

**University of Jordan**

**Faculty of Pharmacy**

**Department of Biopharmaceutics and Clinical Pharmacy**

**Course Title: Pharmacotherapy 2 for Master in Clinical Pharmacy program**

**Instructor(s):**

<b>Name</b>	<b><u>Office Number</u></b>	<b>Office Phone Number</b>	<b>Office Hours</b>	<b>E-mail</b>
Dr. Nailya Bulatova	121	23350	11.00-12.30 Sun-Wed	nboulatova@gmail.com

**Semester Hours: 2 (planned Mon 3.00 PM-5.00 PM) – actual Tue 2.30 PM-4.30 PM, class 120.**

**Course objectives:**

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

1. Describe the pathophysiology of selected disease states & explain the rationale for drug therapy
2. Understand the principles of action, clinical uses, drug interactions, adverse effects 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: 7<sup>th</sup>-8<sup>th</sup> week of the semester - 30%  
Final exam: 15<sup>th</sup> week of the semester – 40%
2. Assignments – 30%: 10% - for analysis of assigned clinical cases; 10% for presentations; 10% for quizzes & home works.

## Course content and Schedule:-

#	Topic	# of lect.	Week #	Case	Date of present.*	Student presenting case
1	<b>Introduction to the course</b>	0.5	1			
2	<b>Respiratory</b> Asthma	2	1-2			
3	COPD	1.5	2	1. Acute asthma		
4	<b>Nephrology</b> Acute renal failure	2	3	2. Chronic asthma		
5	Chronic renal failure	2	4	3. COPD		
6	Dialysis & renal transplantation	2	5	4. Acute renal injury		
7	<b>Infectious diseases</b> Lower Respiratory tract infections	2	6	5. Progressive renal disease		
8	Infectious diarrhea	1	7	6. End-stage kidney disease		
9	Urinary tract infections	1	8	7. <i>Clostridium difficile</i> – Associated Disease		
10	CNS infections	1	8	8. Acute pyelonephritis		
	Surgical prophylaxis	1	9	9. Lower urinary tract infection		
13	Influenza treatment and prevention	1	9	10. Bacterial meningitis		
14	Anemia	2	10	11. Antimicrobial prophylaxis for surgery		
15	General supportive care in oncology	5	11-13	12. Iron-deficiency anemia 13. Hodgkin's disease		
16	<b>Final Exam</b>	2	14			

### **A) Main References:-**

1. Pharmacotherapy: A Pathophysiological Approach, ed. DiPiro, 8<sup>th</sup> ed., 2011
2. Applied Therapeutics: The Clinical Use of Drugs, ed. Koda-Kimble, 9<sup>th</sup> ed., 2008, available at [www.accesspharmacy.com](http://www.accesspharmacy.com)
3. Pharmacotherapy Casebook, A Patient Focused Approach, ed. Schwinghammer, 8<sup>th</sup> ed. 2011, available at [www.accesspharmacy.com](http://www.accesspharmacy.com).
4. [www.accesspharmacy.com](http://www.accesspharmacy.com)
5. GINA. International Guidelines for Asthma
6. GOLD. International Guidelines for COPD
7. National Kidney Foundation. Guidelines for Chronic Kidney Disease
8. National Comprehensive Cancer Network (NCCN guidelines for supportive care in c-r)
9. Infectious disease society of America (IDSA guidelines)
10. Other guidelines and reading material will be provided with each topic

### **B) Other Useful Sources:-**

1. Basic & Clinical Pharmacology, ed. Katzung, 11 ed, 2011, available at [www.accesspharmacy.com](http://www.accesspharmacy.com)
2. Harrison's Principles of Internal Medicine, ed. Longo *et. al.*, 18 ed., 2011, available at [www.accesspharmacy.com](http://www.accesspharmacy.com)
3. [www.guidelines.gov](http://www.guidelines.gov)
4. [www.uptodate.com](http://www.uptodate.com)

**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 include:

- using mobile phone
- coming late
- side talks

