



Jerash University
Faculty of pharmacy
Department of pharmaceutical science

Course Syllabus

Course Title: Clinical Pharmacy and Therapeutics 1 Lab	Course code: 1101532
Course Level: Fifth	Course prerequisite (s) and/or co requisite (s): Clinical Pharmacy and Therapeutics 1
Lecture Time: Tuesday : 8-10	Credit hours: 1 Credit hour

Academic Staff

Specifics

Name	Rank	Office Number and Location	Office Hours	E-mail Address
Dr. Eyad Qunaibi	Associate Professor	Office (409) Faculty of Pharmacy, Phone (513)		eyadqunaibi@yahoo.com

Course module description:

This course is a continuation for the course of Clinical Pharmacy and Therapeutics 1. In this course, liver cirrhosis, endocrine dysfunction, stroke, as well as ischemic heart disease are discussed; their etiology, epidemiology, pathogenesis, clinical presentation, stages and classification, lab screening and diagnostic procedures. In addition, the course involves therapeutic management of these diseases that includes designing most effective and safe therapeutic regimens with proper medication in the right dose, route and frequency, in addition to non-pharmacological interventions, life-style modifications, and patient education. There is emphasis in the course on teaching the student how to use useful databases, formal webpages, and mobile applications and how to self-learn post-graduation.

Course module objectives:

By the end of the course students should be able to:

1. Use specialized websites such as Medscape, Drugs.com, and PubMed Clinical Queries to search for updated clinical and therapeutic information.
2. Describe epidemiology, pathogenesis, clinical manifestations, and diagnostic procedures for each of the discussed diseases.
3. Choose the most appropriate drug therapy for each condition and to suggest the correct dosage form, dose and dose intervals and define pharmacotherapy goals.
4. Provide counseling to patients, paramedical and medical staff on aspects of drug therapy.
5. Monitor for drug efficacy and toxicity.

6. Suggest the most appropriate intervention strategies whenever required.

Course/ module components

- Power point presentations, case studies, and clinical/pharmaceutical websites.

References:

1. Pharmacotherapy: A Pathophysiological Approach. Joseph DiPiro *et al*, 9th edition, 2014.
2. Pharmacotherapy Handbook. Barbara Wells *et al.*, 9th edition, 2015.
3. Disease management guidelines (specified in lecture notes).
4. Drugs in Use. Linda J Dodds, 5th edition, 2013.

Teaching methods:

No	Teaching Strategies and Methods
1	Formal teaching lectures (Tools: board, data show)
2	Discussion
3	Case studies
4	Access to related websites, databases, and guidelines during the class
5	Training the students on related mobile applications

Learning outcomes:

- The same as those mentioned under (Course Objectives) with emphasis on:
 1. Critical thinking.
 2. Problem-solving skills.
 3. Qualifying the students to self-learn, search for related information.
 4. Digital literacy (use databases, most recent guidelines, webpages, and applications that are related to the diseases they learn about).

Assessment instruments

Exams and quizzes.

<u>Allocation of Marks</u>	
Assessment Instruments	Mark
Mid examination	30%
Quizzes	30%
Final examination: 50 marks	40%
Total	100%

Course/module academic calendar

Week	Basic and support material to be covered
(1)	Introduction
(2)	Liver Cirrhosis
(3)	Liver Cirrhosis The use of Medscape to search for therapeutic information
(4)	Type 2 Diabetes Mellitus

(5)	Type 2 Diabetes Mellitus
(6)	Type 1 Diabetes Mellitus
(7)	
Midterm Exam	
(8)	Hyperthyroidism
(9)	Hypothyroidism
(10)	The use of Medscape calculators and interaction checker and Drug.com interaction checker
(11)	Stroke
(12)	The use of PubMed Clinical Queries and Trip database
(13)	Ischemic Heart Disease
(14)	
Final Exam	

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.

References:

5. Pharmacotherapy: A Pathophysiological Approach. Joseph DiPiro *et al*, 9th edition, 2014.
6. Pharmacotherapy Handbook. Barbara Wells *et al.*, 9th edition, 2015.
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