

# PHM 120 : PHARMACOLOGY I

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## Transcript title

Pharmacology I

## Required materials

Requires textbook.

## Credits

5

## Grading mode

Standard letter grades

## Total contact hours

50

## Lecture hours

50

## Corequisites

PHM 100, PHM 110, PHM 125.

## Course Description

Introduces trade and generic names of commonly prescribed drugs used in prevention and treatment of various disease entities. Emphasizes important contraindications, side effects, precautions and interaction of drugs, and the process of drug utilization review. Covers pharmacological categories and factors that can affect drug kinetics.

## Course learning outcomes

1. Recall the processes of pharmacokinetics, terms to describe beneficial and harmful effects of drugs, and drug interactions.
2. Recall the roles of receptors in the body, common drug interactions, and "rights" of correct drug administration.
3. List components of a prescription, common dosage forms, routes of administration, factors that influence effects of drugs, and the role of the pharmacy technician.
4. Recall principles of how various classes of pharmaceuticals act in different body systems, including the central nervous system, cardiovascular and respiratory system, gastrointestinal system, muscles, and joints.

## Content outline

1. The profession of pharmacy
2. Pharmaceutical development
3. Pharmacology study for the pharmacy technician
4. Medication safety and prescription orders
5. The integumentary system and drug therapy
6. The musculoskeletal system
7. The nervous system, central nervous system disorders, and drug therapy
8. The nervous system, mental health, and drug therapy
9. The sensory system and drug therapy
10. The cardiovascular system and drug therapy