

Common Course Outline

PAST 241

Pharmacology I

2 Credits

The Community College of Baltimore County

Description

Pharmacology I

Presents the basic principles of pharmacology and pharmacokinetics, focusing on basic principles of prescribing; covers the clinical use of antibiotics, analgesics, hypoglycemic agents, insulin, and medications used for treatment of peptic ulcer disease; the first of two courses.

Overall Course Objectives

At the conclusion of the course the student will be able to:

- A. Discuss general principles of pharmacokinetics;
- B. Calculate dosages;
- C. Discuss principles of drug absorption, administration, and metabolism;
- D. List indications and contraindications for the medications discussed;
- E. Discuss mechanisms of drug action for medication discussed;
- F. Discuss adverse reactions, side effects and idiosyncratic reaction to drugs discussed;
- G. Discuss drug interactions for the entities discussed; and
- H. Communicate drug therapeutics with other members of the health care team (prescription and order writing).

Major Topics

- A. Pharmacokinetics
- B. Dosage calculation
- C. Prescription writing format
- D. Drug classifications
- E. Primary care pharmacopeia
 - a. antibiotics
 - b. analgesics
 - c. insulin
 - d. hypoglycemic agents
 - e. antacids
 - f. antihistamines
 - g. antihypertensives

Course Requirements

Methods of Evaluation:

- A. Written Examination

Other Course Information

Methods of Instruction:

A. Lecture