

# PHM 130 : PHARMACOLOGY II

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## Transcript title

Pharmacology II

## Required materials

Textbook required.

## Credits

5

## Grading mode

Standard letter grades

## Total contact hours

50

## Lecture hours

50

## Corequisites

PHM 140, PHM 180A.

## Course Description

Continues the introduction to trade and generic names of commonly prescribed drugs used in prevention and treatment of various disease entities. Emphasizes important contraindications, side effects, precautions, drug interactions, and process of drug use review. Provides pharmacological categories and factors that can affect drug kinetics.

## Course 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 the processes of pharmacokinetics, terms to describe beneficial and harmful effects of drugs, and drug interactions.
3. Describe 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: gastrointestinal drugs, renal system drugs, cardiovascular drugs, muscle and joint drugs, hormonal disorders drugs, topical, ophthalmic, and otic medications, cancer and chemotherapy drugs, vitamins, electrolytes, nutrition, antidotes, and bioterrorism.

## Content outline

1. Respiratory system and drug therapy
2. Gastrointestinal system and drug therapy
3. Endocrine system and drug therapy
4. Reproductive system and drug therapy
5. Renal system and drug therapy
6. Immune system, bacterial infections, fungal infections, and drug therapy
7. Immune system, viral infections, and drug therapy