

COURSE OUTLINE

NURS-150

Basic Pharmacology

3 Semester Hours

HOWARD COMMUNITY COLLEGE

Description

This course will increase your knowledge of pharmacology and pharmacodynamics. The focus will be on drug actions and their nursing implications. Prerequisite: NURS-101.

Overall Course Objectives

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

1. Summarize drug regulation in the United States
2. State unique nursing implications of investigational drug therapy.
3. Identify the basic principles of pharmacology and pharmacodynamics.
4. Identify drugs by major classifications and summarize major actions.
5. Identify major adverse effects and drug interactions of selected drugs.
6. Present conclusions about safe nursing actions based upon knowledge of pharmacology.
7. Apply the principles of pain management to patient care.
8. Interpret patient drug allergy history.

Major Topics

- I. Introduction
 - A. Drug regulation
 - B. Drug action and pharmacodynamics
 - C. Drug interactions
- II. Drugs affecting the central nervous system
- III. Drugs affecting the autonomic nervous system
- IV. Drugs affecting the cardiovascular and renal systems
- V. Drugs affecting the respiratory system
- VI. Antimicrobials and antineoplastics

VII. Hormones and endocrine drugs

VIII. Drugs affecting the GI tract

Course Requirements

Grading/Exams

Grading procedures will be determined by the individual faculty member but will include the following:

Final grades will be based upon exams and a project.

The course includes a comprehensive final.

Writing:

A written class project is optional. An oral presentation may be substituted.