



Jordan University of Science and Technology
Faculty of Pharmacy
Pharmacy Department

PHAR547 Therapeutics (2) - JNQF Level: 7

Second Semester 2023-2024

Course Catalog

3 Credit Hours. This course focuses on pharmacotherapy of neurological and psychiatric disorders, infectious diseases, immunological and hematological diseases, and tumors in relation to the pathophysiologic conditions of the patient. Concepts of drug action, therapeutic uses, goals of treatment, therapeutic plan, patient counseling, drug monitoring and evaluation of the therapeutic outcomes. Methods of interacting and supporting other members of the medical care team by developing and evaluating patient's therapeutic plans and offering alternative therapeutic options/plans when needed. Prerequisite: PHAR446.

Teaching Method: On Campus

Text Book

| | |
|--------------------------|---|
| Title | Pharmacotherapy Principles and Practice |
| Author(s) | Chisholm-Burns et al |
| Edition | 6th Edition |
| Short Name | Ref # 1 |
| Other Information | |

Class Schedule & Room

Section 1:
 Lecture Time: Sun, Tue, Thu : 13:30 - 14:30
 Room: N1303

Tentative List of Topics Covered

| Weeks | Topic | References |
|------------|---|---------------------------------------|
| Weeks 1, 2 | Patient assessment, antimicrobial selection and stewardship | chapter 72 From Ref # 1 |
| Week 3 | Upper respiratory tract infection | chapter 75 From Ref # 1 |
| Week 4 | Lower respiratory Tract Infections | chapter 74 From Ref # 1 |
| Week 5 | Urinary Tract Infections | chapter 82 From Ref # 1 |
| Week 6 | Superficial fungal infections- Vulvovaginal candidiasis | chapter 85 From Ref # 1 |
| Weeks 7, 8 | CNS infections | chapter 73 From Ref # 1 |
| Week 10 | Colorectal Cancer | Chapter 91 From Ref # 1 |
| Week 9 | Breast Cancer | chapter 89 From Ref # 1 |
| Week 14 | Major depressive disorder | chapter 39 From Ref # 1 |
| Week 12 | Headache | chapter 36 From Ref # 1 |
| Week 11 | Anemia | chapter 69 From Ref # 1 |
| Week 13 | Alzheimer Disease | Chapter 30 From Ref # 1 |

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes

**Course Outcome Weight
(Out of 100%)**

**Assessment
method**

| | | |
|--|-----|--|
| Describe the epidemiology, etiology, pathophysiology and clinical presentation (signs, symptoms, lab/diagnostics tests) of the disease [1PLO1.1] [1L7K1] | 30% | |
| Design a therapeutic plan utilizing evidence-based medicine [1PLO3.1] [1L7S1] | 45% | |
| Prepare a monitoring and follow-up plan to evaluate the safety and efficacy of therapy [1PLO2.1] [1L7S2] | 15% | |
| Illustrate patient education concepts about medication use and disease status [1PLO3.2] [1L7C3] | 10% | |

| Relationship to Program Student Outcomes (Out of 100%) | | | | | | | | | | | | | | | |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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 |
| 30 | 15 | 10 | | | | | 45 | | | | | | | | |

| Relationship to NQF Outcomes (Out of 100%) | | | |
|--|------|------|------|
| L7K1 | L7S1 | L7S2 | L7C3 |
| 30 | 45 | 15 | 10 |

| Evaluation | |
|----------------------|--------|
| Assessment Tool | Weight |
| First Exam | 25% |
| Second Exam | 25% |
| Interactive Learning | 10% |
| Final Exam | 40% |

| Policy | |
|---------------|---|
| Exam | All exams are closed book and notes. The final exam is comprehensive (covers all the material). Makeup exam should not be given unless there is a valid excuse approved by the dean |
| Cheating | Prohibited; and in case of cheating the student will be subject to punishment according to the university law |
| Attendance | According to the JUST policy, it requires the faculty member to assign ZERO grade (35) if a student misses 10% of the classes that are not excused |
| Participation | Students are encouraged to ask questions and actively participate in the learning process during the lecture |
| Laboratory | Lab of clinical cases (pharm 549) is linked to this therapeutic course and it involves discussion of cases related to selected topics. |
| Withdraw | Last day to drop the course is before the twelve (12th) week of the current semester |

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