Department:

Health Sciences

Course Description:

This course introduces the principles of pharmacology, drug classifications, and the effects of selected medication on the human body. The course will cover drug classifications, use of generic name drugs, trade drugs, and drugs to treat various body systems. Emphasis is placed on understanding the actions of the drugs, such as absorption, distribution, metabolism, and excretion of drugs by the body, and matching drugs to common conditions and laboratory findings. This course does not meet the current requirements for nursing.

Course Competencies:

Upon completion of the course, the student should be able to:

1. Describe drug classification.
2. List several forms in which drugs are manufactured and explain their advantages and disadvantages.
3. List several routes of drug administration and explain their advantages and disadvantages.
4. List the steps of the drug cycle and explain how drug use affects the body.
5. Compare and contrast local and systemic drug therapy.
6. Define therapeutic level, allergies, and side effects of drugs.
7. Identify the trade names of common generic drugs used to treat each body system.
8. When given a common generic or trade name drug, identify the category where it belongs.
9. Pronounce and spell common generic and trade name drugs.
10. Define common drug abbreviations, including units of measurement.
11. When given a common generic or trade name drug, match the drug to the common condition for treatment or laboratory findings.
12. Achieve general course outcomes.
   a. Make reasonable judgments after gathering, analyzing, and evaluating information.
   b. Obtain data using technological and traditional processes.
   c. Communicate verbally and in writing with varying audiences and technologies.
   d. Apply interpersonal skills and knowledge to actual situations.

Course Content:

A. History of the Creation and Development of Medication
B. Drug Classification
C. Drug Categories
D. Form in Which Drugs Are Manufactured
E. Disadvantages and Advantages of Different Routes of Drug Administration
F. Drug Cycle
G. Trade Names of Drugs
H. Generic Names of Drugs
I. Effects of Drugs on the Body Through Absorption, Distribution, Metabolism, and Excretion
J. Drug Allergies
K. Drug Interactions
L. Common Drugs Prescribed
M. Common Conditions and the Drugs to Treat Them

Learning Assessments:

Course competencies will be assessed by use of discussion questions, graded assignments, comprehensive assignments, research paper, quizzes, and exams.

Instructional Materials:

To be announced.

Guidelines for Requesting Accommodations Based on Documented Disability or Medical Condition

It is the intention of Highland Community College to work toward full compliance with the Americans with Disabilities Act, to make instructional programs accessible to all people, and to provide reasonable accommodations according to the law.

Students should understand that it is their responsibility to self-identify their need(s) for accommodation and that they must provide current, comprehensive diagnosis of a specific disability or medical condition from a qualified professional in order to receive services. Documentation must include specific recommendations for accommodation(s). Documentation should be provided in a timely manner prior to or early in the semester so that the requested accommodation can be considered and, if warranted, arranged.

In order to begin the process all students must complete the “Disabilities Self-Identification Form” at this link: https://highlandcc.edu/pages/disability-services.

This form can also be accessed at the Highland Community College homepage under Students Services/Student Resources/Disability Service or by contacting the Disabilities Coordinator.