



University of Baghdad
College of Nursing
Undergraduate Curriculum
Pharmacology



1. **Course Title: Pharmacology**
2. **Course Number:**
3. **Credit Hours:** () credits
4. **Course Calendar:** Total (2) hours weekly of (15) weeks per course
5. **Placement: Second years / First and Second Semester**
6. **Courses Description:**

This course provides a continuation of the study of the properties, effects, and therapeutic value of the primary agents in the major drug categories. Topics include pharmacokinetic, pharmacodynamics of drugs, autonomic and central nervous system agents, anti-inflammatory agents, and anti-infective drugs. Upon completion, students should be able to place major drugs into correct therapeutic categories and identify indications, side effects, and trade and generic names.

7. **Course Objective:**

Upon successful completion of the course, the student will be able to:

- 1-Apply knowledge of basic information in the introduction of pharmacology and its branches and related terms, pharmacokinetic and pharmacodynamics of drugs.
- 2- Apply knowledge of basic pharmacology of autonomic nervous system (ANS) agents to explain classification, mechanism of action, clinical uses and adverse effects of drugs for treatment of common disease states.
- 3- Apply knowledge of basic pharmacology of central nervous system (CNS) drugs to explain classification, mechanism of action,

clinical uses and adverse effects of these agents for treatment of common disease states.

4-Apply knowledge of basic pharmacology of cardiovascular system, blood and antihyperlipidemic drugs to explain classification, mechanism of action, clinical uses and adverse effects of drugs for treatment of common disease states.

5-Apply knowledge of basic pharmacology of autacoids and anti-inflammatory drugs to explain classification, mechanism of action, clinical uses and adverse effects of drugs for treatment of common disease states.

6-Apply knowledge of basic pharmacology of digestive system drugs to explain classification, mechanism of action, clinical uses and adverse effects of drugs for treatment of common disease states.

7-Apply knowledge of basic pharmacology of respiratory system drugs to explain classification, mechanism of action, clinical uses and adverse effects of drugs for treatment of common disease states.

8- Apply knowledge of basic pharmacology of vitamins, minerals, and nutritive agents to explain classification, mechanism of action, clinical uses and adverse effects of drugs for treatment of common disease states.

9. Apply knowledge of basic pharmacology of glucose control agents and hormones to explain classification, mechanism of action, clinical uses and adverse effects of drugs for treatment of common disease states.

10. Apply knowledge of basic pharmacology of antimicrobial agents to explain classification, mechanism of action, clinical uses and adverse effects of drugs for treatment of common disease states.

11. Apply knowledge of basic pharmacology of antineoplastic agents to explain classification, mechanism of action, clinical uses and adverse effects for treatment of common disease states.

8. Courses Outline:

PHARMACOLOGY: THEORETICAL SUBJECTS		weeks
First semester		
Principles of pharmacology		2
pharmacokinetic		2
pharmacodynamics		2
Drugs acting on autonomic and somatic nervous system		2
Drugs acting on central nervous system		2
Drug affecting gastrointestinal function		2
Autacoids and anti-inflammatory drugs		2
Evaluation of drug safety		1
Second semester		
Chemotherapy of microbial diseases		3
Chemotherapy of parasitic disease		2
Anticancer drugs		2
Drug acting on cardiovascular system and blood		1
Drug affecting renal function and fluid-electrolyte therapy		1
Drug affecting the respiratory system		1
Endocrine pharmacology and hormones		3
Drugs interaction		1
Introduction to toxicology		1