

## The University of Jordan

**Faculty:** Pharmacy  
**Department:** Biopharmaceutics and Clinical Pharmacy  
**Program:** Pharm D  
**Academic Year/** 2014-2015  
**Semester:** Fall

### Case studies in Therapeutics III (1203505)

<b>Credit hours</b>	<b>1</b>	<b>Level</b>	<b>5<sup>th</sup> year</b>
<b>Lecturer</b>	Dr Eman Elayeh Dr Rawia Sharaydih	<b>Email</b>	emanelayeh@gmail.com ph.rawia@hotmail.com
<b>Course material available at:</b>	<a href="http://eacademic.ju.edu.jo/E.Elayeh/default.aspx">http://eacademic.ju.edu.jo/E.Elayeh/default.aspx</a> (documents, case studies in therapeutics III) e-learning website		
<b>Office hours</b>			

*Upon completion of the course, the student is expected to be able to:*

1. Describe the clinical manifestations of selected psychiatric, gastroenterologic and neoplastic diseases
2. Understand the clinical issues of medication use
3. Provide patient education about disease and medications
4. Recommend the most appropriate pharmacological and nonpharmacological treatment for a selected patient

#### **Intended Learning Objectives**

##### ***A. Knowledge and understanding:***

- ✓ To provide students with the knowledge of clinical manifestations, complications, goals of pharmacotherapy and patient education of selected psychiatric, gastroenterologic and neoplastic diseases.
- ✓ To provide students with the knowledge of clinical uses, pharmacokinetics, clinically significant side effects & drug interactions and contraindications to medications used in the treatment of psychiatric, gastroenterologic and neoplastic diseases.

##### ***B. Intellectual skills:***

- ✓ Through short case discussion, to enable students to identify drug-related problems and recommend the appropriate pharmacotherapy treatment.

**C. Subject-specific skills:**

- ✓ Develop the ability to design the rational pharmacotherapy regimen according to the patient specific condition

**D. Transferable skills:**

- ✓ To enable students to provide information related to diseases and their management through browsing the internet professional sites.
- ✓ To enable students to collect and interpret information from medical guidelines & journal databases (MEDLINE, e-library)

**Teaching Methods**

Lectures and case discussions

**Course Material and Announcements**

All lecture handouts and guidelines will be uploaded on the UJ e-learning system which can be accessed at <http://elearning.ju.edu.jo> .

In addition, course related announcements and exam results will be posted on the site and it is the responsibility of each student to check it regularly.

**Tests and Evaluation**

Midterm exam	30%	TBA
Semester Works:	30%	Oral Presentation 10% Care plans 10% Quizzes 10%
Final exam	40%	TBA

\* Provisional dates are scheduled in the course schedule at the end of this document. The exact date for the quizzes of each section will be announced at the beginning of the semester.

***Distribution of examination material (may vary depending on material included):***

- ✓ 35% - diseases: etiology & pathogenesis, clinical presentation, stages & classification, complications, disease management guidelines, pharmacotherapy goals, patient education

- ✓ 35% - pharmacotherapy: clinical uses, method of administration, monitoring for efficacy and adverse effects, drug interactions, & contraindications, patient counseling
- ✓ 30% - integration and analysis (solving short cases)

**References:-**

1. Pharmacotherapy: A Pathophysiological Approach, ed. DiPiro, 9<sup>th</sup> edition, 2014. McGraw-Hill Medical. **ISBN-13: 978-0071800532.**
2. Applied Therapeutics: The Clinical Use of Drugs, ed. Koda-Kimble, 10<sup>th</sup> ed, 2013. Wolters Kluwer Health/Lippincott Williams & Wilkins. **ISBN-13: 978-1609137137.**
3. Pharmacotherapy Casebook: a Patient-focused Approach, ed. Schwinghammer TL, Koehler JM, 9<sup>th</sup> edition. 2014. McGraw-Hill Medical. **ISBN-13: 978-0071830133.**
4. Pharmacotherapy principles and practice. Chisholm-Burns MA, 3<sup>rd</sup> edition, 2013. McGraw-Hill Medical. **ISBN-13: 978-0071780469.**
5. Clinical Pharmacy and Therapeutics, ed. Walker & Whittlesea, 5th edition, 2011. Churchill Livingstone. **ISBN-13: 978-0702042935.**

**Other Useful Sources:-**

1. Disease management guidelines (specified in lecture notes)
2. UpToDate. [www.uptodate.com](http://www.uptodate.com)

**Important regulations**

**Course content and Schedule:-**

Workshop No.	Case
Introduction	
1	PTCB: Major Depression
2	Generalized Anxiety Disorder
3	Insomnia
4	Generalized Tonic Clonic Seizures and Status Epilepticus
5	Alzheimer's disease
6	Viral Hepatitis Type B
7	Ascites management in portal hypertension
8	Crohn's Disease and Ulcerative Colitis
9	Colon cancer
10	Solid Organ Transplantation

