



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

PHMD448 Clinical Cases 2 (For Pharm D Students)

Second Semester 2022-2023

Course Catalog

1 Credit Hours. Developing clinical skills necessary to solve problems related to supplying patients with cost-effective and safe treatment. Discussion of clinical cases in patients suffering from hematological and immune disorders, cancer, and diseases of the cardiovascular system.

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	Ref. 1
Other Information	Publisher: McGraw-Hill.

Instructor

Name	Mrs. Rania Jammal
Office Location	P2 L-0
Office Hours	
Email	rmjammal@just.edu.jo

Class Schedule & Room

Section 5:
Lecture Time: Tue : 12:30 - 14:30
Room: LAB

Section 7:
Lecture Time: Tue : 14:30 - 16:30
Room: LAB

Section 8:
Lecture Time: Wed : 10:30 - 12:30
Room: LAB

Section 9:
Lecture Time: Wed : 12:30 - 14:30
Room: LAB

Section 11:
Lecture Time: Mon : 12:30 - 14:30
Room: LAB

Section 12:
Lecture Time: Thu : 12:30 - 14:30
Room: LAB

Section 13:
Lecture Time: Thu : 14:30 - 16:30
Room: LAB

Section 14:
Lecture Time: Thu : 10:30 - 12:30
Room: LAB

Tentative List of Topics Covered		
Weeks	Topic	References
Week 1	Introduction	
Week 2	Hypertension	Chapter 5 From Ref. 1
Week 3	Anemia	Chapter 100 From Ref. 1
Week 4	Heart Failure	Chapter 6 From Ref. 1
Week 5	Rheumatoid Arthritis	Chapter 150 From Ref. 1
Week 6	Ischemic Heart Disease	Chapter 7 From Ref. 1
Week 7	Leukemia	Chapter 134 From Ref. 1
Week 8	Acute Coronary Syndrome	Chapter 8 From Ref. 1
Week 9	Breast Cancer	Chapter 128 From Ref. 1
Week 10	Arrhythmia (Atrial Fibrillation)	Chapter 9 From Ref. 1
Week 11	Colorectal Cancer	Chapter 130 From Ref. 1
Week 12	Hospital training group case discussion	

Mapping of Course Outcomes to Program Student Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Develop a comprehensive pharmaceutical care plan for any patient [1PLO3.1]	50%	
Assess therapy outcomes [1PLO3.3]	20%	
Find updated therapeutic information about any condition [1PLO3.2]	10%	
Solve drug-drug interactions [1PLO3.1]	10%	
Recommend appropriate patient education about their drug therapy [1PLO3.2]	10%	

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	PLO5.1
					60	20	20									

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

Policy	
Exams	All exams are closed book and notes. The final exam is comprehensive (covers all the material). Incomplete exams need approval from the dean or the chair of the department. 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. In case of cheating the student will be subject to punishment according to the standard regulations and protocols of JUST.
Attendance	1. Excellent attendance is expected. 2. JUST policy requires the faculty member to assign a ZERO grade (35%) if a student misses 20% of the classes. 3. If you miss class, it is your responsibility to find out about any announcements or assignments you may have missed.
Withdraw	Withdrawal from the course must meet the university deadline as stated in the current student academic calendar.
Participation	Excellent participation in class is expected. Students are also encouraged to ask questions after or at the office during office hours.
Calculator	You will need to have and practice using a scientific calculator. It is imperative that the calculator is not programmable. The calculator will be inspected during the mid-term and the final exams to make sure it complies with the course policies.
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	<ol style="list-style-type: none"> 1. Make sure you arrive at class on time 2. Respect people, places, and things 3. Raise your hand to speak 4. Listen respectfully 5. Food and drink are not permitted in class 6. Do not engage in aside conversations 7. Cell phones and electronic devices are not allowed during class time 8. Texting is not permitted in class 9. The use of cell phones, smartphones, or other mobile communication devices is disruptive and is therefore prohibited during class without permission. 10. 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	<ol style="list-style-type: none"> 1. Type your email into 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 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.
Useful 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.dynamed.com
Teaching & Learning Methods	<ol style="list-style-type: none"> 1. Different clinical cases will be discussed 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 and problem-solving approach using the 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 at different times to test students comprehension of the topic being discussed in every lab. 5. In some labs, different scenarios are presented regarding cases of patients case and the appropriate intervention based on it, to replicate the clinical pharmacy practice. 6. Each group of students will visit the hospital once per semester under the supervision of a 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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