

Course Overview



Course Information

Code: PHT-220

Title: Fundamentals of Pharmaceutics

Cr hr: 2+1

Level: 3

Program: PharmD

Co-requisites: None

Prerequisites: None

Course Description

This course is designed to impart a fundamental understanding of the pharmaceutical basics relevant to dosage forms, development and production. This course covers parts of prescription, abbreviation, model prescription, labeling, weighing and measuring for compounding extemporaneous preparation and related incompatibilities. In addition, calculations needed in prescription and compounding of pharmaceutical preparations are covered.

Topics

- Introduction
- Pharmaceutical dosage forms
- Pharmaceutical routes of administration
- Basics of ADME algebra and graphs
- Prescription
- Labelling techniques
- Units and systems
- Concentration and dilution
- Dose calculations
- Isotonic and buffer solutions
- Compounding specialized formulas
- Incompatibilities