



The University of Jordan

Accreditation & Quality Assurance Center

COURSE Syllabus

1	Course title	Pharmacotherapy I
2	Course number	1203426
3	Credit hours (theory, practical)	3 (theory)
	Contact hours (theory, practical)	3 (theory)
4	Prerequisites/corequisites	Prerequisite: 1203363 (Pharmacology I)
5	Program title	BSc. in Pharmacy + Doctor of Pharmacy (PharmD)
6	Program code	
7	Awarding institution	The University of Jordan
8	Faculty	Pharmacy
9	Department	Biopharmaceutics & Clinical Pharmacy
10	Level of course	undergraduate
11	Year of study and semester (s)	First semester of the 4th year
12	Final Qualification	PharmD+pharmacy
13	Other department (s) involved in teaching the course	Pharmaceutical Sciences & Pharmaceutics
14	Language of Instruction	English
15	Date of production/revision	1 September 2015

16. Course Coordinator:

Office numbers, office hours, phone numbers, and email addresses should be listed.

Dr.Eman abu-rish, PhD.

<http://academic.ju.edu.jo/e.aburish/default.aspx>

Office 326

Phone 5 355 000, Ext. 23372.

E-mail: e.aburish@gmail.com

Office hours to be announced

17. Other instructors:

Office numbers, office hours, phone numbers, and email addresses should be listed.

Name	Office Phone No.	Office Hours	E-mail
Dr. Ala Laham	23345	TBA	alalaham@hotmail.com
Dr. Amal Akour	23344	TBA	amalakour@gmail.com

18. Course Description:

This course aims to provide students with the knowledge of clinical manifestations, complications, goals of pharmacotherapy and patient education of selected cardiovascular and endocrinologic disorders. In addition, it aims to provide the students with the knowledge of clinical uses, pharmacokinetics, clinically significant side effects & drug interactions and contraindications to medications used in the treatment of cardiovascular and endocrinologic disorders.

19. Course aims and outcomes:

A- Aims:

1. Describe the clinical manifestations of selected cardiovascular and endocrine 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 Outcomes of the Course**A. Knowledge and understanding:**

- To provide students with the knowledge of clinical manifestations, complications, goals of pharmacotherapy and patient education of selected 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 treatment of cardiovascular and endocrine 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)

PharmD and Pharmacy program Competencies Achieved:

- 2.3 Identify pathophysiological basis of major human diseases
- 2.4 Assess symptoms and diagnostic tests and correlate them with associated diseases
- 2.8 Identify indications, side effects and contraindications of medicines
- 2.9 Identify drug-drug and drug-food interactions of medicines
- 2.15 Verify that patient therapy is based on best scientific evidence available
- 2.17 Advise patients and other health professionals on proper usage of medicines including their strength, frequency, dosage form and route of administration
- 2.18 Identify any medication-related problems and take appropriate actions to resolve them
- 2.19 Recommend necessary modifications to patient therapy to optimize its safety and efficacy
- 7.4 Follow new advances in science related to the profession
- 7.5 Utilize information technology tools to enhance working experience

Course Material and Announcements

All lecture handouts will be uploaded on the academic websites of the faculty members involved in teaching the course.

e.g. Dr. Eman Abu-rish: <http://eacademic.ju.edu.jo/e.aburish/Material>

and at <http://elearning.ju.edu.jo>

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

20. Topic Outline and Schedule:

1.						
Week	Day	Date	Lec		Topic	Achieved ILOs
1	Sun	27-Sep-15	1			
	Tue	29-Sep-15	2		HTN	A, B, C, D
	Thu	1-Oct-15	3		HTN	
2	Sun	4-Oct-15	4		HTN	
	Tue	6-Oct-15	5		HTN	
	Thu	8-Oct-15	6		HTN	
3	Sun	11-Oct-15	7		HF	A, B, C, D
	Tue	13-Oct-15	8		HF	
	Thu	15-Oct-15	9		HF	
4	Sun	18-Oct-15	10	Quiz- HTN	HF	
	Tue	20-Oct-15	11		IHD	A, B, C, D
	Thu	22-Oct-15	12		IHD	
5	Sun	25-Oct-15	13		ACS	A, B, C, D
	Tue	27-Oct-15	14		ACS	
	Thu	29-Oct-15	15		ACS	
6	Sun	1-Nov-15	16		ACS	
	Tue	3-Nov-15	17		ACS	
	Thu	5-Nov-15	18		HL	A, B, C, D
7	Sun	8-Nov-15	19		HL	
	Tue	10-Nov-15	20		HL	
	Thu	12-Nov-15	21		HL	
8	Sun	15-Nov-15	22		DM	A, B, C, D
	Tue	17-Nov-15	23		DM	
	Thu	19-Nov-15	24		DM	
9	Sun	22-Nov-15	25		DM	
	Tue	24-Nov-15	27		DM	
	Thu	26-Nov-15	28		DM	
10	Sun	29-Nov-15	29		VTE	A, B, C, D
	Tue	1-Dec-15	30		VTE	
	Thu	3-Dec-15	31		VTE	
11	Sun	6-Dec-15	32		VTE	
	Tue	8-Dec-15	33		VTE	
	Thu	10-Dec-15	34		stroke	A, B, C, D
12	Sun	13-Dec-15	38		stroke	
	Tue	15-Dec-15	35		stroke	
	Thu	17-Dec-15	36		ARR	A, B, C, D
13	Sun	20-Dec-15	37		ARR	
	Tue	22-Dec-15	38		ARR	
	Thu	24-Dec-15	39		PAD	A, B, C, D

14	Sun	27-Dec-15	40		PAD	
	Tue	29-Dec-15				
	Thu	31-Dec-15				
15	Sun	3-Jan-16				
	Mon	4-Jan-16			last day of teaching	
	Thu	6-Jan-16				

21. Teaching Methods and Assignments:

Development of ILOs is promoted through the following teaching and learning methods:		
ILO/s	Learning Methods	Evaluation Methods
A1-3, B1, C1	Lectures	Exams, Quizzes
D1	Assignment	Patient education material
D2	Homeworks	Exams, Quizzes

Learning skills:

1. Critical thinking
2. Digital literacy
3. Problem-solving skills
4. Self-directed learning

22. Evaluation Methods and Course Requirements:

Opportunities to demonstrate achievement of the ILOs are provided through the following assessment methods and requirements:
<ol style="list-style-type: none"> 1. Exams 2. Quizzes 3. Students reports on assignments

23. Course Policies:

<p>A- Attendance policies: <i>Attendance is mandatory.</i></p> <ul style="list-style-type: none"> • First warning – with 4 absences
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- 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

-Grading policy:

Exams and Quizzes.

Midterm exam	40%	TBA
Quizzes & Assignments	10%	1 Quiz*
Final exam	50%	TBA

* 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)

24. Required equipment:

Data show and internet connection

25. References:

1. Pharmacotherapy principles & practice. ed. Chisholm-Burns *et al*, 3rd edition, 2013.
2. Pharmacotherapy: A Pathophysiological Approach, ed. DiPiro *et al*, 9th edition, 2014.
3. Koda-Kimble and Young's Applied Therapeutics: The Clinical Use of Drugs, 10th edition, 2013.
4. Disease management guidelines (specified in lecture notes)

Other Useful Sources

1. Other Useful Sources
2. Clinical Pharmacy and Therapeutics, ed. Walker & Whittlesea, 5th edition, 2012.
3. Basic & Clinical Pharmacology, ed. Katzung, 13th edition, 2015.
4. Pathophysiology of the disease: an introduction to clinical medicine, ed. McPhee & Hammer, 6th ed, 2010
5. www.accesspharmacy.com (can be accessed through the University of Jordan Library)

26. Additional information:

Name of Course Coordinator: Dr.Eman Abu-Rish -Signature: ----- Date: -----

Head of curriculum committee/Department: ----- Signature: -----

Head of Department: ----- Signature: -----

Head of curriculum committee/Faculty: ----- Signature: -----

Dean: ----- -Signature: -----

Copy to:

Head of Department
Assistant Dean for Quality

Assurance

Course File