

## **PHA 136**

### **Course Objectives:**

1. Identify terminology relating to basic pharmacology
2. Explain the difference between therapeutic effect, side effect and toxic effect
3. Explain the relationship between drug dosage, drug response and time (CD, LA, XR formulations) and half-life.
4. Explain drug safety in various patient populations (Beer's list)
5. Discuss caution to be exercised with high alert and look-alike, sound-alike drugs
6. Identify chemical, generic and proprietary drug names
7. Explain the process of pharmacokinetics including the first pass effect.
8. Define different types of drug interactions
9. Explain basic terminology related to drug dependency
10. Identify general drug classifications
11. Identify common drugs within selected classes and explain their action and effect
12. Discuss proper drug storage

### **General Education Learning Outcomes**

- I. Communicate Effectively
  1. Read and listen with comprehension.
  2. Speak and write clearly using Standard English.
  3. Interact cooperatively with others using both verbal and non-verbal means.
  4. Demonstrate information processing through basic computer skills.
- II. Think Critically
  1. Make connections in learning across the disciplines and draw logical conclusions.
  2. Demonstrate problem solving through interpreting, analyzing, summarizing, and/or integrating a variety of materials.
  3. Use mathematics to organize, analyze, and synthesize data to solve a problem.
- III. Learn Independently
  1. Use appropriate search strategies and resources to find, evaluate, and use information.
  2. Make choices based upon awareness of ethics and differing perspectives/ideas.
  3. Apply learning in academic, personal, and public situations.
  4. Think creatively to develop new ideas, processes, or products.
- IV. Examine Relationships in Diverse and Complex Environments
  1. Recognize the relationship of the individual to human heritage and culture.
  2. Demonstrate an awareness of the relationship of the individual to the biological and physical environment.
  3. Develop an awareness of self as an individual member of a multicultural global community.