



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

PHMD546 Clinical Cases 4 (For Pharm D)Students) - JNQF Level: 7

Second Semester 2023-2024

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 pediatrics, women and men health, and comprehensive and critical care clinical cases.

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 | Ref. 1 |
| Other Information | |

Course References

| Short name | Book name | Author(s) | Edition | Other Information |
|------------|---|---|-------------|-------------------|
| Ref. 2 | Pharmacotherapy Principles and Practice Study Guide | Michael D. Katz, Kathryn R. Matthias, Marie A. Chisholm-Burns | 4th Edition | |

Instructor

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| Name | Miss Najat Al Khatatbeh |
| Office Location | P2-L2 |
| Office Hours | Sun : 12:30 - 14:30 Tue : 12:30 - 14:30 Wed : 12:30 - 14:30 Thu : 10:30 - 12:30 |
| Email | njkatatbeh@just.edu.jo |

Class Schedule & Room

Section 1:
Lecture Time: Sun : 10:30 - 12:30
Room: LAB

Section 3:
Lecture Time: Sun : 14:30 - 16:30
Room: LAB

Section 4:
Lecture Time: Mon : 10:30 - 12:30
Room: LAB

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

Section 6:
Lecture Time: Mon : 14:30 - 16:30
Room: LAB

Section 8:
Lecture Time: Tue : 14:30 - 16:30
Room: LAB

Section 10:
Lecture Time: Wed : 14:30 - 16:30
Room: LAB

Section 11:
Lecture Time: Thu : 14:30 - 16:30
Room: LAB

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

| Tentative List of Topics Covered | | |
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| Weeks | Topic | References |
| Week 1 | Introduction | Chapter 1 From Ref. 1 , From Ref. 2 |
| Week 2 | Oral contraceptives | Chapter 92 From Ref. 1 , Chapter 52 From Ref. 2 |
| Week 3 | Clinical cases in pediatrics-1 (Viral gastroenteritis) | Chapter 44 From Ref. 1 |
| Week 4 | Pregnancy | Chapter 91 From Ref. 1 , Chapter 51 From Ref. 2 |
| Week 5 | Clinical cases in pediatrics-2 (Cystic fibrosis) | Chapter 33 From Ref. 1 |
| Week 6 | Menstrual related disorders | Chapter 94 From Ref. 1 , Chapter 50 From Ref. 2 |
| Week 8 | Clinical cases in pediatrics-3 (Otitis media) | Chapter 122 From Ref. 1 |
| Week 9 | Benign prostatic hyperplasia | Chapter 98 From Ref. 1 , Chapter 55 From Ref. 2 |
| Week 10 | Clinical cases in pediatrics-4 (ADHD) | Chapter 73 From Ref. 1 , Chapter 44 From Ref. 2 |
| Week 11 | Urinary incontinence | Chapter 99 From Ref. 1 , Chapter 56 From Ref. 2 |
| Week 12 | Osteoporosis | Chapter 105 From Ref. 1 , Chapter 59 From Ref. 2 |
| Week 13 | Hospital training group case 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% | |
| Assess therapy outcomes [1PLO3.3] [1L7S2] | 20% | |
| Find updated therapeutic information about any condition [1PLO3.2] [1L7K1] | 10% | |
| Solve drug-drug interactions [1PLO3.1] [1L7S2] | 10% | |
| Recommend appropriate patient education about their drug therapy [1PLO3.2] [1L7C4] | 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 |
| | | | | | 60 | 20 | 20 | | | | | | | | |

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

| Evaluation | |
|-----------------|--------|
| Assessment Tool | Weight |
| Midterm Exam | 20% |
| Reports | 15% |
| Quizzes | 15% |
| Hospital report | 10% |
| Final Exam | 40% |

| Policy | |
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| 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. |
| Participation | Excellent participation in class is expected. Students are also encouraged to ask questions after or at the office during office hours. |
| Withdraw | Withdrawal from the course must meet the university deadline as stated in the current student academic calendar. |
| 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 | 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. |

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| 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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