

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

Course Prefix and Number: HLT 250

Credits: 3

Course Title: General Pharmacology

Course Description (including lecture hours, lab hours, total contacts)

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. Lecture 3 hours per week.

General Course Purpose

Prepares students for internship experience.

Course Prerequisites/Corequisites

HLT 143 or as corequisite

Course Objectives

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
- 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
- n. Blood
- o. Hormones hormone agonists
- p. Vitamins
- q. Dermatology
- r. Ophthalmology
- s. Over the counter medications

Effective Date of Course Content Summary (Month, Date, Year): February 12, 2009