



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

PHMD647 Clinical Training: Cardiology (For Pharm D Students) - JNQF Level: 7

First Semester 2024-2025

Course Catalog

4 Credit Hours. This course consists of 4 weeks of hands-on training in various cardiovascular units. The training includes activities such as inpatients follow-up and monitoring, attending the morning patient rounds, other periodical clinical rounds, discussing clinical cases and detailed evaluation of the pharmacotherapy as well as medication counseling for patients in the department.

Teaching Method: On Campus

Text Book

Title	Pharmacotherapy principle and practice
Author(s)	Marie Chisholm-Burns et al.
Edition	6th Edition
Short Name	Principles and Practice
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
A Pathophysiologic Approach	Pharmacotherapy: A Pathophysiologic Approach	J. Dipiro, R. Talbert et al	11th Edition	

Instructor

Name	Mrs. RUWIDAH BONYAN
Office Location	26773
Office Hours	Sun : 10:30 - 11:30 Sun : 11:30 - 12:30 Mon : 10:30 - 11:30 Tue : 10:30 - 11:30 Wed : 10:30 - 11:30 Thu : 10:30 - 11:30
Email	rmbonyan9@just.edu.jo

Class Schedule & Room

<p>Section 1: Lecture Time: U : - Room: HOSPITAL</p> <p>Section 2: Lecture Time: U : - Room: HOSPITAL</p> <p>Section 3: Lecture Time: U : - Room: HOSPITAL</p> <p>Section 4: Lecture Time: U : - Room: HOSPITAL</p> <p>Section 5: Lecture Time: U : - Room: HOSPITAL</p>

Tentative List of Topics Covered		
Weeks	Topic	References
Weeks 1, 2, 3, 4	Hypertension	From Principles and Practice
Weeks 1, 2, 3, 4	Heart Failure	From Principles and Practice
Weeks 1, 2, 3, 4	Stable ischemic heart disease	From Principles and Practice
Weeks 1, 2, 3, 4	Acute coronary syndrome	From Principles and Practice
Weeks 1, 2, 3, 4	Arrhythmia	From Principles and Practice
Weeks 1, 2, 3, 4	Venous Thromboembolism	From Principles and Practice
Weeks 1, 2, 3, 4	Stroke	From Principles and Practice
Weeks 1, 2, 3, 4	Dyslipidemia	From Principles and Practice
Weeks 1, 2, 3, 4	Hypovolemic shock	From Principles and Practice
Weeks 1, 2, 3, 4	Use of vasopressors in Hypovolemic Shock	From A Pathophysiologic Approach
Weeks 1, 2, 3, 4	Cardiac arrest	From A Pathophysiologic Approach
Weeks 1, 2, 3, 4	Peripheral artery disease	From A Pathophysiologic Approach

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Utilize tools to independently gather medication histories, physical findings, laboratory tests, and pharmacokinetic data to select and recommend optimal drug therapy for individual patients as necessary. [1PLO1.1] [1L7S1, 1L7C2]	25%	
Identify potential drug-related problems through the monitoring of basic pharmacokinetic and pharmacodynamic parameters and assessing past and current patients histories [1PLO2.1] [1L7S2, 1L7C4]	25%	
Apply current drug therapy information from the literature in formulating recommendations and comprehensive pharmaceutical care plan utilizing evidence-based medicine. [1PLO3.1] [1L7S3, 1L7C3]	30%	
Explain to patients and/or caregivers the appropriate use of medications utilizing medication therapy management principles when possible. [1PLO4.4] [1L7C1, 1L7C4]	20%	

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	
25	25				30									20		

Relationship to NQF Outcomes (Out of 100%)						
L7S1	L7S2	L7S3	L7C1	L7C2	L7C3	L7C4
12.5	12.5	15	10	12.5	15	22.5

Evaluation	
Assessment Tool	Weight
Daily evaluation	15%
Quizzes	10%
Attitude	5%
In-service	5%
Active Learning/Formal case presentation	15%
Active learning/Oral exam	10%
Final exam	40%

Policy	
Exams	All exams are closed book and notes. The final exam is comprehensive (covers all the material). Incomplete exams make-up requires approval from the deanship of college of pharmacy.
Cheating	Prohibited; and in case of cheating the student will be subject to punishment according to the Standard JUST policy will be applied
Attendance	According to JUST Policy: JUST policy requires the faculty member to assign ZERO grade (35) if a student miss > 10% of the rotations days without a validated/accepted excuse If you miss class, it is your responsibility to find out about any announcements or assignments you may have missed.
Withdraw	According to JUST standard Policy.
Participation	All students should interact during morning reports, clinical rounds and scientific discussion.
Laboratory	Training will be in hospital and not in the lab

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