

University of Jordan

Faculty of Pharmacy

Department of Biopharmaceutics and Clinical Pharmacy

Course Title: Pharmacotherapy 3 for Master in Clinical Pharmacy program

Instructor(s):

Name	<u>Office Number</u>	<u>Office Phone Number</u>	<u>Office Hours</u>	<u>E-mail</u>
Dr. Nailya Bulatova-Younes	121	23350	To be arranged	nboulatova@gmail.com

Semester Hours: 3 (Mon, Wed 2.00 PM-3.30 PM) Faculty of Rehabilitation, class 103

Course objectives:

At completion of the course it is expected that students will be able to:

1. Describe the pathophysiology and clinical presentation of selected disease states & explain the rationale for drug therapy
2. Understand the principles of action, clinical uses, drug interactions, adverse effects, contraindications to and mode of administration of related drugs
3. Recommend the most appropriate therapeutic approach to management of these disease states including reference to the latest available evidence

Teaching Methods:-

1. Lectures
2. Case Discussion
3. Assignments

Tests and Evaluation:-

1. Exams

Midterm exam: 7th-8th week of the semester - 30%

Final exam: 15th week of the semester – 40%

2. Assignments – 30%: 20% - for analysis of assigned clinical cases; 10% for presentations

Course content and Schedule:-

#	Topic	# of hours	Approx week
1.	Depression	3	1
2.	Anxiety & insomnia	3	2
3.	Epilepsy	3	3
4.	Rheumatology & Immunology Rheumatoid arthritis	4.5	4 & 5
5.	Osteoarthritis	3	5 & 6
6.	Gout	3	6 & 7
7.	MIDTERM EXAM	1.5	7
8.	Osteoporosis	4.5	8 & 9
9.	Allergic drug reactions	1.5	9
10.	Gastroenterology Peptic ulcer disease	4.5	10 & 11
11.	GERD	1.5	11
12.	Inflammatory bowel disease	3	12
13.	Cirrhosis & viral hepatitis	4.5	13 and 14
14.	FINAL EXAM	3	Wk 16

A) References:-

- Primary source:
 - Pharmacotherapy: A Pathophysiological Approach, ed. DiPiro, 7th edition, 2008
 - Pharmacotherapy Casebook, ed. Schwinghammer, 7th ed., 2009
- Basic & Clinical Pharmacology, ed. Katzung, most recent edition
- Applied Therapeutics: The Clinical Use of Drugs, ed. Koda-Kimble, 9th edition, 2008
- www.aasld.org The American Association for the Study of Liver Diseases guidelines (ascites due to cirrhosis, esophageal varices, hepatitis B & C)
- www.aan.com American Academy of Neurology guidelines for refractory & new onset epilepsy.
- www.psych.org American Psychiatric Association guidelines for acute stress & posttraumatic stress disorder, panic disorder, OCD, major depression

7. NICE guidelines (2009 update for depression)
8. www.rheumatology.org American College of Rheumatology (rheumatoid arthritis, osteoarthritis, glucocorticoid-induced osteoporosis)
9. www.gastro.org/practice/medical-position-statements American Gastroenterology Association (GERD, NSAIDs-induced ulcer, *H. pylori* infection, liver cirrhosis, inflammatory bowel disease, obscure GI bleeding)
10. www.nof.org National Osteoporosis Foundation (NOF)

Other guidelines and reading material will be provided with each topic

Professional behavior is expected of all students at all times during this clerkship. If at any time unprofessional or dishonest behavior of a student is reported (this includes, but is not limited to: copying work from another student, submitting an assignment that is not the student's own work, or other academic dishonesty, failure to treat preceptors and TA's with respect and professionalism, the student may be removed from the course and receive a grade of "F" or at least get a zero in all attitude and activities marks. Depending on the circumstances, the course master may also file a grievance against the student per school policy. Other unaccepted behaviors during lectures include:

- using mobile phone
- coming late
- side talks

Cases to be discussed

Topic	Student Name	Deadline for submission (week #)
1. Major Depression		3
2. Generalized Anxiety Disorder		4
3. Complex Partial Seizures		5
4. Status epilepticus		5
5. Rheumatoid arthritis		6
6. Allergic Drug Reaction		11
7. Peptic Ulcer Disease		12
8. Prevention of stress ulcer/upper GI bleeding		12
9. Ulcerative Colitis		13
10. Viral Hepatitis C		14

11. Ascites Management in Portal Hypertension and Cirrhosis		14
12. Hepatic encephalopathy		14