



## Jordan University of Science and Technology

### Faculty of Pharmacy

### Doctor Of Pharmacy (Pharm D.) Department

PHMD548 Therapeutics- Comprehensive (For Pharm D Students)

Second Semester 2023-2024

#### Course Catalog

2 Credit Hours. This course provides students with in-depth therapeutic knowledge on the management of different disease conditions in special patients? groups such as the geriatrics, palliative settings and patients in the intensive care unit. It aims at providing students with the pathophysiologic basis, manifestations and management of conditions that require a multidisciplinary and comprehensive approach in the management. It covers a variety of topics such as acute CNS injuries, psychiatric manifestations in the intensive care unit, electrolytes and acid-base derangements, management of diabetic ketoacidosis. Furthermore, the students will be introduced to principles and application of clinical kinetics in the intensive care unit.

**Teaching Method:** On Campus

#### Text Book

Title	Pharmacotherapy: A Pathophysiological Approach
Author(s)	Joseph T Dipiro
Edition	11th Edition
Short Name	Ref#1
Other Information	

#### Course References

Short name	Book name	Author(s)	Edition	Other Information
Ref#2	Pharmacotherapy Handbook	Barbara Wells et al	11th Edition	

#### Instructor

Name	<b>Dr. Rawand Khasawneh</b>
Office Location	M5 L-4
Office Hours	
Email	rakhasawneh@just.edu.jo

#### Instructor

Name	<b>Dr. QUSAI AL-SHARE</b>
Office Location	M5 L-4
Office Hours	
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#### Class Schedule & Room

##### Section 1:

Lecture Time: Sun, Tue : 12:30 - 13:30

Room: D4202

##### Section 2:

Lecture Time: Sun, Tue : 13:30 - 14:30

Room: PH2104

##### Section 4:

Lecture Time: Mon, Wed : 08:30 - 09:30

Room: D4203

Tentative List of Topics Covered		
Weeks	Topic	References
Weeks 1, 2	Geriatrics	Chapter e22, e23,e24 From Ref#1
Weeks 3, 4	Electrolytes Disturbances	Chapters 66, 67, 68 From Ref#1
Week 5	Acid-base disturbances	Chapter 69 From Ref#1
Weeks 6, 7	Osteoporosis and Osteomalacia	Chapter 108 From Ref#1
Weeks 8, 9	Cirrhosis & Portal Hypertension	Chapter 21 From Ref#2
Weeks 10, 11	Diabetic Ketoacidosis	Chapter 91 From Ref#1
Week 12	Hypovolemic Shock	Chapter 12 From Ref#2
Weeks 13, 14	Gout and Hyperuricemia	Chapter 1 From Ref#2
Week 15	Palliative care	Chapter e28 From Ref#1

Mapping of Course Outcomes to Program Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Describe the epidemiology, etiology, pathophysiology, and clinical presentation (signs/symptoms, laboratory /diagnostic tests) of different diseases [1PLO1.1]	30%	
Design a therapeutic plan utilizing evidence-based medicine [1PLO3.1]	45%	
Prepare a monitoring and follow-up plan to evaluate the safety and efficacy of therapy [1PLO2.1]	15%	
Discuss different diseases and appropriate use of medications with patients [1PLO3.2]	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									

Evaluation	
Assessment Tool	Weight
Active learning	10%
Final Exam	40%
First Exam	25%
Second Exam	25%

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.
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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