



Jerash University
Faculty of pharmacy
Department of pharmaceutical science

Course Syllabus

Course Title: Pharmacology II Lab	Course code: 1101336
Course Level: third year	Course prerequisite (s) and/or co requisite(s): Pharmacotherapy
Lecture Time: Wednesday(1.00-3.00)	Credit hours: one hour

Academic Staff Specifics

Name	Rank	Office Number and Location	Office Hours	E-mail Address
Abdelhadi aljafari	Doctor	Office (412) Faculty of Pharmacy, Phone (504)	11:00-13:00	abdelhadi.aljafari@jpu.edu.jo
Asmaa Alhassan	Instructor	Office (414) Faculty of Pharmacy	Sun: 8.00-10.00	Asmma92@hotmail.com

Course module description:

The course is designed to provide the student with basic information about practical pharmacology: how to manipulate with animals and administer drugs and seeing the effects of these drugs.

Course module objectives:

At the end of this module, students will be able to:

Manipulate the animals easily , feeding them and administer drugs for them.

Course/ module components:

- **Books (title , author (s), publisher, year of publication)**
pharmacology katzung 2015

The above textbook covers 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:

PowerPoint lectures and some practical laboratories about how to give drugs to animals by oral, inhalation, subcutaneous, intraperitoneal, and intramuscular methods.

Learning outcomes:

Interactive learning by participating the student in manipulating animals and giving them drugs using different routes of drug administration.

Communication skills (personal and academic).

Review concept at office hours.

- Practical and subject specific skills (Transferable Skills).

Doing homework's, Assignment, Quizzes.

Assessment instruments

<u>Allocation of Marks</u>	
Assessment Instruments	Mark
Midterms Examination	30%
Final examination:	40%
Reports, research projects, Quizzes, Home works, Projects	30%
Total	100%

Documentation and academic honesty

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

Course/module academic calendar

Week	Basic and support material to be covered
(1)	Introduction to pharmacology
(2)	Animals types in pharmacological experiments
(3)	Handling and restraining animals part 1
(4)	Handling and restraining animals part 2

(5)	Routes of drug administration
(6)	Midterms Examinations
(7)	Evaluation of parasympathetic drugs effects on glandular secretion
(8)	Anesthesia
(9)	Insulin hypoglycemic shock
(10)	Practical in animal house
(11)	Practical in animal house
(12)	Practical in animal House
(13)	Seminars discussion
(14)	Final Examination

Expected workload:

On average students need to spend 1 hours of study and preparation for each 50-minute lecture/tutorial.

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

Books

Pharmacology , Lippincott 2014