

Jordan University of Science and Technology Faculty of Pharmacy Pharmacy Department

PHAR344 Pharmacology 3 - JNQF Level: 7

First Semester 2024-2025

Course Catalog

3 Credit Hours. This course discusses the pharmacology of chemotherapeutic agents including antibacterial, antifungal, antiviral, and anticancer agents. This course also discusses the pharmacology of hormones and drugs acting on the endocrine system.

Teaching Method: On Campus

	Text Book					
Title	Basic and Clinical Pharmacology					
Author(s)	Bertram G. Katzung					
Edition	16th Edition					
Short Name	Ref#1					
Other Information						

Course References

Short name	Book name	Author(s)	Edition	Other Information
Ref#2	Katzung & Trevor's Pharmacology Examination and Board Review	Anthony Trevor, Bertram Katzung, Marieke Knuidering-Hall	14th Edition	

Instructor				
Name	Prof. Maha Al-Keilani			
Office Location	P1L0			
Office Hours				
Email	mskeilani@just.edu.jo			

Class Schedule & Room

Section 1:

Lecture Time: Mon, Wed: 11:30 - 13:00

Room: N4202

Prerequisites						
Line Number	Course Name	Prerequisite Type				
303430	PHAR343 Pharmacology 2	Prerequisite / Study				
302512	PHAR251 Pharmaceutical Microbiology	Prerequisite / Study				

	Tentative List of Topics Covered					
Weeks	Торіс	References				
Weeks 1, 2, 3	Anticancer drugs	From Ref #1				
Weeks 3, 4	Antiviral agents	From Ref #2				
Weeks 4, 5	Antifungal Agents	From Ref#1				
Week 6	Beta-Lactam and Other Cell Wall and Membrane Active Antibiotics	From Ref#1				
Week 7	Tetracycline, Macrolides, Clindamycin, Chloramphenicol, Streptogramines, and Oxazolidinones	From Ref#1				
Week 8	Aminoglycosides and Spectinomycin	From Ref#1				
Week 9	Sulfonamides, Trimethoprim, and Quinolones	From Ref#1				
Week 10	Hypothalamic and Pituitary Hormones	From Ref #2				
Week 11	Adrenocorticosteroids & Adrenocortical Antagonists	From Ref #2				
Weeks 11, 12	Gonadal Hormones & Inhibitors	From Ref #2				
Week 12	Thyroid and Antithyroid drugs	From Ref#1				

Weeks 13, 14	Pancreatic Hormones and Antidiabetic drugs	From Ref #1	l
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Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Describe the molecular pharmacology and the mechanism of action of hormonal therapies and commonly used chemotherapeutic agents. [1PLO1.1] [1L7K1]	50%	
Describe the adverse effects of the hormonal therapies and commonly used chemotherapeutic agents. [1PLO1.1] [1L7K1]	20%	
Identify the pharmacokinetic properties of hormonal therapies and commonly used chemotherapeutic agents. [1PLO1.1] [1L7K1]	20%	
Outline the indications of hormonal therapies and commonly used chemotherapeutic agents. [1PLO1.1] [1L7K1]	10%	

PLO1.	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		PLO- PT2.2	
100																	

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

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

	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 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 examples and the scheduled examples are scheduled.
Cheating and academic dishonesty	The commitment of any acts of cheating and deceit such as copying during examinations, altering examinations for re-grade, plagiarism of homework assignments, and in any way replaced to student disciplinary regulations at the university can be found here: chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://www.just.edu.jo/aboutjust/RegulationsTemp/41%20%D9%86%D8%B8%D8%A7%D9%85%20%D8%AA%D8%A3%D8%AF%
	The university now requires all students to read and agree to the code of conduct during exams.
	In this course, all forms of electronic devices (phones, tablets, smartwatches, etc.) need to be turned off completely during exams. Headphones, earphones, and hats are forbidden dulf any of the above items are required during the exam (e.g., for medical reasons), the student is required to communicate this with the teacher beforehand. Any breach of the above will result in a strict punishment.
Attendance	Excellent attendance is expected. JUST attendance automatically assigns a ZERO grade (35%) if a student misses a total of 20% of classes. If you miss class, it is your responsibility
Participation	Excellent participation in class is expected. Students are encouraged to ask questions.
Drop date	Last day to drop the course is before the 12th week of the current semester.
Classroom etiquette	Make sure you arrive at class on time. Respect people, places, and things Raise your hand to speak. Listen respectfully. Do not engage in aside conversations. Texting is not permitted in class. The use of cell phones, smartphones, or other mobile communication devices in manners not related to class is disruptive and is therefore prohibited during class without permission.
Contact in writing and email etiquette	To contact the teacher via email, you need to title the email with ?Your student ID ? Module name ? Class number?. For example, ?00000 ? Pharmacology 3 ? Class 2.? Do NOT write the entire content of the email in the title. Do NOT write very long emails. Rather, book a slot during office hours to discuss the issue. Only emails from JUST domain will be read and replied to. Emails sent from personal emails (e.g., Gmail) will be immediately deleted. Only three forms of contact are allowed, email, Teams, and E-learning. Contacting the teacher via nonprofessional platforms (e.g., messenger) is prohibited. Body of the email: Your emails should always start with a formal greeting like you would in a letter, be brief (one screen length), check your spelling/grammar/punctuation, use a profess you or sincerely). Avoid sending an email to your professor asking about grades or complaining about them. Schedule an appointment to meet in person to discuss areas for improvement if you have in Consider the impression your tone will make in the email. It is recommended to wait 24 hours before sending an email or responding to an email if you are emotionally charged. It is not appropriate to write in ALL CAPS. This conveys the impression that you are shouting at the recipient. Make sure you read and reread your email before sending it. Make sure your emails are grammatically correct, have proper titles, and are properly spelled. You should double-check your attachments. Refer to your attachments within the body of your email. It is advisable to avoid attaching large files and to consider sending the document Please allow sufficient time for a response. The sender and receiver should both allow sufficient time. As a rule of thumb, 72 hours should be given. If sending emails after official work response is received, you can follow up.

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