

1	Course title	Case Studies in Therapeutics 1
2	Course number	1203427
3	Credit hours	1 hour
	Contact hours (theory, practical)	3 hours/week
4	Prerequisites/co-requisites	1203426
5	Program title	Pharm.D
6	Program code	12
7	Awarding institution	University of Jordan
8	School	Pharmacy
9	Department	Biopharmaceutics and Clinical Pharmacy
10	Level of course	Undergraduates pharm.D
11	Year of study and semester (s)	4 <sup>th</sup> year. Fall semester
12	Final Qualification	Pharm.D
13	Other department (s) involved in teaching the course	NA
14	Language of Instruction	English and Arabic
15	Teaching methodology	<input type="checkbox"/> Blended <input checked="" type="checkbox"/> Online
16	Electronic platform(s)	<input checked="" type="checkbox"/> Moodle <input checked="" type="checkbox"/> Microsoft Teams <input type="checkbox"/> Skype <input type="checkbox"/> Zoom <input type="checkbox"/> Others.....
17	Date of production/revision	14-10-2023

#### 18 Course Coordinator:

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Contact hours: TBA

#### 19 Other instructors: - ph.Rasha Al-Moataseim

#### 20 Course Description:

This course provides students with the knowledge of clinical manifestations, complications, goals of pharmacotherapy and patient education of selected cardiovascular and endocrinologic disorders. It provides 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.

#### 21 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 non-pharmacological treatment for a selected patient.

**B- Students Learning Outcomes (SLOs):**

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

SLOs for the program (PLOs)	K.1. Learner	S.1. Caregiver	S.2. Manager	S.6. Educator
SLOs for the course (CLOs)				
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				
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				
3) Identifying drug related problems resorting to gained knowledge and guidelines				
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.				
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, and Uptodate)				

**22. Topic Outline and Schedule:**

Week/ date	Topic	S L O s	Learning Methods	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
1	Intro	1-5	Fully Online	Moodle MS Teams	Synchronous	Midterm	Specified in each lab.
2	HTN	1-5	Fully Online	Moodle MS Teams	Synchronous	PCP submission (e-learning) + Appendix submission (MS teams) + Midterm	Specified in each lab.
3	Hypertension crisis	1-5	Fully Online	Moodle MS Teams	Synchronous	Appendix submission (MS teams) + Midterm	Specified in each lab.
4+5	Systolic HF+ decompensated HF	1-5	Fully Online	Moodle MS Teams	Synchronous	PCP submission (e-learning) + Appendix submission (MS teams) + Midterm	Specified in each lab.
6	Ischemic heart disease	1-5	Fully Online	Moodle MS Teams	Synchronous	Appendix submission (MS teams) + Final exam	Specified in each lab.
7	ACS	1-5	Fully Online	Moodle MS Teams	Synchronous	Appendix submission (MS teams) + Final exam	Specified in each lab.
8	Hyperlipidemia	1-5	Fully Online	Moodle MS Teams	Synchronous	Appendix submission (MS teams) + Final exam	Specified in each lab.
9	DM 2	1-5	Fully Online	Moodle MS Teams	Synchronous	PCP submission (e-learning) + Appendix submission (MS teams) + Final exam	Specified in each lab.

10	DM 1	1-5	FullyOnline	Moodle MS Teams	Synchronous	Final exam	Specified in each lab.
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## Course E-Syllabus

### 23 Evaluation Methods:

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

Evaluation Activity	Mark	Topic(s)	Period (Week)	Platform
Appendix submission	10	Topics (2-9)	Parallel to each topic	MS teams-private channel
PCP + PCP follow-up	20	Topics (HTN, HF, DM2)	Parallel to each topic	E-Learning
Midterm exam	30	Topics (2-5)	TBA	Face to face
Final exam	40	Topics (6-10)	TBA	Face to face

### 24 Course Requirements (e.g: students should have a computer, internet connection, webcam, account on a specific software/platform...etc):

- 1- computer
- 2- internet
- 3- Webcam
- 4- MS teams application and account

### 25 Course Policies:

#### A- Attendance policies:

Attendance: Mandatory.

First and last warning – with 1 absence

Failing in the subject – with 2 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

- 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.

#### E- Grading policy:

<b>Evaluation</b>	<b>Point %</b>
<b>Pharmacy care plan and follow up worksheet</b>	<b>20%+10%</b>
<b>Midterm Exam</b>	<b>30%</b>
<b>Final exam</b>	<b>40%</b>

F- Available university services that support achievement in the course: JU computer center.

## 26 References:

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

Pharmacotherapy guidelines, Lexicomp, and clinical pharmacy manual

B- Recommended books, materials and media:

Lexicomp application

Guidelines and up-to-date

Clinical pharmacy manual

## 27 Additional information: NA

Name of Course Coordinator: Rawia Sharaydih--- Signature: Date: 14-10-2023

Head of Curriculum Committee/Department: Signature: -----

Head of Department: Signature: -----

Head of Curriculum Committee/Faculty: Signature: -----

Dean: Signature: -----