

Course E-Syllabus

1	Course title	Pharmacy Practice 1
2	Course number	1203405
3	Credit hours	2 hours theory
	Contact hours (theory, practical)	2 hours per week
4	Prerequisites/corequisites	1203364 Pharmacology 2
5	Program title	PharmD
6	Program code	12
7	Awarding institution	The University of Jordan
8	School	Pharmacy
9	Department	Department of biopharmaceutics and clinical pharmacy
10	Level of course	Undergraduate
11	Year of study and semester (s)	4 th year/fall semester
12	Final Qualification	PharmD
13	Other department (s) involved in teaching the course	-----
14	Language of Instruction	English
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	5/10/2021

18 Course Coordinator:

Name: Pharmacist Eman Elayeh
Office number:
Phone number: 962 65355000 ext: 23341
Email: emanelayeh@gmail.com
e.elayeh@ju.edu.jo

19 Other instructors:

Name: NA
Office number:
Phone number:
Email:

Name:
Office number:
Phone number:
Email:

20 Course Description:

As stated in the approved study plan.

This course introduces you to your professional responsibilities as pharmacists. The course is intended to provide you with a systematic approach to patient-centered pharmaceutical care that will be applied and practiced throughout the curriculum.

21 Course aims and outcomes:

A- Aims:

1. **Understand the basic concept of pharmaceutical care and clinical pharmacy practice.**
2. **Develop a basic clinical pharmacy practice skills and relevant communication skills.**
3. **Discuss an individual's drug therapy regimen:**
4. **Recommend and implement appropriate drug therapy and other non-pharmacologic modes of therapy (e.g., diet, exercise) to prevent and treat medical problems, and provide a rationale/justification for recommendations.**

B- Intended Learning Outcomes (ILOs):

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

1. Define information regarding basic concept of pharmaceutical care and clinical pharmacy practice and be familiar with medical terminology
2. Recall facts and basic concepts regarding medical terminology and clinical significant side effects.
3. **Explain an individual's drug therapy regimen: Consider such factors as efficacy and effectiveness, adverse effects, patient values, cost, and ability to adhere to recommendations.**
4. **Determine the etiology, status, and severity of the medical problem.**
5. **Develop a complete medical problem list and criteria for determining medication appropriateness.**
6. **Analyze the appropriateness of treatment of each medical problem (e.g., is treatment not being addressed (under treatment), is the best drug being used based on the principles of evidence-based medicine, what are the risks vs. benefits of treatment of a particular medical problem, is the drug therapy causing harm).**

Proactively investigates new knowledge, approaches or behavior and takes steps to evaluate and improve performance (Self-learner).

7. **Seek proactively new knowledge related to drugs, supplements, herbal and diseases management through browsing the internet based professional web sites.**
8. **Collect and interpret proactively information from medical websites, medical guidelines and journal databases.**

Exhibit behaviors and values that are consistent with the trust given to the profession by patients, other healthcare providers, and society (Professional).

9. **Demonstrate integrity by not cheating and not committing plagiarism**
10. **Demonstrate respect to academic staff and classmates by observing active listening inside the classroom**

22. Topic Outline and Schedule:

Lecture	Topic	Teaching Methods*/platform	Evaluation Methods**	References
1	Introduction to pharmaceutical care	MS teams	Midterm exam	As mentioned below
2-3	Overview of the pharmaceutical care process	MS teams	Midterm exam	As mentioned below
4	HTN case: implementation of pharmaceutical care)	MS teams	Midterm exam	As mentioned below
5-6	Collecting patient data base	MS teams	Midterm exam	As mentioned below
				As mentioned below
				As mentioned below
7	Medical history	MS teams	Midterm exam	
8-9	Identification of treatment related Problems	MS teams	Midterm exam	As mentioned below
				As mentioned below
10-11	Workshop: identification of treatment related problems	MS teams	Midterm exam	As mentioned below
				As mentioned below
12	The need for pharmaceutical care			
13-16	Pharmacy Care Plan (goals, interventions, documentation and consult note, monitoring and follow up) Afib case implementation	MS teams	Final exam	As mentioned below
				As mentioned below
				As mentioned below
				As mentioned below
17-20	Providing drug information in pharmacy practice	Previously recoded lectures/ e-learning website	Assignment (workshop)	As mentioned below
				As mentioned below
				As mentioned below
				As mentioned below
21-22	Providing drug information in pharmacy practice workshop			
23-24	Adverse drug reactions	MS teams	Final Exam	As mentioned below

25-27	Drug-Drug interactions a) PD and PK absorption (including adsorption and chelation) b) Absorption – distribution (until drug displacement) c) Drug distribution second mechanism-	MS teams	Final Exam	As mentioned below	
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- Teaching methods include: Synchronous lecturing/meeting; Asynchronous lecturing/meeting
- Evaluation methods include: Homework, Quiz, Exam, pre-lab quiz...etc

23 Evaluation Methods:

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

Evaluation Activity	Mark	Topic(s)	Platform	Period
Midterm exam	30	TBA	In school of pharmacy unless otherwise indicated by new regulations	23/11-13/12
Final exam	40	All topics included		
Providing drug information in pharmacy practice wxam	20	Providing drug information in pharmacy practice	Juexam.com	23/12/2021 At 8 pm on JUexams
Top 10 drug interactions	10			

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

25 Course Policies:

A- Attendance policies:

B- Absences from exams and submitting assignments on time:

C- Health and safety procedures:

D- Honesty policy regarding cheating, plagiarism, misbehavior:

- No side talks
- No mobile phones
- The participation, the commitment of cheating will lead to applying all following penalties together:
- ✓ Failing 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:

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

26 References:

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

1. Pharmaceutical Care Practice: The Patient-Centered Approach to Medication Management Services (3rd edition) Cipolle, RJ, Strand, LM, & Morley, PC, McGraw-Hill, 2012. ISBN-13: 978-0071756389
2. Langely CA, Belcher D. Applied Pharmaceutical Practice. 1st ed. 2008. Pharmaceutical Press. London. 2009. ISBN 978 0 85369 746 6
3. [Medication Therapy Management: A Comprehensive Approach](#). David M. Angaran, Karen Whalen. 2015. ISBN: 978-0-07-184869-5
4. Community and Clinical Pharmacy Services: A Step-by-Step Approach. Ashley W. Ellis, Justin J. Sherman. 2013. ISBN 978-0-07-176375-2
5. Communication Skills in Pharmacy Practice: A Practical Guide for Students and Practitioners. Robert S. Beardsley, Carole L. Kimberlin, William N. Tindall. 2011. SBN-13: 978-1608316021

Important videos

<https://www.youtube.com/watch?v=fhYnd8B9fYk>

<https://www.youtube.com/watch?v=kyk1kmYWr7Q>

B- Recommended books, materials and media:

27 Additional information:

Name of Course Coordinator: Eman Elayeh -Signature: ----- Date 5/10/2021

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

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

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

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