

### Course Syllabus

1	Course title	Pharmacotherapy I	
2	Course number	1203426	
3	Credit hours	3 (theory)	
	Contact hours (theory, practical)	3 (theory)	
4	Prerequisites/corequisites	Prerequisite: 1203363 (Pharmacology I)	
5	Program title	BSc. In Pharmacy and Doctor of Pharmacy (Pharm D)	
6	Program code	12	
7	Awarding institution	The University of Jordan	
8	School	Pharmacy	
9	Department	Biopharmaceutics & Clinical Pharmacy	
10	Course level	Undergraduate	
11	Year of study and semester (s)	Second semester of the 4 <sup>th</sup> year	
12	Other department (s) involved in teaching the course	None	
13	Main teaching language	English	
14	Delivery method	<input checked="" type="checkbox"/> Face to face learning <input type="checkbox"/> Blended <input type="checkbox"/> Fully online	
15	Online platforms(s)	<input checked="" type="checkbox"/> Moodle <input checked="" type="checkbox"/> Microsoft Teams <input type="checkbox"/> Skype <input type="checkbox"/> Zoom <input type="checkbox"/> Others.....	
16	Issuing/Revision Date	Oct. 2023	

#### 17 Course Coordinator:

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## 18 Other instructors:

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## 19 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.

## 20 Course aims and outcomes:

### A- Aims:

This course aims to enable students to:

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

## B- Students Learning Outcomes (SLOs):

Upon successful completion of this course, students will be able to:

Descriptor	CLO No.	SLOs for the program (PLOs) SLOs for the course (CLOs)	1.1. Learner	2.1. Caregiver	3.1. Problem Solver	3.6. Communicator	4.4. Professional
Knowledge	K1	1) Recall facts, terms, basic concepts, and information regarding: selected disease conditions such as: (cardiovascular and endocrine diseases); clinical uses, pharmacokinetics, clinically significant side effects, drug interactions and contraindications to medications used in the management of the above mentioned conditions					
	K2	2) Explain and outline goals of therapy within the context of diseases' Clinical manifestations and complications of diseases; and within the context of medications pharmacokinetics and pharmacodynamics behaviors					
Skills	S1	3) Identifying drug related problems resorting to gained knowledge and guidelines					
	S2	4) Examine and inspect subjective and objective evidence related to simulated cases to: prioritize patients' needs; recommend appropriate pharmacotherapy treatment; and recommend appropriate monitoring plan.					
	S3	5) Proactively investigate, collect and interpret information related to diseases and their management through browsing the internet based professional web sites, medical guidelines & journal databases (MEDLINE, e-library)					
Competencies	C1	6) Demonstrate integrity by not cheating and not committing plagiarism					
	C2	7) Demonstrate respect to professors and classmates by observing active listening inside the classroom					

## 21. Topic Outline and Schedule:

Week	Lecture	Topic	Student Learning Outcome (CLOS)	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
1	1.1	Intro + HTN	K1-K2 S1-S3	Face to Face	Moodle MS Teams	Synchronous	Exams, Assignment	Specified in each lecture. General references provided below
	1.2	HTN	K1-K2 S1-S3	Face to Face	Moodle MS Teams	Synchronous	Exams, Assignment	Specified in each lecture. General references provided below
2	2.1	HTN	K1-K2 S1-S3	Face to Face	Moodle MS Teams	Synchronous	Exams, Assignment	Specified in each lecture. General references provided below
	2.2	HTN	K1-K2 S1-S3	Face to Face	Moodle MS Teams	Synchronous	Exams, Assignment	Specified in each lecture. General references provided below
3	3.1	HF	K1-K2 S1-S3	Face to Face	Moodle MS Teams	Synchronous	Exams, Assignment	Specified in each lecture. General references provided below
	3.2	HF	K1-K2 S1-S3	Face to Face	Moodle MS Teams	Synchronous	Exams, Assignment	Specified in each lecture. General references provided below
4	4.1	HF	K1-K2 S1-S3	Face to Face	Moodle MS Teams	Synchronous	Exams, Assignment	Specified in each lecture. General references provided below
	4.2	HF	K1-K2 S1-S3	Face to Face	Moodle MS Teams	Synchronous	Exams, Assignment	Specified in each lecture. General references provided below
5	5.1	IHD	K1-K2 S1-S3	Face to Face	Moodle MS Teams	Synchronous	Exams, Assignment	Specified in each lecture. General references provided below
	5.2	IHD	K1-K2 S1-S3	Face to Face	Moodle MS Teams	Synchronous	Exams, Assignment	Specified in each lecture. General references provided below
6	6.1	ACS	K1-K2 S1-S3	Face to Face	Moodle MS Teams	Synchronous	Exams, Assignment	Specified in each lecture. General references provided below
	6.2	ACS	K1-K2 S1-S3	Face to Face	Moodle MS Teams	Synchronous	Exams, Assignment	Specified in each lecture. General references provided below
7	7.1	ACS	K1-K2 S1-S3	Face to Face	Moodle MS Teams	Synchronous	Exams, Assignment	Specified in each lecture. General references provided below
	7.2	HL	K1-K2 S1-S3	Face to Face	Moodle MS Teams	Synchronous	Exams, Assignment	Specified in each lecture. General references provided below
8	8.1	HL	K1-K2 S1-S3	Face to Face	Moodle MS Teams	Synchronous	Exams, Assignment	Specified in each lecture. General references provided below

	8.2	Midt	K1-K2 S1-S3	Face to Face	Moodle MS Teams	Synchronous	Exams, Assignment	Specified in each lecture. General references provided below
9	9.1	DM	K1-K2 S1-S3	Face to Face	Moodle MS Teams	Synchronous	Exams, Assignment	Specified in each lecture. General references provided below
	9.2	DM	K1-K2 S1-S3	Face to Face	Moodle MS Teams	Synchronous	Exams, Assignment	Specified in each lecture. General references provided below
10	10.1	DM	K1-K2 S1-S3	Face to Face	Moodle MS Teams	Synchronous	Exams, Assignment	Specified in each lecture. General references provided below
	10.2	DM	K1-K2 S1-S3	Face to Face	Moodle MS Teams	Synchronous	Exams, Assignment	Specified in each lecture. General references provided below
11	11.1	DM	K1-K2 S1-S3	Face to Face	Moodle MS Teams	Synchronous	Exams, Assignment	Specified in each lecture. General references provided below
	11.2	DM +Quiz	K1-K2 S1-S3	Face to Face	Moodle MS Teams	Synchronous	Exams, Assignment	Specified in each lecture. General references provided below
12	12.1	VTE	K1-K2 S1-S3	Face to Face	Moodle MS Teams	Synchronous	Exams, Assignment	Specified in each lecture. General references provided below
	12.2	VTE	K1-K2 S1-S3	Face to Face	Moodle MS Teams	Synchronous	Exams, Assignment	Specified in each lecture. General references provided below
13	13.1	VTE	K1-K2 S1-S3	Face to Face	Moodle MS Teams	Synchronous	Exams, Assignment	Specified in each lecture. General references provided below
	13.2	VTE	K1-K2 S1-S3	Face to Face	Moodle MS Teams	Synchronous	Exams, Assignment	Specified in each lecture. General references provided below
14	14.1	Stroke	K1-K2 S1-S3	Face to Face	Moodle MS Teams	Synchronous	Exams, Assignment	Specified in each lecture. General references provided below
	14.2	Stroke	K1-K2 S1-S3	Face to Face	Moodle MS Teams	Synchronous	Exams, Assignment	Specified in each lecture. General references provided below
15	15.1	Stroke	K1-K2 S1-S3	Face to Face	Moodle MS Teams	Synchronous	Exams, Assignment	Specified in each lecture. General references provided below
	15.2			Face to Face	Moodle MS Teams	Synchronous	Exams, Assignment	Specified in each lecture. General references provided below

## 22 Evaluation Methods:

Opportunities to demonstrate achievement of the SLOs are provided through the following assessment methods and requirements:

Evaluation Activity	Mark	Topic(s)	SLOs for the course (CLOs)	Period (Week)	Platform
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Mid-term exam	30	TBA	K1-K2 S1-S3	26/11- 7/12/2023	TBA
Quiz	10	DM	K1-K2 S1-S3	During week 11 or 12	Online
Assignment: Infographic	10	As per distribution	K1-K2 S1-S3	Deadline for submission: 16-Nov-2023	Moodle/MS Teams
Final exam	50	TBA	K1-K2 S1-S3	17/1-29/1/2023	TBA

## 23 Course Requirements

Students should have an internet connection and a device (computer, mobile) to connect to Moodle and MS Teams platforms with their passwords and user names. Students are required to attend the face to face lectures. Students should also follow the Moodle platform for the course material and any announcement or instruction.

## 24 Course Policies:

### A- Attendance policies:

- Live attendance: Mandatory.
- First warning – with 4 absences
- Last warning – with 5 absences
- Failing in the subject – with 6 absences

### B- Absences from exams and submitting assignments on time:

Will result in zero achievement unless health report or other significant excuse is documented.

### C- Health and safety procedures:

NA

### D- Honesty policy regarding cheating, plagiarism, misbehavior:

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

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

### E- Grading policy:

Midterm Exam	30 points
Final Exam	50 points
Assignment and quiz	20 points
Total	100 points

### F- Available university services that support achievement in the course:

Moodle platform, MS Teams accounts, One Drive accounts and Office 365 package for instructors and students, Faculty halls for lecturing and examination, microphones, computers and smart board.

## 25 References:

### A- Required book(s), assigned reading and audio-visuals:

1. Pharmacotherapy: A Pathophysiological Approach, ed. DiPiro *et al*, 12<sup>th</sup> edition, 2022.
2. Pharmacotherapy principles & practice. ed. Chisholm-Burns *et al*, 6<sup>th</sup> edition, 2022.
3. Applied Therapeutics: The Clinical Use of Drugs 12<sup>th</sup> edition, 2023.
4. Disease management guidelines (specified in lecture notes)

### B- Recommended books, materials and media:

1. Basic & Clinical Pharmacology, ed. Katzung, 16<sup>th</sup> edition, 2024.
2. Pathophysiology of the disease: an introduction to clinical medicine, ed. Hammer & McPhee. 8<sup>th</sup> ed, 2019

## 26 Additional information:

**Course Material and Announcements:** Students need to use the e-learning page at the JU website 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 e-learning page and **it is the responsibility of each student to check the site regularly.**

### Grievance Policy

According to the general policies applied at the University of Jordan for grievance, when there is a complaint or conflict between a student and an academic/staff member or another student, the following procedures must be followed:

1. The student writes a formal complaint describing the situation of conflict to the Dean of the School or the President of the University.
2. Dean or President will first try to resolve the controversy by meeting/listening to both parties.
3. If agreement was not possible, Dean or president forms an investigation committee which will follow, within a specified timeline, the general policies for relevant circumstances. The following points are considered:
  - a. The committee will meet/talk to both parties and witnesses (if applicable) within two weeks of conflict.
  - b. All meetings and discussions are documented according to the university policies.

Results/ recommendations will be sent to the Dean or President who is responsible for their implementation

Name of Course Coordinator: ---Dr. Maysa Suyagh---	Signature: -----	Date: -----Oct 2023-----
Head of Curriculum Committee/Department: -----	Signature: -----	
Head of Department: -----Dr. Shereen Al-Eidi-----	Signature: -----	
Head of Curriculum Committee/Faculty: -----	Signature: -----	
Dean: -----Dr. Rula Darwish-----	Signature: -----	