

Faculty: Faculty of pharmacy	
Department: Clinical Pharmacy	Program: BSc in Pharmacy
Semester: Second	Academic year: 2022/2023



Course Plan

First: Course Information

Course Name:	<i>Simulation pharmacy</i>		Course No. 1101339		
Credit Hours:	<i>1</i>	Theoretical	<i>1</i>	Practical	-
Prerequisite:	<i>Class Number: section 4</i>		<i>Lecture Time: Thursday (2-4)</i>		
Level in JNQF	<i>6</i>				
Course Nature:	<input type="checkbox"/> <i>Mandatory Faculty Requirement</i> <input type="checkbox"/> <i>Optional University Requirement</i> <input type="checkbox"/> <i>Mandatory University Requirement</i> <input checked="" type="checkbox"/> <i>Faculty Requirement</i> <input type="checkbox"/> <i>Ancillary 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: N/A	Office Number:	Email:
Instructor		
Name: M.Sc. Sahar Edaily	Office Number: 228D	Email: sedaily@zu.edu.jo
Office Hours:	<i>TBA</i>	

Third: Short Description of the Course

Simulation pharmacy is a ten weeks training in class under direct supervision of faculty member, students will train the most important needed skills to practice pharmacy include trade names, drug store, measure blood pressure and glucose check in addition to patient counseling and communication skills. In this course we will discuss vitamins & minerals, milk formula, several diseases and the drug classes that are available in market to treat these diseases Evaluation will be conducted during weeks through app exercise, case report and examination.

Fourth: Course objectives

1. To know the trade names and drug stores.
2. To practice the use of some equipment like mercury sphygmomanometer and gluco-check.
3. To practice the skills of patient counseling and counseling tips.
4. To know uses of some OTC products.
5. To practice team working and communication skills.

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	To know the basic pharmacology of different classes of endocrine system medications as well as the medications that affect blood and inflammation, contraceptives, dietary supplement and vitamins, and their trade names.	P. K1	Midterm exam Final exam Reports	25	15 (60)%
	K2	To know the main sources that can be used to get information about pharmacology.	P. K1	Midterm exam Final exam	25	15 (60)%
Skills	S1	To effectively relate some symptoms to a possible side effect of certain drugs.	P. S1	Midterm exam Final exam Role play	15	9 (60)%
	S2	N/A				
	S3	To present patient's database in short description, set up the recommended dose, route of administration, and duration of therapy according to the disease, drug and patient case, monitoring for adverse effect.	P. S3	Midterm exam Final exam Role play	15	9 (60)%
	S4	N/A				

Competencies	C1	To set patient specific required health outcomes (prevent disease progression, prevent recurrence and improve patient quality of life), (patient education and counseling) to establish a patient follow up schedule. To be able to correlate each drug with its proper clinical use.	P. C3	Midterm Final exam Role play	10	5 (50)%
	C2	N/A				
	C3	To effectively communicate with others about the effectiveness and safety of drugs and usage of such equipments.	P. C1	Reports Role play	5	3 (60)%
	C4	To collaborate and cooperate with colleges and other health care providers to implement patient related care plan	P. C2	Reports Role play	5	3 (60)%
	C5	N/A				

*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

Textbook: Basic & Clin Clinical Pharmacology	
Author: Bertram G. Katzung, Susan B. Masters, Anthony J. Trevor	Edition: 14 th Year: 2017
References	1. Goodman & Gilman's The Pharmacological Basis of Therapeutics Laurence L. Brunton, John S. Lazo, Keith L. Parker Publisher: McGraw-Hill, 12th edition 2011. 2. Richard A. Harvey, Richard D. Howland, Mary J. Mycek, Pamela C. Champe Publisher: Lippincott Williams & Wilkins, 5th edition 2012
Teaching Type:	<input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Laboratory <input type="checkbox"/> Workshop <input type="checkbox"/> MS Teams Moodle <input checked="" type="checkbox"/>

Seventh: Course Structure

Lecture Date	Topics	Teaching Procedures*	Teaching Methods***	Covered CILOs	References****
16/3/2023	Introduction to simulation pharmacy	Direct	Lecture	K1, K2	PPT
23/3/2023	Cardiovascular System Drugs Part I	Direct	Lecture	K1, K2 ,S1	PPT
30/3/2023	Cardiovascular System Drugs Part II	Direct	Lecture	K2, S1,S3,C4	PPT
6/4 /2023	Endocrine System Drugs: DM	Direct	Lecture	K1,S4,C3,C4	PPT
13/4 2023	Supplement: Vitamins & Minerals	Direct	Lecture	K1 S1, C2	PPT
20/4/2023	Mid Term Exam				
17/4/2023	Milk Formula	Direct	Lecture	K1, K2, S1, C1, C3	PPT
4/5/2023	Pharmacy services & smart Pharmacy system	Direct	Lecture	K1, K2, S3, C1 ,C3,C4	PPT

11/5/2023	NSAIDs	Direct	Lecture	K1, K2, S1, C1, C3	PPT
18/5/2023	Contraceptives	Direct	Lecture	K1, K2, S1,S3, C1, C3,C4	PPT
24/5/2023	Acne	Direct	Lecture	K1, K3, S1, C1, S3,C4	PPT
28/5/2023	Final exam				

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			35	11	12	4		4		4				
Final Exam			50	12	13	10		10		5				
Report			10	2								4	4	
Role play			5			1		1		1		1	1	
Total out of 100				25	25	15		15		10		5	5	

* 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			