

**University of Baghdad
College of Nursing
MSN. Program**

Course Syllabus
Pharmacology I

**2022/2023
1st Semester**

**This syllabus is subject to change. Changes will be announced to students.
It is the responsibility of the student to comply with any changes.**

General Information & Policies

Course Number and Title: Pharmacology

علم الادوية

Number of Credit Hours: Pass/Fail

Times & Places: Wednesday @10:30 AM-12:30 PM ,Number 2 Hall (beside the library).

Prerequisites: None

Course Description: The student should have extensive knowledge of medicines, their types, and the mechanisms of a new area only. Understanding of physiological and biochemical principles related to drug action. Know how to use medicines. Principles and methods of drug administration. Knowing the different types of medicines and their methods. Identify the side effects of drugs and their pharmacokinetics. Knowing the toxicity of drugs and methods of evaluating the safety of drugs and their intersection with other drugs or foods.

Teaching Methods: Lectures, discussions, & assignments. Google Classroom shall be used for online discussion.

Evaluation Methods: Theoretical exams and Daily exams

Faculty, Contact Information, & Office Hours:

Dr. Ali Hussien Saliem, Adult Nursing Department- College of Nursing- or pharmacology and toxicology , college of vet. Medicine, University of Baghdad

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Office hours ► See my weekly schedule!

Required Textbook(s) and Other Materials:

- Lippincott Illustrated Reviews: Pharmacology
- Pharmacology for nursing.
- Baghdad University theses & dissertations manual!

Academic Dishonesty: Academic honesty is required in all aspects of a student's relationship with the university.

Course Objectives

By the completion of this course the student will be able to:

A1- The student's knowledge of the different types of drugs, the scientific classification followed for these drugs, and the study of their chemical composition.

A2- The student's knowledge of the course of these drugs, starting from absorption, diffusion, metabolism and excretion outside the body

A3- Knowing the methods of evaluating drugs.

A4- The student's knowledge of injuries and diseases that can be treated with special types of medicines

A5- Identify the ways in which drugs affect enzymes and receptors

B1- The student will be able to choose the appropriate treatment for diseases.

B2- The student can avoid side effects and toxicity.

B3- The student will be able to calculate the appropriate dose of medication

B4- The student will be able to evaluate the treatment and its safety and risk.

B5- The student will be able to know the precautions for the use of medicines and methods of treating misuse and overdose.

Course Requirements

Provide all the necessary requirements to clarify the following points

A 1- Taking into account the application of ethical principles in the use of treatments for patients.

A 2 Considering the safety of the patient to be in the first place.

A 3- Trying not to make a mistake and not to use wrong doses or prohibited medicines in certain cases such as pregnancy, kidney and liver failure.

Evaluation & Grading

Distribution of Points:

Requirements	Possible Points
midterm theory exam.	25%
REPORT and Quizzes	5%
The total of 30% before the final exam.	
The Final exam	70%
Total	100%

Course Schedule and activities

The structure of the theoretical course 1					
week	hours	Unit name/topic	Required learning outcomes	Education method	Evaluation method
-1	2	Principles of pharmacology, Drugs names, OTC Drugs	<ul style="list-style-type: none">- Introduction to pharmacology- Know general aspect of pharmacology	Lecture by power poin	<ul style="list-style-type: none">- Making quizzes- Discussion
-2	2	pharmacokinetic	<ul style="list-style-type: none">- How to drug absorption- Know the drug distribution	Lecture by power poin	Making quizzes

			Know the metabolism and excretion		
-3	2	Absorption and distribution		Lecture by power poin	- Discussion
-4	2	Metabolism and excretion		Lecture by power poin	Making quizzes
-5	2	Pharmacodynamics	How the drug produced effect by interaction with enzymes and receptors	Lecture by power poin	- Discussion
6	2	drug response		Lecture by power poin	Making quizzes
7	2	Mid-term Exam.			
8	2	Drugs acting on autonomic and somatic nervous system	Classification of Drugs acting on autonomic and somatic nervous system ,effects and properties	Lecture by power poin	Making quizzes
9	2	Cholinergic drugs		Lecture by power poin	- Discussion
10	2	Adrenergic drugs		Lecture by power poin	Making quizzes
11	2	Drugs acting on central nervous system	Classification of Drugs acting on CNS, effects and properties	Lecture by power poin	- Discussion
12	2	Cardiovascular system drugs		Lecture by power poin	Making quizzes
13	2	Antihyperlipidimic		Lecture by power poin	- Discussion
14	2	Blood drugs		Lecture by power poin	Making quizzes
15	2	Drug affecting gastrointestinal function	Classification of Drugs acting on GIT ,effects and properties	Lecture by power poin	- Discussion

Nursing education aims to prepare students to be competent professionals who provide compassionate care to patients. Despite controversy about whether compassion is innate or learned (Durkin et al., 2018; Richardson et al., 2015), evidence indicates compassion, caring, and empathy can be taught (Durkin et al., 2018). Nurses can develop insights from specialized knowledge in the therapeutic area, with a variety of clinical

experiences, education, and training (Lown, 2014). Nurses can provide insight about patients by showing respect, carefully gathering patient information to increase their understanding of patients' needs, and engaging patients in their own treatment and caring process (Van der Cingel, 2014). Insight enables nurses to effectively manage changes in patients' status, including the release of pent-up emotions. Subareas of insight thus encompass a respectful attitude toward patient challenges and nurses' efforts to control emotions during patient care.