

# Course Overview



## Course Information

**Code:** PHL-333

**Title:** Pharmacology II

**Cr hr:** 3+1

**Level:** 6

**Program:** PharmD

**Co-requisites:** None

**Prerequisites:** PHL-331

## Course Description

This course introduces the student to central nervous system and cardiovascular pharmacology. Students will be taught disorders related to central nervous system and cardiovascular system along with classification, pharmacological actions, mechanisms of action, drug interaction, and clinical applications of drugs used in central nervous system and cardiovascular system and nonsteroidal anti-inflammatory drugs. The practical part of the course deals with the verification of the actions of drugs studied in the theoretical part of the course using appropriate practical demonstrations.

## Topics

- Antihypertensive agents
- Vasodilators and the treatment of angina pectoris
- Agents used in heart failure
- Agents used in cardiac arrhythmias
- Diuretics
- Agents used in dyslipidemia
- Drugs used in disorders of coagulation
- Introduction to the pharmacology of central nervous system drugs
- Sedative-hypnotic drugs
- Antiseizure drugs
- General anesthetics
- Local anesthetics
- Pharmacologic management of parkinsonism and other movement disorders
- Antipsychotic agents and lithium
- Antidepressants
- Nonsteroidal anti-inflammatory drugs, disease modifying antirheumatic drugs, nonopioid analgesics and drugs used in gout
- Opioid analgesics and antagonists
- Drugs of abuse