



**Jordan University of Science and Technology**  
**Faculty of Pharmacy**  
**Pharmacy Department**

PHAR343 Pharmacology 2 - JNQF Level: 7
First Semester 2024-2025

<b>Course Catalog</b>
3 Credit Hours. This course introduces comprehensive pharmacological concepts of drugs acting on the cardiovascular system, respiratory system, gastrointestinal tract, and anti-inflammatory agents.
<b>Teaching Method:</b> Blended

<b>Text Book</b>	
<b>Title</b>	Basic and clinical pharmacology
<b>Author(s)</b>	Bertram G. Katzung and McGraw-Hill
<b>Edition</b>	16th Edition
<b>Short Name</b>	Basic and clinical pharmacology
<b>Other Information</b>	

**Course References**

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

<b>Instructor</b>	
<b>Name</b>	<b>Dr. Rasha Khader</b>
<b>Office Location</b>	M5 - L-4
<b>Office Hours</b>	Sun : 09:00 - 09:30 Sun : 11:30 - 13:30 Mon : 13:00 - 13:30 Tue : 09:00 - 09:30 Tue : 11:30 - 13:30 Wed : 13:00 - 13:30
<b>Email</b>	rekhader@just.edu.jo

<b>Instructor</b>	
<b>Name</b>	<b>Dr. Khawla Nuseir</b>
<b>Office Location</b>	P1 L2
<b>Office Hours</b>	Sun : 11:30 - 12:30 Sun : 14:30 - 15:30 Tue : 12:30 - 13:30 Tue : 14:30 - 15:30 Wed : 13:30 - 14:30 Thu : 12:30 - 13:30
<b>Email</b>	kqnuseir@just.edu.jo

<b>Instructor</b>	
<b>Name</b>	<b>Dr. QUSAI AL-SHARE</b>
<b>Office Location</b>	M5 L-4
<b>Office Hours</b>	Mon : 09:30 - 11:30 Tue : 11:00 - 12:00 Wed : 09:30 - 11:30 Thu : 09:30 - 10:30
<b>Email</b>	qyshare@just.edu.jo

<b>Class Schedule &amp; Room</b>
----------------------------------

Section 1:  
Lecture Time: Sun, Tue : 09:30 - 10:30  
Room: D4203

Section 2:  
Lecture Time: Sun, Tue : 10:30 - 11:30  
Room: PH2104

Section 4:  
Lecture Time: Sun, Tue : 10:30 - 11:30  
Room: M1304

Section 5:  
Lecture Time: Sun, Tue : 13:30 - 14:30  
Room: D4202

Section 6:  
Lecture Time: Mon, Wed : 08:30 - 09:30  
Room: N4201

Section 7:  
Lecture Time: Mon, Wed : 11:30 - 12:30  
Room: M3304

Prerequisites		
Line Number	Course Name	Prerequisite Type
302421	PHAR242 Pharmacology 1	Prerequisite / Study

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

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%	

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
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%

Policy	
Exams	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. 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.
Cheating	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. المادة 7 : إذا ضيق الطالب أثناء الامتحان أو الاختبار مثلثيسا 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
Attendance	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.
Active Participation	Excellent participation in class is expected. Students are also encouraged to ask questions.
Withdraw from the course	Last day to drop the course is before the twelve (12th) week of the current semester.

Date Printed: 2024-10-20