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 HLT 143. Lecture 3 hours per week.

General Course Purpose: Prepares students for internship experience and Pharmacy National Board Exam

Course Prerequisites and Co-requisites  
Prerequisite or Co-requisite: HLT 101 and HLT 143

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

Date Created/Updated (Month, Day, and Year): December 5, 2019