

**J. Sargeant Reynolds Community College
Course Content Summary**

Course Prefix and Number: HLT 250

Credits: 3

Course Title: General Pharmacology

Course Description: Emphasizes general pharmacology for the health-related professions, covering general principles of drug actions/reactions, major drug classes, specific agent within each class, and routine mathematical calculations needed to determine desired dosages.

Prerequisite or Co-requisite: HLT 101 and HHLT 101

Student Learning Outcomes:

Upon completing the course, the student will be able to

- a. Explain basic drug actions;
- b. Identify drug categories and the systems they work on;
- c. Discuss common over-the-counter medications; and
- d. Identify commonly prescribed drugs and their uses.

Major Topics to Be Included:

- a. Introductions to pharmacology
- b. Overview of pharmacokinetics
- c. Pharmacodynamics
- d. Therapeutics
- e. Toxicology
- f. Autonomic nervous system
- g. Central nervous system
- h. Non-narcotic analgesics, antihistamines, and anti-inflammatory agents
- i. Renal and cardiovascular
- j. Gastrointestinal tract
- k. Antimicrobial drugs
- l. Antineoplastic agents

- m. Immunosuppression including Immunotherapy and vaccines
- n. Blood
- o. Hormones hormone agonists
- p. Vitamins
- q. Dermatology
- r. Ophthalmology
- s. Over-the-counter medications

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