



Jordan University of Science and Technology
Faculty of Pharmacy
Pharmacy Department

PHAR708 Clinical Training: Cardiology - JNQF Level: 9
First Semester 2024-2025

Course Catalog
1.5 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	Ref # 1
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
Ref # 2	Pharmacotherapy: A Pathophysiologic Approach	J. Dipiro, R. Talbert et al	11th Edition	
Ref # 3	AHA-ACC (ONLINE)	Jennifer S. Lawton, Jacqueline E. Tamis-Holland, et al	1st Edition	2021
Ref # 4	Up to date	James H Black,	1st Edition	

Instructor	
Name	Dr. Fatema Mahmoud
Office Location	-
Office Hours	Sun : 10:30 - 11:30 Sun : 13:30 - 14:30 Tue : 10:30 - 11:30 Wed : 13:30 - 14:30 Thu : 10:30 - 12:30
Email	fmmahmoud@just.edu.jo

Class Schedule & Room
Section 1: Lecture Time: U :- Room: HOSPITAL

Tentative List of Topics Covered		
Weeks	Topic	References
Weeks 1, 2, 3, 4	Hypertension	chapter 6 From Ref # 1
Weeks 1, 2, 3, 4	Heart failure and Acute decompensated heart failure	chapter 7 From Ref # 1
Weeks 1, 2, 3, 4	Updated Pharmacotherapy of dyslipidemia and treatment guidelines	chapter 13 From Ref # 1
Weeks 1, 2, 3, 4	Venous Thromboembolism	chapter 11 From Ref # 1
Weeks 1, 2, 3, 4	TIA, ischemic and hemorrhagic stroke	chapter 12 From Ref # 1
Weeks 1, 2, 3, 4	Ischemic heart disease and stable angina	chapter 8 From Ref # 1
Weeks 1, 2, 3, 4	Acute coronary syndrome, STEMI, NSTEMI	chapter 9 From Ref # 1
Weeks 1, 2, 3, 4	Coronary Artery Bypass Graft Surgery	From Ref # 3
Weeks 1, 2, 3, 4	Atrial Arrhythmias	chapter 10 From Ref # 1
Weeks 1, 2, 3, 4	Ventricular arrhythmias	chapter 10 From Ref # 1
Weeks 1, 2, 3, 4	Valvular heart disease	From Ref # 3
Weeks 1, 2, 3, 4	Aortic aneurysm and dissection	From Ref # 4

Weeks 1, 2, 3, 4	Pericarditis, pericardial effusion and cardiac tamponade	From Ref # 3
Weeks 1, 2, 3	Peripheral Artery Disease	From Ref # 2, From Ref # 3
Weeks 1, 2, 3, 4	Cardiac Arrest	From Ref # 3
Weeks 1, 2, 3, 4	Rheumatic heart disease and rheumatic fever	From Ref # 3
Weeks 1, 2, 3, 4	Circulatory shock syndrome	chapter 14 From Ref # 1

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Advance student skills in obtaining medication and medical history to select and recommend optimal drug therapy for individual patients. [1PLO1.1] [1L9K1]	25%	
Categorize potential drug-related problems through assessing past and current patient's history. [1PLO3.3] [1L9S2]	25%	
Apply evidence-based medicine in formulating recommendations and developing comprehensive pharmaceutical care plan [1PLO3.3] [1L9C5]	30%	
Utilize medication therapy management principles to educate patients and caregivers about the appropriate use of medications [1PLO3.2] [1L9C4]	20%	

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
25		20	55																

Relationship to NQF Outcomes (Out of 100%)			
L9K1	L9S2	L9C4	L9C5
25	25	20	30

Evaluation	
Assessment Tool	Weight
Daily assessments	10%
Journal clubs	10%
Supervision of early experiential training	10%
OSCE station (or role play by real patients or out standers)	15%
Quizzes (2 written)	10%
Formal (written) Case Presentation	15%
Final written exam	30%

Policy	
EXAMS	All exams are closed book and notes. The final exam is comprehensive (covers all the material). The format for the exams is generally in the form of essay questions. Makeup exam should not be given unless there is a valid excuse approved by the dean. Grades will not be given out via e-mail.
Cheating	The commitment of the acts of cheating and deceit such as copying during examinations, altering examinations for re-grade, plagiarism of homework assignments, and in any way representing the work of others as your own is dishonest and will not be tolerated. Standard JUST policy will be applied المادة 7: إذا ضبط الطالب أثناء الامتحان أو الاختبار متلبساً بالغيش فتوقع عليه العقوبات التالية مجتمعة: - أ- اعتباره راسباً في ذلك الامتحان أو الاختبار - ب- الغاء تسجيله في بقية المساقات المسجل لها في ذلك الفصل - ج- فصله من الجامعة لمدة فصل دراسي واحد، و هو الفصل التالي للفصل الذي ضبط فيه
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.
Participation	All students should interact during morning reports, clinical rounds and scientific discussion
Withdraw	The last day to drop the course is before the twelve (12th) week of the current semester.

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