K1]	10%	
Identify the molecular pharmacology and the mechanism of action of drugs used for treatment of cardiovascular, respiratory, and gastrointestinal problems. [1PLO1.1] [1L7K1]	50%	
Identify the pharmacokinetic properties of drugs used for treatment of cardiovascular, respiratory, and gastrointestinal problems. [1PLO1.1] [1L7K1]	20%	
Outline side or adverse effects, toxicities and indications of drugs used for treatment of cardiovascular, respiratory, and gastrointestinal problems. [1PLO1.1] [1L7K1]	20%	

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
100															

Relationship to NQF Outcomes (Out of 100%)	
	L7K1
	100

Evaluation	
Assessment Tool	Weight
First Exam	30%
Second Exam	25%
Active Learning (Student Assignment)	5%

Final Exam	40%
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Policy	
Exams	<p>The format for the exams includes multiple-choice questions, clinical case scenarios, and short essay questions. Grades will not be given out via e-mail.</p> <p>Makeup Exams Makeup exam should not be given unless there is a valid excuse. Arrangements to take an exam at a time different than the one scheduled MUST be made prior to the scheduled exam time.</p>
Cheating	<p>Cheating and academic dishonesty 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.</p> <p>المادة 7 : إذا ضبط الطالب أثناء الامتحان أو الاختبار متلبسا بالغش فتوقع عليه العقوبات التالية مجتمعة أ. اعتباره راسبا في ذلك الامتحان أو الاختبار ب. الغاء تسجيله في بقية المساقات المسجل لها في ذلك الفصل ج. فصله من الجامعة لمدة فصل دراسي واحد، وهو الفصل التالي للفصل الذي ضبط فيه</p>
Attendance	<p>Excellent attendance is expected. JUST policy requires the faculty member to assign a ZERO grade (35%) if a student misses a total of 20% of classes. If you miss class, it is your responsibility to find out about any announcements or assignments you may have missed.</p>
Active Participation	<p>Excellent participation in class is expected. Students are also encouraged to ask questions.</p>
Withdraw from the course	<p>Last day to drop the course is before the twelve (12th) week of the current semester.</p>

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