

**University of Jordan**  
**Faculty of Pharmacy**  
**Department of Biopharmaceutics and Clinical Pharmacy**  
**Course Title: Pharmacotherapy 1 (1203708)**

**Instructor(s):**

<b>Name</b>	<b><u>Office Number</u></b>	<b>Office Phone Number</b>	<b>Office Hours</b>	<b>E-mail</b>
Prof. Abla Albsoul	237	23349	To be arranged	ablabsoul@yahoo.com
Prof. Salah Abu Ruz	103	23331	To be arranged	<aburuz@ju.edu.jo>

**Semester Hours: 3**

**Section 1: Wednesdays 12-3**

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

1. Understand the principles of action, clinical uses, drug interactions, adverse effects of selected drugs acting on the **cardiovascular, gastrointestinal, and endocrine system**.
2. Describe the pathophysiology and clinical manifestations of related diseases,
3. be able to compare treatment guidelines from, and recommend the most appropriate pharmacological and nonpharmacological treatment for each condition

**Intended Learning Objectives:-**

**A) *Knowledge and understanding:-***

A1) To provide students with the knowledge of pathophysiology, clinical manifestations, complications, goal of pharmacotherapy, patient education of selected respiratory, musculoskeletal, gastrointestinal, and renal disorders;

A2) as well as the knowledge of mechanism of action, clinical uses, pharmacokinetics, clinically significant side effects & drug interactions and contraindications to medications used in the treatment of CNS, respiratory, musculoskeletal, gastrointestinal and renal disorders

**B) *Intellectual skills:-***

B1) Through case discussion, to enable students to identify drug-related problems and recommend the appropriate pharmacotherapy treatment

**C) *Subject-specific skills:-***

C1) Develop the ability to design the rational pharmacotherapy regimen according to the patient specific condition

**D) Transferable skills:**

D1) To enable students to provide information related to diseases and their management through browsing the Internet professional sites.

D2) To enable students to collect and interpret information from medical journal databases (MEDLINE, library)

**Course content and Schedule:-**

Week#	Topic	Instructor	Topic of case Presentation	date	Students	grade
1	Introduction	Prof. Abla		21/9		
2	Hypertension	Prof. Abla	Hypertension: pass the salt	28/9		
3	Heart failure	Prof. Abla	Systolic Dysfunction	3/10		
4	Conference 9-11/10/2012 (Master students must attend)			10/10		
5	Ischemic heart disease	Prof. Abla	Chronic Stable Angina	17/10		
6	Acute coronary syndromes	Prof. Abla	ST-Elevation Myocardial Infarction	24/10 EID?		
7	Hyperlipidemia	Prof. Abla	Dyslipidemia	31/10		
8	Arrhythmias	Prof. Salah	Atrial Fibrillation	7/11		
	Midterm exam					
9	Venous thromboembolism	Prof. Salah	Deep Vein Thrombosis	14/11		
10	Stroke	Prof. Salah	Chronic Anticoagulation	21/11		
11	Peripheral arterial disease	Prof. Salah	Peripheral Arterial Disease	28/11		
12	Diabetes mellitus	Prof. Salah	Type 2 Diabetes Mellitus (Existing Disease)	5/12		

13	Thyroid disorders	Prof. Salah	Hyperthyroidism: Graves' Disease	12/12		
14	Peptic ulcer disease	Prof. Salah	Peptic Ulcer Disease	19/12		
15	GERD	Prof. Salah	Gastroesophageal Reflux Disease	26/12		
Use of vasopressors and inotropes in the pharmacotherapy of shock		Self-reading				
Hypovolemic shock		Self reading				

### Teaching Methods:-

1. seminar presentations
2. Case Discussion
3. Assignments

### Tests and Evaluation:-

1. Exams: Midterm exam: **to be arranged 30%**  
Final exam: 15<sup>th</sup> week of the semester – 50%
2. Presentations of case and or a recent article on topic updates and participation in class case discussion – 20%

### A) References:-

1. **Pharmacotherapy; a pathophysiologic approach. 8<sup>th</sup> edition 2011.**
2. Applied Therapeutics: The Clinical Use of Drugs, ed. Koda-Kimble 9<sup>th</sup> edition, 2008.
3. Pharmacotherapy Casebook, ed. Schwinghammer, 8<sup>h</sup> ed., 2012
4. [www.guidelines.gov](http://www.guidelines.gov)

### Important regulations:-

**Attendance: Mandatory.**

**First and last warning** – with 1 absences

**Failing subject** – with 2 absences

No side talks

No mobile phones

Do not enter after me

**Cheating policy**

The participation, the commitment of cheating will lead to applying all following penalties together

- 1) Failing the subject he/she cheated at
- 2) Failing the other subjects taken in the same course
- 3) Not allowed to register for the next semester. The summer semester is not considered as a semester.