

# Course Overview



## Course Information

**Code:** PHL-435

**Title:** Pharmacology III

**Cr hr:** 2+1

**Level:** 7

**Program:** PharmD

**Co-requisites:** None

**Prerequisites:** PHL-333

## Course Description

This course introduces the student to endocrine pharmacology and antimicrobial drugs. Students will be taught pharmacokinetics, classification, pharmacological actions, mechanism of action, therapeutic uses, drug interactions, and adverse drug reactions of drugs involved in endocrine pharmacology and antimicrobial drugs. The practical part of the course deals with the application to the uses of drugs studied in the theoretical part of the course and drug-interaction using case studies and presentations.

## Topics

- Pancreatic hormones and antidiabetic drugs
- Hypothalamic pituitary hormones
- Thyroid and antithyroid drugs
- Adrenocorticosteroids and adrenocortical antagonists
- The gonadal hormones and inhibitors
- Drug interactions
- Introduction to antibiotics
- Beta lactams and other cell-wall and membrane-active antibiotics
- Protein synthesis inhibitors
- Folic acid synthesis and inhibitors
- DNA gyrase inhibitors