

# Course Overview



## Course Information

**Code:** PHT-223

**Title:** Microbiology

**Cr hr:** 2+1

**Level:** 4

**Program:** PharmD

**Co-requisites:** None

**Prerequisites:** None

## Course Description

This is an introductory study of microbiology. This course provides basic theoretical and practical knowledge of structures and functions of bacteria, viruses, fungi and parasites to students. The course covers basic physiology of microbes, it also deals with the mechanism of infection, pathogenesis, transmission and control of several different microbes as well as introduces the basic concept of disinfectants. Metabolic engineering and microbial biotransformation are also part of the curriculum.

## Topics

- Introduction to Microbiology
- Prokaryotic Microbes: Bacteria
- Eukaryotic Microbes: Fungi
- Eukaryotic Microbes: Parasites
- Virology
- Disinfectants
- Metabolic engineering and microbial biotransformation