



## The University of Jordan

Faculty: Faculty of pharmacy

Department: Department of Biopharmaceutics and Clinical pharmacy

Program: Pharm D

Academic Year/ Semester: Fall 2013/2014

Course Name (Course Number): Pharmacy Practice 1 (1203405)

Credit hours	2 hours	Level	4th year	Pre-requisite	Pharmacology II (1203364)
Coordinator/ Lecturer	Rana Abu Farha	Office number	206	Office phone	23341
Course website	<a href="http://elearning.ju.edu.jo/course/view.php?id=4786">http://elearning.ju.edu.jo/course/view.php?id=4786</a>	E-mail	ranaabufarha@ju.edu.jo	Place	JPM class room

Office hours					
Day/Time	Sunday	Monday	Tuesday	Wednesday	Thursday
	2-3	2-3	2-3	2-3	2-3

### Course Description

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.

### Learning Objectives

1. Understand the basic concept of pharmaceutical care and clinical pharmacy practice.
2. Be familiar with medical terminology and patient history taking.
3. Develop a basic clinical pharmacy practice skills.
4. Develop relevant communication skills.
5. Identify the sources for and collect the essential elements of a pharmaceutical care database.

**Intended Learning Outcomes (ILOs):**

Successful completion of the course should lead to the following outcomes:

**A. Knowledge and Understanding: Student is expected to**

A1. Understand the basic concept of pharmaceutical care and clinical pharmacy practice.

A2. Be familiar with medical terminology and patient history taking.

**B. Intellectual Analytical and Cognitive Skills: Student is expected to**

B1- Develop a basic clinical pharmacy practice skills.

B2- Develop relevant communication skills.

B3- Identify the sources for and collect the essential elements of a pharmaceutical care database.

**C. Subject-Specific Skills: Student is expected to**

C1- Be able to collect data base according to pharmacist patient data base model, and determine which types of information is needed for each case.

C2- Be able to assess the reliability of patient's data base.

**D. Transferable Key Skills: Students is expected to**

D1-Communicate effectively with patients, physicians, and other health care professionals.

D2.Effectively assess patients adherence and be able to solve such problems.

**ILOs: Learning and Evaluation Methods**

ILO/s	Learning Methods	Evaluation Methods
All	Lectures and Discussions, Homework and Assignments, Projects, Presentation, ...	Exam, Quiz, presentation, project, assignments, ...

## Course Contents

Content	Reference	Week	ILO/s
Introduction to the course (outline)	----	Week 1	-----
Introduction to pharmaceutical care	----	Week 1, 2	A1
Review of pharmaceutical care process	----	Week 2, 3	A1
The need for Pharmaceutical care: Drug related morbidity and mortality, results from Jordan and around the world	----	Week 3	A1
عطلة عيد الأضحى المبارك	----	Week 4	----
Barriers to pharmaceutical care	----	Week 5	A1
Clinical & Economic Impact of Pharmaceutical Care Practice: Minnesota PC Project	----	Week 6	A1
Becoming a Practitioner: The Tools You Will	----	Week 7	B1
Providing Drug Information in Pharmacy Practice	----	Week 8, 9	B3
Literature review using pubmed	----	Week 9	
Midterm Exam (30 marks)	----	-----	----
Patient Counseling (THE PAR and the RIM TECHNIQUE)	----	Week 10, 11	B2
Basic Communication Skills	----	Week 11, 12	D1
Pharmaceutical Care Process: Standards of Care : Step 1 Collecting patient data base	----	Week 12, 13	A2, C1
Taking Patient History	----	Week 13, 14	C1, C2
Medication adherence	----	Week 14, 15	D2
Patient counseling (video clip): (group of 5). (10 marks)	----	Week 15	B2

### Learning Methodology

Teaching methods will include lectures, workshops, videos and case studies.

### Projects and Assignments

Patient counseling (video clip): (group of 5) (10 marks)

### Evaluation

Evaluation	Point %	Date
Midterm Exam	40 %	----
Project/Assignment	10 %	Last lecture of semester
Homework	----	----
Final Exam	50%	----

### Main Reference/s:

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