

The University of Jordan

Faculty: Pharmacy Department: Biopharmaceutics and Clinical Pharmacy

Program: PharmD

Pharmacotherapy 1 (1203426)

Fall semester 2014/2015

Credit hours	3	Level	5 th year	Pre-requisite	Pharmacology1 (1203363)
Coordinator/Lecturer	Dr. Sameh Al-Zubiedi	Office #	206	Office phone	23368
Course website	-	E-mail	s.alzubiedi@ju.edu.jo	Place & time	Sun Tues Thur 11:00-12:00

Office hours: (to be announced)

Day/time	Sun	Mon	Tue	Wed	Thu

Course outcomes

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

1. Describe the clinical manifestations of selected of selected cardiovascular and endocrinologic disorders
2. Understand the clinical aspects 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 conditions such as cardiovascular and endocrinologic disorders
- To provide students with the knowledge of clinical uses, pharmacokinetics, clinically significant side effects, drug interactions and contraindications to medications used in the management of the above mentioned conditions

B. Intellectual skills:

- To enable students to identify drug-related problems and recommend the appropriate pharmacotherapy treatment

C. Subject-specific skills:

- To provide students with the skills required to design rational pharmacotherapy regimens according to the patients' specific conditions

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
- Assignments

Course Material and Announcements

Students need to use the **Blackboard** in order to get all lecture handouts and guidelines which will be uploaded there.

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

Username and password to access the course on the Blackboard (<http://blackboard.ju.edu.jo>) will be provided to students in the beginning of the semester.

Tests and Evaluation

Midterm exam	40%
Quiz(es)	10%
Final exam	50%

** Provisional dates are scheduled in the course schedule at the end of this document. Each instructor will announce the exact date for the quiz of each section 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)

Course Content and Schedule

Week #	Date	Day	Description	Lec #	Topic	Lec/topic
1	14-Sep-14	Sun	First day of teaching	1	Introduction	
	16-Sep-14	Tue		2	HTN	1
	18-Sep-14	Thu		3	HTN	2
2	21-Sep-14	Sun		4	HTN	3
	23-Sep-14	Tue		5	HTN	4
	25-Sep-14	Thu		6	HTN	5
3	28-Sep-14	Sun		7	HF	1
	30-Sep-14	Tue		8	HF	2
	02-Oct-14	Thu		9	HF	3
4	05-Oct-14	Sun	Eid			
	07-Oct-14	Tue	Eid			
	09-Oct-14	Thu		10	HF	4
4	12-Oct-14	Sun		11	IHD	1
	14-Oct-14	Tue		12	IHD	2
	16-Oct-14	Thu		13	ACS	1
5	19-Oct-14	Sun		14	ACS	2
	21-Oct-14	Tue		15	ACS	3
	23-Oct-14	Thu		16	ACS	4
6	26-Oct-14	Sun		17	ACS	1
	28-Oct-14	Tue		18	HL	1
	30-Oct-14	Thu		19	HL	2
7	02-Nov-14	Sun	Midterm Exam Week			
	04-Nov-14	Tue	Midterm Exam Week			
	06-Nov-14	Thu	Midterm Exam Week			
8	09-Nov-14	Sun		20	HL	3
	11-Nov-14	Tue		21	HL	4
	13-Nov-14	Thu		22	DM	1
9	16-Nov-14	Sun		23	DM	2
	18-Nov-14	Tue		24	DM	3
	20-Nov-14	Thu		25	DM	4
10	23-Nov-14	Sun		26	DM	5
	25-Nov-14	Tue		27	DM	6
	27-Nov-14	Thu		29	VTE	1
11	30-Nov-14	Sun	(Quiz) –	30	VTE	2
	02-Dec-14	Tue	Separate quizzes for each section	31	VTE	3
	04-Dec-14	Thu		32	VTE	4
12	07-Dec-14	Sun		33	VTE	5
	09-Dec-14	Tue		34	Stroke	1
	11-Dec-14	Thu		35	Stroke	2
13	14-Dec-14	Sun		36	Stroke	3
	16-Dec-14	Tue		37	ARR	1
	18-Dec-14	Thu		38	ARR	2
14	21-Dec-14	Sun		39	ARR	3
	23-Dec-14	Tue		40	PAD	1

References:-

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

Important regulations

Attendance is mandatory.

- First warning – with 4 absences
- Last warning – with 5 absences
- Failing in the subject – with 6 absences

No side talks

No mobile phones

Entering the lecture theatre after the instructor is not permitted

Homeworks should be done by students independently and will be asked at the exams

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.