

Faculty: Pharmacy	
Department: clinical pharmacy	Program: bachelor
Semester: second	Academic year: 2022.2023



Course Plan

First: Course Information

Course Name:	<i>Case studies in therapeutics II</i>	Course No. 1101428
Credit Hours:	<i>Theoretical</i>	<i>Practical</i> <i>1 hour</i>
Prerequisite:	<i>Class Number: clinical pharmacy and therapeutics II</i>	<i>Lecture Time: Sun 2-4</i>
Level in JNQF	7	
Course Nature:	<input checked="" type="checkbox"/> <i>Mandatory Faculty Requirement</i> <input type="checkbox"/> <i>Optional University Requirement</i> <input type="checkbox"/> <i>Mandatory University Requirement</i> <input type="checkbox"/> <i>Faculty Requirement</i> <input type="checkbox"/> <i>Accessory Course</i> <input type="checkbox"/> <i>Optional Specialty Requirement</i> <input type="checkbox"/> <i>Mandatory Specialization requirement</i>	
Type of Education:	<input checked="" type="checkbox"/> Fully Direct (Fully Face-to-Face Education) <input type="checkbox"/> Integrated Education (2 Face-to-Face + 1 Asynchronous) <input type="checkbox"/> Electronic Education Fully (1 Asynchronous + 2 Synchronous)	

Second: Instructor's Information

Course coordinator		
Name: Shorouk Ibraheem	Office Number: 233 H	Email: sibraheem@zu.edu.jo
Instructor		
Name: Shorouk Ibraheem	Office Number: 233 H	Email: sibraheem@zu.edu.jo
Office Hours:	<i>Sunday(1-2) Monday(11-12) Tuesday(1-2) Wednesday(11-12) Thursday(11-12)</i>	

Third: Short Description of the Course

This course is aimed to provide students with detailed knowledge of the main pharmacotherapy and clinical pharmacy in respiratory, GIT, rheumatology and infectious diseases, and problem solving skills of clinical cases.

The student is expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided.

Fourth: Course objectives

1. Understand the principle, theories and elements of pharmaceutical care (PC) and medication management.
2. Improve the students' ability to use guidelines and evidence based sources to detect, resolve and manage therapy related problems in some diseases.
3. Improve the students' ability to solve problems, presentation and case discussion skills and critical thinking.
4. Improve students communication skills, pharmacotherapy based knowledge and decision making ability and patient oriented communication in clinical situations.

Fifth: Learning Outcomes

<i>Level descriptor according to (JNQF)</i>	<i>CILOs Code</i>	<i>CILOs</i> If any CILO will not be assessed in the course, mark NA.	<i>Associated PILOs Code</i> Choose one PILO for each CILO*	<i>Assessment method</i> Choose at least two methods	<i>Scores out of 100</i> State the total score identified for each CILO**	<i>Minimum acceptable Score/percentage (%)</i> <i>The percentage should not be less than 50% ***</i>
Knowledge	K1	<ul style="list-style-type: none"> - Understand the basic principle of CP, pharmacotherapy consultancy and PC, the need for PC in health care system and how to implement the practice of CP in community pharmacies and hospitals. - To identify the different types of treatment related problems 	P.K1	Mid exam Final exam	15 marks 35 marks	25 marks / 50%
	K2					
Skills	S1	Identify treatment related problems; explore and prioritize potential strategies and design, implement and evaluate a viable solution to patient condition.	P.S1	Case study Mid exam Final exam	5 marks 10 marks 10 marks	13 marks / 52%
	S2	Collect and interpret information from guidelines and databases.	P.S2	Assignment Group work	5 marks 2 marks	2 marks / 50%
	S3	NA				

		NA				
Competencies	C1	Design appropriate pharmacologic and non-pharmacologic plans for selected diseases.	P.C2	Care plan Mid Exam Final Exam	5 marks 5 marks 5 marks	8 marks / 50%
	C2	NA				
	C3	NA				
	C4	Effectively communicate verbally and nonverbally when interacting with an individual, group.	P.C1	Group work	3 marks	2 mark / 50%
	C5	NA				

*Refer to document (CC-2023-02) and page 2 in document (CC-2023-01)

** Refer to document (CC-2023-05)

**80% of the students must achieve the minimum acceptable percentage or higher for each CILO

Sixth: Learning Source

Designated Book:	<i>Pharmacotherapy Casebook: a Patient focused Approach</i>		
Author:	<i>Print: 11th edition</i>	<i>:Year: 2020</i>	
Additional Sources: Website:	<ul style="list-style-type: none"> <i>Updates guidelines.</i> 		
Teaching Type:	Classroom <input checked="" type="checkbox"/>	Laboratory <input type="checkbox"/>	Workshop <input checked="" type="checkbox"/> S Teams <input type="checkbox"/> Moodle <input checked="" type="checkbox"/>

Seventh: Course Structure

Lecture Date	Topics	Teaching Procedures*	Teaching Methods**	Covered CILOs	References***
12, March 2023	Outline explanation and assessment method, TRPs revision	Direct	Direct teaching, problem solving based teaching	K1, S1	PPT
19 March, 2023	Respiratory System: asthma	Direct	Direct teaching, problem solving based teaching	K1,S1,C1, C4	PPT Chapter 30
26 March, 2023	Respiratory system: COPD	Direct	Direct teaching, problem solving based teaching	K1,S1,C1, C4	PPT Chapter 31
2 April 2023	Infectious diseases: URTIs	Direct	Direct teaching, problem solving based teaching	K1,S1,C1, C4	PPT Chapter 122
, APRIL 9 2023	Infectious diseases: LRTIs	Direct	Direct teaching, problem solving based teaching	K1,S1,C1, C4	PPT Chapter 120
16 APRIL, 2023	Mid Term Exams				
30, April 2023	Infectious Diseases: UTIs	Direct	Direct teaching, problem solving based teaching	K1,S1,C1, C4	PPT Chapter 133
May, 7 2023	GIT: Peptic Ulcer disease	Direct	Direct teaching, problem solving based teaching	K1,S1,C1, C4	PPT Chapter 35
14, May 2023	GIT: IBD	Direct	Direct teaching, problem solving based teaching	K1,S1,C1, C4	PPT Chapter 38

21, May 2023	Rheumatology: osteoporosis	Direct	Direct teaching, problem solving based teaching	K1,S1,C1, C4	PPT Chapter 103
, May 202328	Rheumatology: Osteoarthritis	Direct	Direct teaching, problem solving based teaching	K1,S1,C1, C4	PPT Chapter 105
	Final exam week				

Education procedures: (Direct, synchronous, asynchronous). * * Refer to document (CC-2023-04) ***Reference: Pages of the book, number of the chapter, recorded lecture, video....)

Eighth: Assessment methods

Methods	Fully Electronic Education	Integrated Teaching	Direct Teaching	Specific Course Output to be measured										
				*State the score identified for each CILO for each method of assessment out of 100 **If any CILO will not be assessed in the course, mark NA.										
				K1	K2	S1	S2	S3	S4	C1	C2	C3	C4	C5
Mid-term Exam			30	15		10				5				
Final Exam			50	35		10				5				
Assignment •			5				5							
Case studies •			10			5				5				
Group work •			5				2						3	
Total out of 100			100	50		25	7			15			3	

* Refer to document (CC-2023-03)

Ninth: Course Policies

- Meeting the deadline for the lecture.
- Commitment to interaction and participation.
- Interactive lectures will be given through a platform (MS Teams).
- Duties and tests will be given through a platform(Moodle).
- Commitment to the right appearance with the proper background in front of the camera.
- University regulations for attendance and absence from lectures and examinations are in force.
- Academic Integrity: According to university regulations and instructions, fraud or moral impersonation is unacceptable and punishable.

Approval	Name	Date	Signature
Head of Department			
Faculty Dean			