



Jerash University
Faculty of pharmacy
Department of pharmaceutical science
First semester, 2016/2017

Course Syllabus

Course Title: Pharmacology II	Course code: 1101335
Course Level: Third year	Course prerequisite (s) and/or co requisite (s): Pharmacology I
Lecture Time: S+TU 13:00-14:30	Credit hours: 3 credit hours

Academic Staff Specifics

Name	Rank	Office Number and Location	Office Hours	E-mail Address
Dr. Abdel Hadi Al Jafari	Doctor	Office (412) Faculty of Pharmacy, Phone (504)	11:00-13:00	abdelhadi.aljafari@jpu.edu.jo

Course module description:

This module is a major requirement that is designed to provide the students with the unit processes taking place in pharmacology at this level, the student has been exposed to pharmacology I. It deals with the study of the mechanism of action, metabolism & excretion, clinical use & toxicities of drugs that act on the endocrine systems, gastrointestinal system & respiratory system. It also study the chemotherapeutic agents-together with the antiviral & antimycotic agents

Course module objectives:

The objective s of the course is to allow the students to

- 1. Possess the knowledge & abilities for the proper use & safe-use of drugs.**
- 2. Utilize information for education of health care professionals & the public.**
- 3. Possess skills on the proper use & misuse of herbal supplements.**
- 4. Broaden student knowledge on research work & clinical experience**

Course/ module components

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

1. Basic and Clinical Pharmacology

by Bertram G. Katzung,(Author) MacGraw Hill,(Publisher) 10th edition 2007-----
-----ISBN: 978-007-110441-8 or MHID: 007-110441-0 (indai version)

References:

1. The pharmacological basis of therapeutics.

By Brunton;Laurence L.Lazo,Johns S.Parker,Keith L & and Alfred Goodman Gillman. (Editors) 11 edition .
McGraw-Hill (Publisher).
ISBN 0-07-142

- Support material (s) (vcs, acs, etc).
- Study guide (s) (if applicable)
- Homework and laboratory guide (s) if (applicable).

Teaching methods:

Lectures, tutorials & Seminars.

Learning outcomes:

- Knowledge and understanding
- Cognitive skills (thinking and analysis).

-Possess self learning skills, problem solving & critical thinking abilities.

Interpret, analyze & evaluate information in the literature

- Communication skills (personal and academic).

Write clear concise & organized communication. Give oral presentation to small & large groups

- Practical and subject specific skills (Transferable Skills).

Students will apply most of the acquired knowledge from the theoretical lectures in the co- requisite practical laboratory. The theoretical information also allows them to be able to perform a research & experimental work.

Assessment instruments

- Short reports and/ or presentations, and/ or Short research projects
- Quizzes.
- Home works
- Final examination: 40 marks

<u>Allocation of Marks</u>	
Assessment Instruments	Mark
First examination	20%
Second examination	20%
Final examination: 50 marks	40%
Reports, research projects, Quizzes, Home works, Projects	20%
Total	100%

Documentation and academic honesty

- Documentation style (with illustrative examples)
- Protection by copyright
- Avoiding plagiarism.

Course/module academic calendar

Week	Basic and support material to be covered	Homework/reports and their due dates
(1)	Endocrine hormones; pancreatic hormones	Reports on insulin
(2)	Anti-diabetic drugs	
(3)	Hypothalamic,Pituitary hormones & synthetic analogue.	
(4)	Thyroid and anti-thyroid drugs	Reports on Anti thyroid
(5)	-Adrenocorticosteroids & Adrenocortical antagonists	Seminars on Mis use of corticosteroids.
(6) First examination	Agents that affect bone mineral homeostasis.	
(7)	The Gonadal hormones & inhibitors.	
(8)	Chemotherapeutic drugs; Introduction to chemotherapy.B-Lactam antibiotics & other inhibitors of the cell wall synthesis. Penicillin.	Reports on mis use of chemotherapeutic agents.
(9)	Cephalosporins,Imipenems and monolactams.	
(10)	Chloromphenicol, Tetracyclines,Macroids and Clindamycin.	
(11) Second examination	Aminoglycosides and other drugs used to treat gram negative infection.	
(12)	Sulphonamides and urinary tract antiseptics.	
(13)	Anti-viral, Anti-mycobacterium and Anti-fungal drugs.	
(14)	Miscellaneous; Anti-microbial agents; disinfectant, antiseptics and sterilants. Anti-protozoa and Antihelmentic drugs.	
(15) Specimen examination (Optional)	Drugs used in gastrointestinal disease; Peptic ulcer, Emetic and –Emetics, laxatives and Anti-diarrheal agents etc....	Reports and seminars on gastrointestinal drugs.
(16) Final Examination	Final Exam	

Expected workload:

On average students need to spend 2 hours of study and preparation for each 50-minute lecture/tutorial.

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.

Module references

Books

1. Basic and Clinical Pharmacology

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2. The pharmacological basis of therapeutics.

By Brunton;Laurence L.Lazo,Johns S.Parker,Keith L & and Alfred Goodman
Gillman. (Editors) 11 edition .

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ISBN 0-07-142280-3