

# PHM 120 : PHARMACOLOGY I

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## Transcript title

Pharmacology I

## Credits

5

## Grade mode

Standard letter grades

## Contact hours total

50

## Lecture hours

50

## Corequisites

PHM 100, PHM 101.

## Description

This online course introduces students to trade and generic names of commonly prescribed drugs used in prevention and treatment of various disease entities. Emphasis is placed on important contraindications, side effects, precautions and interaction of drugs and the process of drug utilization review. The course will provide a basic understanding of pharmacological categories and factors that can affect drug kinetics.

## Learning outcomes

1. Recognize the importance of contributors and events in pharmacology over the ages along with the federal laws that regulate drugs.
2. Describe and define the processes of pharmacokinetics, terms to describe beneficial and harmful effects of drugs, and drug interactions.
3. Describe and define the roles of receptors in the body, common drug interactions, and "rights" of correct drug administration.
4. Explain components of a prescription, common dosage forms, routes of administration, factors that influence effects of drugs, and the role of the pharmacy technician.
5. Identify therapeutic effects, side effects, contraindications, and administration routes of the following drug classes: Antibiotics, antifungals, viral infection therapy, anesthetics, narcotics, psychiatric drugs, central nervous system drugs, respiratory drugs.
6. Explain 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.