

The University of Jordan
Faculty of pharmacy

Biopharmaceutics and Clinical
pharmacy
Pharmacy program

Fall Semester/2014

Case studies in therapeutics 1 (1203427)

Credit hours	1	Level	4th year Pharm D students	Pre-requisite	
Coordinator/ Lecturer	Ph.Maysa Abu kamar	Office number	108	Office phone	5355000/EXT23340
Course instructors:	Ph.Maysa Kamar	E-mail	m.kamar@ju.edu.jo	Place	Faculty of pharmacy

Office hours					
Day/Time	Sunday	Monday	Tuesday	Wednesday	Thursday
	10-11	10-11	10-11	10-11	11-12

Course Description

This course is directed toward introducing students to Pharmaceutical Care. Students will use simulated clinical cases to develop the students' ability to assess patients conditions, determine reasonable treatment alternatives, select appropriate therapy and monitoring parameters, and to justify those choices by utilizing knowledge & skills acquired in therapeutics

Learning Objectives

- To understand steps of Pharmaceutical Care.
- To classify and analyze the problems properly according to the classification system in the manual.
- To write " Pharmacist Care Plan" and "Pharmacist monitoring sheet".
- To apply all skills learned previously.

Intended Learning Outcomes (ILOs):

A. Knowledge and Understanding:

A1- How to write" Pharmacist Care Plan

A2-Learn about the most important topics:

(Diabetes mellitus, Hypertension,)

B. Intellectual Analytical and Cognitive Skills: Student is expected to
B1-Learn how to assess abnormalities in Lab tests.

B2-Learn how to calculate ideal body weight and body mass index

B3-Learn how to Assess Kidney function and Liver function

B4-Learn about basic internet-web browsing skills needed to obtain guidelines treatment of various diseases encountered during rotations as well as to drug databases.

C. Subject-Specific Skills:

1. practice solving basic pharmaceutical problems.

2. To stimulate the processes of group discussion, teamwork, and synergy in finding answers to basic and clinical questions arising from case study.

3. To continue to use the process of group-based problem solving for basic and therapeutic questions arising from structured case situations.

4. To aid students' independent problem-solving abilities through learning how to find and use existing resources with a particular emphasis on the use of current literature.

5. To stimulate long-term learning of pharmaceutical information that may or may not be covered in the didactic pharmacotherapeutics courses.

6. To learn to give effective patient education

ILOs: Learning and Evaluation Methods

ILO/s	Learning Methods	Evaluation Methods
A+B+C	Lectures, Group discussions, Homework, Assignments.	Exams Quizzes Assignments.

Course Contents

Content	Reference	LAB#	ILO/s
1-Introduction a. Introduction to the course b. how to write appropriate "Pharmacist Care Plan" and "Pharmacist Care Plan Monitoring"	1-- Pharmaceutical Care Practice: The Patient-Centered Approach to Medication Management Services (3rd edition) Cipolle, RJ, Strand, LM, & Morley, PC, McGraw-Hill, 2012. 2-pharmacotherapy - a pathophysiologic approach 8th edition	1	To aid students' independent problem-solving abilities through learning how to find and use existing resources with a particular emphasis on the use of current literature
2 -Essential hypertension(13)	Schwinghammer, T.L., Pharmacotherapy Casebook - A Patient-Focused Approach, 8th Edition		-Learn about the most important topics -To practice solving basic pharmaceutical problems. -To improve students presentation skills
3-Systolic HF(15)	Schwinghammer, T.L., Pharmacotherapy Casebook - A Patient-Focused Approach, 8th Edition	2	-Learn about the most important topics -To practice solving basic pharmaceutical problems. -To improve students presentation skills
5-STEMI(18)	Schwinghammer, T.L.,	4	-Learn about the most

	Pharmacotherapy Casebook - A Patient-Focused Approach, 8th Edition		important topics -To practice solving basic pharmaceutical problems. o practice solving basic pharmaceutical problems. -To improve students presentation skills
6-NSTEMI	Koda-Kimble MA and Young LY, et al. (eds), Applied Therapeutics: The Clinical Use of Drugs, 10th ed. Lippincott Williams & Wilkins, Baltimore, MD.	5	-Learn about the most important topics -To practice solving basic pharmaceutical problems. -To improve students presentation skills
7-Hyperlipidemia(25)	Schwinghammer, T.L., Pharmacotherapy Casebook - A Patient-Focused Approach, 8th Edition	6	-Learn about the most important topics -to practice solving basic pharmaceutical problems. -To improve students presentation skills
8-DM type 1(82)	Schwinghammer, T.L., Pharmacotherapy Casebook - A Patient-Focused Approach, 8th Edition	7	-Learn about the most important topics -To practice solving basic pharmaceutical problems. -To improve students presentation skills
9-DM type 2(84)	Schwinghammer, T.L., Pharmacotherapy Casebook - A Patient-Focused Approach, 8th Edition	8	-Learn about the most important topics -To practice solving basic

			pharmaceutical problems. -To improve students presentation skills
10-DVT(21)	Schwinghammer, T.L., Pharmacotherapy Casebook - A Patient-Focused Approach, 8th Edition	9	-Learn about the most important topics -To practice solving basic pharmaceutical problems. -To improve students presentation skills
Midterm Exam	Exam consists of three cases, The exam will cover all material covered in lectures.		
Final exam	Exam consists of three cases, The exam will cover all material covered in lectures.		

Learning Methodolog:

- 1-Lectures
- 2-Group discussions
- 3-Homeworks, Assignments.
- 4-quizes

Evaluation

Evaluation	Point %
Pharmacy care plan worksheet	10%
evaluation	5%
Case study presentations	15%
quizzes	10%
Midterm Exam	30%
Final exam	30%

Main Reference/s:

1-Schwinghammer, T.L., Pharmacotherapy Casebook - A Patient-Focused Approach, 8th Edition, McGraw-Hill, New York.

2- Charles F. Lacy et al., Lexi-Comp's Drug Information Handbook, 19th ed. 2011,

3-Koda-Kimble MA and Young LY, et al. (eds), Applied Therapeutics: The Clinical Use of Drugs, 10th ed. Lippincott Williams & Wilkins, Baltimore, MD.

4-www.uptodate.com

5- pharmacotherapy - a pathophysiologic approach 8th edition

6- Pharmaceutical Care Practice: The Patient-Centered Approach to Medication Management Services (3rd edition) Cipolle, RJ, Strand, LM, & Morley, PC, McGraw-Hill, 2012.