



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

PHMD441 Therapeutics: Neurological And Psychiatric Disorders - JNQF Level: 7

First Semester 2024-2025

Course Catalog

2 Credit Hours. Pharmacotherapy of neurological and psychiatric disorders 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: On Campus

Text Book

Title	Pharmacotherapy A Pathophysiologic Approach
Author(s)	Dipiro et al.
Edition	11th Edition
Short Name	Ref #1
Other Information	https://accesspharmacy.mhmedical.com/content.aspx?bookid=2577&ionid=219310724#1174410659

Course References

Short name	Book name	Author(s)	Edition	Other Information
Epilepsy Extra	ILAE	On line	1st Edition	https://www.ilae.org/
Ref #3	Electronic Data Bases	Varied	30th Edition	On line

Instructor

Name	Dr. Khawla Nuseir
Office Location	P1 L2
Office Hours	Sun : 11:30 - 12:30 Sun : 14:30 - 15:30 Mon : 13:30 - 14:30 Tue : 12:30 - 13:30 Tue : 14:30 - 15:30 Thu : 12:30 - 13:30
Email	kqnuseir@just.edu.jo

Instructor

Name	Dr. QUSAI AL-SHARE
Office Location	M5 L-4
Office Hours	
Email	qyshare@just.edu.jo

Class Schedule & Room

Section 1:
Lecture Time: Sun, Tue : 09:30 - 10:30
Room: NORTH HALL

Section 3:
Lecture Time: Mon, Wed : 13:00 - 14:00
Room: D4202

Prerequisites		
Line Number	Course Name	Prerequisite Type
303441	PHAR344 Pharmacology 3	Prerequisite / Study
313442	PHMD344 Pharmacology 3	Prerequisite / Study

Tentative List of Topics Covered		
Weeks	Topic	References
Weeks 2, 3, 4	Epilepsy	From Ref #1, From Epilepsy Extra
Week 1	Introduction	
Weeks 4, 5	Parkinson?s Disease	From Ref #1, From Ref #3
Weeks 6, 7	Pain Management	From Ref #1, From Ref #3
Weeks 8, 9	Multiple Sclerosis	From Ref #1, From Ref #3
Weeks 10, 11	Schizophrenia	From Ref #1, From Ref #3
Weeks 12, 13	Bipolar Disorders	From Ref #1, From Ref #3
Weeks 14, 15, 16	Depressive Disorder	From Ref #1, From Ref #3

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, tests leading to the diagnosis and pharmacology of drug classes used in the management of common disorders/diseases of the central nervous system system [100PLO1.1] [100L7K1]	30%	
Prepare the most appropriate pharmacological and non-pharmacological plan for each condition and the correct , dose, dose intervals utilizing evidence-based medicine. [100PLO3.1] [100L7S1]	45%	
Prepare a monitoring and follow up plan to evaluate efficacy and safety of recommended pharmacological and nonpharmacological plans. [100PLO2.1] [100L7S2]	15%	
Create an education plan for patients about their diseases/disorders and the appropriate use of medications. [100PLO3.2] [100L7C3]	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	L7C3
30	45	15	10

Evaluation	
Assessment Tool	Weight
Mid Exam	40%
Final Exam	50%
Active Learning	10%

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 ضُبط الطالب أثناء الامتحان أو الاختبار متلبساً بالعثى 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 miss 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.
Participation	class participation is highly encouraged. asking questions is a sign of paying attention.
Classroom etiquette	Make sure you arrive at class on time Respect people, places, and things Raise your hand to speak Listen respectfully Food and drink are not permitted in class Do not engage in aside conversations Texting is not permitted in class The use of cell phones, smartphones, or other mobile communication devices is disruptive and is therefore prohibited during class without permission
Email etiquette	Students should communicate through their official University email accounts. Communication through personal email accounts (Yahoo, Gmail, Hotmail, etc.) or social media will NOT be accepted, and no response will be provided. Type your email into the body of the email NOT in the subject line. Provide a clear subject line. Keep it short and to the point, but not vague. Name, class, and what the email is specifically about should be in the subject line. Body of the email: Your emails should always start with a formal greeting like you would in a letter, be brief (one screen length), check your spelling/grammar/punctuation, use a professional font (not decorative), and include a salutation aligned with your message (Thank you or sincerely). Avoid sending an email to your professor asking about grades or complaining about them. Schedule an appointment to meet in person to discuss areas for improvement if you have inquiries. Consider the impression your tone will make in the email. It is recommended to wait 24 hours before sending an email or responding to an email if you are emotionally charged. It is not appropriate to write in ALL CAPS. This conveys the impression that you are shouting at the recipient. Make sure you read and reread your email before sending it. Make sure your emails are grammatically correct, have proper titles, and are properly spelled. If you have multiple questions or the message runs long, you might consider revising the message or scheduling a face-to-face meeting. You should double-check your attachments. Refer to your attachments within the body of your email. It is advisable to avoid attaching large files and to consider sending the document as a PDF. Please allow sufficient time for a response. The sender and receiver should both allow sufficient time. As a rule of thumb, 24 work hours should be given. If sending emails after official work hours or during formal vacations, a delay in response is expected. Following that if no response is received, you can follow up.

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