



Jordan University of Science and Technology
Faculty of Pharmacy
Pharmacy Department

PHAR447 Clinical Cases Lab 1 - JNQF Level: 7
First Semester 2024-2025

Course Catalog
1 Credit Hours. Develop clinical skills necessary to solve problems related to supplying patients with cost-effective and safe treatment. Discussion of clinical cases of patients suffering from cardiovascular, renal, endocrine, respiratory, and gastrointestinal tract diseases.
Teaching Method: On Campus

Text Book	
Title	Pharmacotherapy Casebook: A Patient-Focused Approach
Author(s)	Terry L. Schwinghammer, Julia M. Koehler, Jill S. Borchert, Douglas Slain, Sharon K. Park
Edition	11th Edition
Short Name	Text book 1
Other Information	

Instructor	
Name	Miss Najat Al Khatatbeh
Office Location	P2-L2
Office Hours	
Email	njkatatbeh@just.edu.jo

Class Schedule & Room
Section 2: Lecture Time: Sun : 14:30 - 16:30 Room: LAB
Section 3: Lecture Time: Mon : 14:30 - 16:30 Room: LAB
Section 5: Lecture Time: Tue : 14:30 - 16:30 Room: LAB
Section 6: Lecture Time: Wed : 14:30 - 16:30 Room: LAB
Section 7: Lecture Time: Thu : 10:30 - 12:30 Room: LAB
Section 8: Lecture Time: Thu : 12:30 - 14:30 Room: LAB
Section 9: Lecture Time: Thu : 14:30 - 16:30 Room: LAB

Prerequisites		
Line Number	Course Name	Prerequisite Type
304453	PHAR445 Therapeutics 1	Pre./Con.

Tentative List of Topics Covered		
Weeks	Topic	References
Week 1	introduction	Chapter 3 From Text book 1
Week 2	Hypertension	Chapter 12 From Text book 1

Week 3	Heart failure	Chapter 18 From Text book 1
Week 4	hyperlipidemia and Ischemic heart disease/ acute coronary syndrome	Chapters 14, 15, and 16 From Text book 1
Week 5	Arrhythmias	Chapter 26 From Text book 1
Week 6	Venous thromboembolism	Chapter 21 From Text book 1
Week 7	Chronic kidney disease	Chapter 55 From Text book 1
Week 8	Diabetes mellitus	Chapters 83, 84, and 85 From Text book 1
Week 9	Asthma	Chapter 30 From Text book 1
Week 10	Chronic obstructive pulmonary disease (COPD)	Chapter 31 From Text book 1
Week 11	Gastroesophageal reflux disease (GERD) and Peptic ulcer disease	Chapters 34, 35, and 36 From Text book 1
Week 12	Hospital cases presentations and discussion	

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Develop a comprehensive pharmaceutical care plan for any patient [1PLO3.1] [1L7S1]	50%	Final EXAM, Midterm exam, Quizzes, Group case discussion and problem solving, Hospital training group case discussion
Assess therapy outcomes [1PLO3.3] [1L7S2]	20%	Final EXAM, Midterm exam, Quizzes, Group case discussion and problem solving, Hospital training group case discussion
Find and provide evidence based practice recommendation for general population [1PLO2.4] [1L7K1]	10%	Final EXAM, Midterm exam, Quizzes, Group case discussion and problem solving, Hospital training group case discussion
find drug-drug interactions and effectively communicates its solving strategies to patients and other health care providers [1PLO3.6] [1L7S2]	10%	Final EXAM, Midterm exam, Quizzes, Group case discussion and problem solving, Hospital training group case discussion
Recommend appropriate patient education about their drug therapy [1PLO3.2] [1L7C4]	10%	Final EXAM, Midterm exam, Quizzes, Group case discussion and problem solving, Hospital training group case discussion

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
		10	20			10	50			10									

Relationship to NQF Outcomes (Out of 100%)			
L7K1	L7S1	L7S2	L7C4
10	50	30	10

Evaluation	
Assessment Tool	Weight
Final EXAM	40%
Midterm exam	20%
Quizzes	15%
Group case discussion and problem solving	15%
Hospital training group case discussion	10%

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	Prohibited, and in case of cheating the student will be subject to punishment according to the standard regulations and protocols of JUST.
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.
Participation	Excellent participation in class is expected. Students are also encouraged to ask questions after or at the office during office hours.
Communication with Instructors	1. Students should communicate through their official JUST emails. Communication through personal email accounts (Yahoo, Gmail, Hotmail, etc.) or social media will NOT be accepted, and no response will be provided. 2. Students are required to check their JUST email accounts and the E-learning page of the course regularly for announcements and notifications.

Classroom Etiquette	<p>1. Respect:</p> <ul style="list-style-type: none"> o Make sure you arrive to class on time. o Respect people, places, and things. o Raise your hand to speak. o Listen respectfully. o Food and drink are not permitted in class. o Do not engage in aside conversations. <p>3. Cell Phones and Electronic Devices:</p> <ul style="list-style-type: none"> o Texting is not permitted in class. o The use of cell phones, smartphones, or other mobile communication devices is disruptive and is therefore prohibited during class without permission. o Your phone should be turned off. If you must keep your phone on, you should set it to vibrate or silent mode and leave class if you receive an emergency call.
Email Etiquette 1. T	<ol style="list-style-type: none"> 1. Type your email in the body of the email NOT in the subject line. 2. Provide a clear subject line. Keep it short and to the point, but not vague. Name, class, and what the email is specifically about should be in the subject line. 3. 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 professional font (not decorative), and include a salutation aligned with your message (Thank you or Sincerely). 4. 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 inquiries. 5. Consider the impression your tone will make in the email. It is recommended waiting 24 hours before sending an email or responding to an email if you are emotionally charged. 6. It is not appropriate to write in ALL CAPS. This conveys the impression that you are shouting at the recipient. 7. Make sure you read and reread your email before sending it. Make sure your emails they are grammatically correct, have proper titles, and are properly spelled. 8. If you have multiple questions or the message runs long, you might consider revising the message or scheduling a face-to-face meeting. 9. 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 as a PDF. 10. Please allow sufficient time for a response. The sender and receiver should both allow sufficient time. As a rule of thumb, 24 work hours should be given. If sending emails after official work hours or during formal vacations, a delay in response is expected. Following that, if no response is received, you can follow up.
Other Useful References/Resources	<ol style="list-style-type: none"> 1. Joseph T. Dipiro. Pharmacotherapy A Pathophysiological Approach, 11th edition. 2. www.uptodate.com 3. www.lexicomp.com 4. www.dynamedplus.com
Teaching and Learning Methods	<ol style="list-style-type: none"> 1. Different clinical cases will be discussed with students in each lab. 2. Students will be assigned into groups. Each group will be responsible for managing patients conditions in the case through group discussion, problem solving techniques and using appropriate resources. 3. Some cases/topics will be given as assignments, so that each student practice case solving on his/her own. 4. Quizzes are administered each lab at different times to test students comprehension of the topic being discussed. 5. In some labs, different scenarios are presented about patients? case and the appropriate intervention based on it, to imitate the clinical practice of pharmacy. 6. Each group of students will visit the hospital once per semester under the supervision of ward preceptor. Students are requested to interview patients and collect their relevant medical and drug data, as well as to retrieve other data from medical records. The groups will then submit a case report and present/discuss the case in the lab by the day indicated.

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