



Philadelphia University
Faculty of pharmacy
Department of clinical science
Second semester, 2016/2017

<u>Course syllabus</u>	
Course title: Clinical pharmacy and therapeutics 1 practical	* Course code: 0510535
Course level: 4th	Course prerequisite (s) and/or corequisite (s): Clinical pharmacy and therapeutics 1
Lecture time: Sunday: 1.10 Tuesday: 8.10 1.10 Wednesday: 1.10 Thursday: 8.10 1.10	Credit hours: 1 hour Contact hours: 2 hours

<u>Academic Staff</u>				
<u>Specifics</u>				
Name	Rank	Office number and location	Office hours	E-mail address
Tahani Bahnasi	lecturer	527	10 -11	tbahnasi@philadelphia.edu.jo

Course description (According to the University Catalogue)

The course is designed to enhance the ability of the students to solve clinical cases from different medical branches ,each week students will apply the knowledge acquired from lectures and readings to patient cases that will be discussed with peers in weekly workshop sections. Each session will be used to formulate appropriate therapeutic decisions, assess a patient’s condition, determine appropriate therapy and reasonable treatment alternatives, monitoring parameters and to justify those choices for cases such as GI , endocrine and cardio vascular diseases ,based on an appropriate understanding of the underlying pathophysiology and diagnostic criteria.

Course objectives:

1. Identify and assess patient complaints and it's relation to pharmacological and non pharmacological therapy and drug-related problems upon clinical presentation of a patient with multiple medical problems which includes signs, symptoms, laboratory and radiographic test results, and medication use history.
2. Discuss the pathophysiology, etiology and risk factors of the disease processes occurring in the patient and get familiarity with diagnostic and laboratory tests and with the interpretation of it's results.
3. Select the most appropriate treatment management considering special populations (pregnant and lactating women, neonates, children, elderly)
4. Identify drug-related problems (drug-drug, drug-food, drug-disease or drug-laboratory test interactions).
5. Enhance the ability to communicate effectively with the patient by using lay language and techniques appropriate to ensuring patient adherence to the therapeutic plan and achievement for a safe and effective use.
6. Monitoring therapy for expected therapeutic outcomes and potential adverse effects of drug treatment
7. Pharmaceutical care practice and utilizing what students have learned in the virtual pharmacy,.

Course/ resources

- **Text book/ books (title , author (s), publisher, year of publication)**

Text book:**1.Pharmacotherapy: A Pathophysiologic Approach, 9th e**

Joseph T. DiPiro, Robert L. Talbert, Gary C. Yee, Gary R. Matzke, Barbara G. Wells, L. Michael Posey(2014)

2. Koda Kimble Applied Therapeutics 10th e Edited By Brian K. Alldredge, PHARMD (2013)

- **Support material (s) (vcs, acs, etc).**
Handouts when needed
- **Study guide (s) (when applicable)**
- **Laboratory Handbook/ books (when applicable)**
Handouts containing clinical cases to be solved which related to each disease that will be discussed in each lab session

Teaching methods (Lectures, discussion groups, tutorials, problem solving, debates, etc)

- Lectures, workshop and cases discussion ,students will review the pathophysiology of major disease states, the pharmacology of the drugs used to treat these disease states, and critically analyzed the decision processes to create and implement therapeutic plans.
- Virtual pharmacy practice.

Learning outcomes:

- Knowledge and understanding
Upon completion of this course students will be able to: read and understand clinical cases .
- Cognitive skills (thinking and analysis).
Students will be able to:
Identify active medical problems, disease states, signs , symptoms, and abnormal laboratory values.
Identify the drug-induced problems ;detect contraindications, drug –drug interactions and side effects.
- Communication skills (personal and academic).
Students will improve the ability for group discussions and critical thinking
- Transferable Skills.
Doing homework and solve clinical cases report

Assessment instruments

- Reports
- Quizzes.
- Homework
- Final Exams

<u>Allocation of Marks</u>	
Assessment Instruments	Mark
Reports	30
Quizzes	20
homework	10
Final Exam	40
Total	100

Documentation and academic honesty

- **Documentation style (with illustrative examples) Whenever applicable,**
Students should conduct their assignments themselves whether individually or in a group work referencing all information, data taken from literature. The references should be given according to the acceptable format.
- **Protection by copyright**
Students should realize that some published information or data are the property of their authors and they are not allowed to use it without asking permission from the originators.
- **Avoiding plagiarism.**
Plagiarism is the unauthorized use or close imitation of the language and thoughts of another author and the representation of them as one's own original work, without proper acknowledgment of the author or the source. Students must pursue their studies honestly and ethically in accordance with the academic regulations.
Cheating in exams and plagiarism are totally unacceptable and those who, intentionally, commit such acts would be subjected for penalties according to the University regulations.

Course/ academic calendar

week	Basic and support material to be covered	reports and their due dates
(1)	Introduction	26/2-2/3
(2)	Guide to Writing a SOAP Note	Soap note report 5-9/3
(3)	Laboratory tests reading and interpretation	12-16/3
(4)	Constipation and diarrhea management	Cases report 19-23/3
(5)	Ulcerative Colitis and Crohn's disease management	Case report 26-30/3
(6)	First exam	-----
(7)	Complicated Peptic ulcer and Pyloric Stenosis management	Case report 9-13/4
(8)	Uncomplicated peptic ulcer management	Cases report 16-20/4
(9)	Hypertension management	Cases report 23-27/4
(10)	Eclampsia and preeclampsia management	Cases report 30/4-4/5
(11)	Second exam	-----
(12)	Hyperlipidemia management	Cases report 14-18/5
(13)	Virtual pharmacy	Cases report 21-25/5

Expected workload:

On average students need to spend 2 hours of study and preparation for each 120-minute lecture/workshop.

Attendance policy:

Absence from lectures and/or tutorials shall not exceed 15%. Students who exceed the 15% limit without a medical or emergency excuse acceptable to and approved by the Dean of the relevant college/faculty shall not be allowed to take the final examination and shall receive a mark of zero for the course. If the excuse is approved by the Dean, the student shall be considered to have withdrawn from the course.

Other Education Resources

Books

Clinical pharmacy and therapeutics Edited by Roger Walker and Cate Whittlesea (2012)
Handbook of Applied Therapeutics by Mary Anne Koda-Kimble eighth edition (2007)

Journals

Websites:

<http://www.philadelphia.edu.jo/pharmacy/resources.html>