



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

PHMD541 Therapeutics- Endocrine And Renal Systems (For Pharm D Students) - JNQF Level: 7

First Semester 2024-2025

Course Catalog

2 Credit Hours. Pharmacotherapy of endocrine and renal systems diseases 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.

Teaching Method: Blended

Text Book

Title	Pharmacotherapy: A Pathophysiologic Approach
Author(s)	Joseph T. DiPiro, Robert L. Talbert, Gary C. Yee, Gary R. Matzke, Barbara G. Wells, L. Michael Posey
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	Marie Chisholm-Burns, Terry Schwinghammer, Barbara Wells, Patrick Malone, Joseph DiPiro	6th Edition	

Instructor

Name	Prof. Sayer Al-Azzam
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Office Hours	
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Instructor

Name	Dr. Osama Alshogran
Office Location	P2-L-2
Office Hours	Sun : 09:00 - 10:00 Sun : 10:00 - 11:00 Mon : 09:00 - 11:00 Tue : 13:30 - 14:30 Wed : 09:00 - 10:00
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Class Schedule & Room

Section 1:
Lecture Time: Sun : 10:30 - 11:30
Room: SOUTH HALL

Section 2:
Lecture Time: Sun : 12:30 - 13:30
Room: SOUTH HALL

Tentative List of Topics Covered

Weeks	Topic	References
Week 1	Course Introduction	
Weeks 2, 3, 4, 5	Diabetes Mellitus & its Complications	Chapter 74 and American Diabetes Association Guidelines 2023 From Ref 1
Week 6	Thyroid Disorders	Chapter 75 From Ref 1
Weeks 8, 9	Acute Kidney Injury	Chapter 43 From Ref 1
Week 9	Drug Induced Kidney Disease	Chapter 46 From Ref 1
Weeks 10, 11	Chronic Kidney Disease (CKD) & Hemodialysis	Chapter 44 From Ref 1
Weeks 12, 13	Drug Therapy Adjustments in CKD	Chapter 48 From Ref 1
Week 7	Adrenal Gland Disorders	Chapter 76 From Ref 1
Week 7	Pituitary Gland Disorders	Chapter 77 From Ref 1

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Identify the definition, etiology, pathophysiology, signs/symptoms, and tests leading to the diagnosis and pharmacology of drug classes used in the management of common endocrine and renal diseases. [1PLO1.1] [1L7K1]	30%	
Design the most appropriate pharmacological and non-pharmacological plan for each condition and recommend the correct dosage form, dose, and dose intervals utilizing evidence-based medicine. [1PLO3.1] [1L7S1]	45%	
Prepare monitoring and follow-up plan to evaluate the efficacy and safety of therapy. [1PLO2.1] [1L7S2]	15%	
Illustrate patient education concepts about medication use and disease status. [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
30	15				45	10									

Relationship to NQF Outcomes (Out of 100%)

L7K1	L7S1	L7S2	L7C4
30	45	15	10

Evaluation

Assessment Tool	Weight
Midterm Exam	45%
Active Learning (Student Assignment)	5%
Final Exam	50%

Policy

Exams	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.
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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 بالغش 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.
Withdraw	Last day to drop the course is before the twelve (12th) week of the current semester.

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