



**University of Thi-Qar
College of Nursing
Undergraduate Program
pharmacology for nursing/ II**

- 1. Course Title:** Pharmacology for Nurses (II)
- 2. Course Number:** (309)
- 3. Credits Hours:** (2) Credits
- 4. Course Calendar:** (2) hours weekly of (15) weeks
- 5. Placement:** Third years / Second semester
- 6. Course Description:**

This course is a complementary to pharmacology (1) course. It introduces different types of drugs according to the systems of human body. The students gain knowledge about the therapeutic effects of each drug, doses, route of administration, side effects, and its toxicity.

7. Course Goals:

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

1. Differentiate between different types of drugs, their actions, doses, routes of administration, side effect, and their toxicity.
2. Classify types of drugs according to the body system.
3. Identify the risk effects of the given therapeutic drugs.
4. Recognize poisoning and drugs used to minimize poison absorption, and emergency treatment for oral and poisons and the using of specific antidote gases
5. Identify the nurse's role in the pharmacological and procedures used to management various types of poisons.

8. Course Outline:

Part I: Antihistamines Drugs

- 1.1. The two types of Antihistamines: (H₁ Antagonists and H₂ Antagonists).
- 1.2. Basic pharmacology and preparations of H₁ and H₂ Antagonists.

Part II: Analgesic Drugs:

- 2.1. Cyclooxygenase Inhibitors
- 2.2. Narcotic Analgesic Drugs.
- 2.3. Combination Non-narcotic and Narcotic Analgesic drugs.

Part III: Respiratory Tract Drugs:

- 3.1. Drugs for Asthma : pathophysiology of Asthma.
- 3.2. Overview of major drugs for Asthma.
- 3.3. Drugs for allergic rhinitis
- 3.4. Drugs for cough (Anti-tansies, Expectorants, and Mucolytics).
- 3.5. Cold remedies: combination preparation.

Part IV: Endocrine disorders Drugs:

- 4.1. Drugs for thyroid disorders:
- 4.2. Drugs for disorders of the Adrenal Cortex:
- 4.3. a- Estrogens, progestin's and Hormonal contraceptives.
b- Androgens and Anabolic steroids.
- 4.4- Drugs for Diabetes Mellitus.

Part V: Midterm Examination

Part VI: Gastrointestinal Drugs:

- 6.1. Drugs for Peptic and duodenal ulcers:
- 6.2. Laxatives: Basic pharmacology of Laxatives Drugs:
- 6.3. Emetic and Antiemetic Drugs
- 6.4. Ant diarrheal Agents
- 6.5. Pancreatic Enzymes.

Part VII: chemotherapy of Infections Diseases:

- 7.1. Basic principles of antimicrobial therapy:
- 7.2. Antibacterial Agents:
- 7.3. Anti-tubercular Drugs:
- 7.4. Antifungal Agents:
- 7.5. Antiviral agents
- 7.6. Antiseptics and Disinfectants

Part VIII: Chemotherapy of Parasitic Disease:

- 8.1. Anthelmintics:
- 8.2. Anti malarial agents
- 8.3. Anti protozoa drugs

Part IX: Midterm Examination

Part X: Cancer Chemotherapy:

- 10.1. Basic principle of Cancer Chemotherapy.
- 10.2. Anticancer Drugs.(cytotoxic, alkylating agents, antimetabolites, antibiotics. .. other)

Part XI: Immunosuppressant Drugs

Part XII: Nutritional Disorders:

- 12.1. Vitamins (lipid and water soluble vitamins).
- 12.2. Enteral and parenteral Nutrition.

Part XIII: Toxicology:

- 13.1. Management of poisoning.
- 13.2. Fundamentals of treatment .
- 13.3. Drugs and procedures used to minimize poison absorption.
- 13.4. Drugs and procedures used for poison removal.
- 13.5. Specific antidotes.