



PHILADELPHIA UNIVERSITY
FACULTY OF PHARMACY
DEPARTMENT OF CLINICAL PHARMACY
Second semester 2016/2017

<u>Course Syllabus</u>	
Course Title: Clinical Pharmacy and Therapeutic 2 Practical	Course code: 0510533
Course Level: 5th year	Credit hours: 1
Lab. Time: Sun: 8:10-10:10, 13:10-15:10 Mon: 14:15 - 16:15 Tue: 8:10-10:10 , 1:10-13:10 Wed : 2:15 - 4:15 Thu: , 13:10 – 15:00	Course prerequisite(s) and/or co-requisite(s): Clinical Pharmacy and Therapeutic 1 practical (0510535)

<u>Academic Staff Specifics</u>			
Name	Rank	Office number and location	E-mail address
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Course module description:

This course is a continuity course for therapeutic 1 practical course. Various clinical cases of different diseases will be discussed each to assess a patient's condition, determine reasonable treatment alternatives, select appropriate therapy (pharmacological and non-pharmacological therapy), and monitoring parameters and to justify those choices by utilizing knowledge and skills acquired in pharmacotherapy I, for different types of infection as respiratory tract infections, urinary tract infections, and skin diseases and cosmeceutical conditions. As well as practicing at the virtual pharmacy. In the virtual pharmacy students will practice by using two systems ,one is scientific and the other one is commercial. Various issues will be discussed such as introducing the applications of cost-effectiveness methodologies into different clinical aspects , recognize different brand, generic and trade names of antibiotics, the difference between cost and public price and how to calculate the public price.

Course module objectives:

The course is designed to provide the student basic information about Practical therapeutic 2, by the end of the lab the student should:

1. Recognize the signs and symptoms for certain conditions such as respiratory, urinary infections, and skin diseases based on an appropriate understanding of the underlying pathophysiology and diagnostic criteria.
2. Compare various treatment options and select and/or recommend patient-specific treatment therapy plans including drugs, life style, and monitoring parameters to control disease.
3. Evaluate the appropriateness of patient-specific drug therapy regimens.
4. Counsel patients regarding the proper use of the drugs used.
5. Monitor expected therapeutic outcomes and potential adverse effects of drug treatment, including frequency of monitoring.
6. Utilize the acquired knowledge and practice at the virtual pharmacy.
7. Recognize the difference between brand , trade and generic drugs.
8. Recognize the difference between cost price and public price.
9. Learn how to calculate the public price.

Course/ module components

Books (title , author (s), publisher, year of publication):

1. Pharmacotherapy : A Pathophysiologic approach by J. Dipiro, 9th Edition (2014).
2. Applied therapeutics' by K kimble, 10th Edition (2013).

The above textbooks cover the course material in detail. However, additional practical tips, examples and conclusions are discussed in details by the lecturer and the student will be responsible for the additional material.

Teaching methods

Practical work shop and case discussions, virtual pharmacy practice.

Learning outcomes:

• **Knowledge and understanding**

Improve the student's practical knowledge of all aspects, about drug therapy and his/ her understanding of its effect on curing or reliving signs and symptoms of different diseases.

• **Cognitive skills (thinking and analysis).**

Enhance the student's therapeutic problem-solving skills so that he/ she can integrate and apply pathophysiologic and pharmaco-therapeutic knowledge in drug therapy plan development specific for each patient condition.

• **Communication skills (personal and academic).**

Improve the students ability for group discussions and critical thinking.

• **Transferable Skills.**

Doing homework and solve clinical cases reports.

Assessment instruments

<u>Allocation of Marks</u>	
Assessment Instruments	Marks
Reports	30
Quizzes	20
Evolution and home works	10
Final examination	40
Total	100

Course/module academic calendar

Weeks	Basic and support material to be covered	Homework /quizzes and their due date

26/2-2/3	Introduction to antibiotics Pharmacology and clinical indications (part 1)	
5/3-9 /3	Introduction to antibiotics Pharmacology and clinical indications (part 2)	Home Work
12/3 – 16/3	Upper respiratory tract infections and case study.	Quiz #1
19/3-23/3	Lower respiratory tract infections (Pneumonia) and case study.	Quiz #2
26/3-30/3	Virtual pharmacy practice and application.	
2/4-6/4	First Exams	
9/4-13/4	Meningitis	Home work
16/4-20/4	Upper urinary tract infections and case study.	Quiz #3
23/4-27/4	Lower urinary tract infections and case study.	Quiz #4
30/4-4/5	Skin and soft tissue infection (part 1)	
7/5-11/5	Second Exams	
14/5- 18/5	Skin and soft tissue infection (part 2)	
21/5-25/5	Virtual pharmacy practice and application.	

Documentation and academic honesty

- **Documentation style (with illustrative examples)**

Taking headlines/notes from the lab manual with further elaborated/detailed discussion during the lab hours.

It is expected that all students help to maintain an environment of academic honesty. The following behaviors are strictly forbidden during the administration of the exam: talking, wearing of hats with bills, checking, sending, and answering of cell phone message including text messages and passing of papers or notes. Students must keep their eyes on their own paper. All students are required to hand-in the packet of test questions with their name and 6-digit student ID number clearly indicated on each page of the exam.

Whenever applicable, students should conduct their assignments themselves whether individually or in a group work referencing all information, data, figures and diagrams 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.

Attendance policy:

Absence from 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.

Module references

References:

Students will be expected to give the same attention to these references as given to the Module textbook(s)

Clinical pharmacy and therapeutics by R walker, 5th Edition (2010)

Websites

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