

# Course Overview



## Course Information

**Code:** PHT-321

**Title:** Immunology

**Cr hr:** 2+0

**Level:** 5

**Program:** PharmD

**Co-requisites:** None

**Prerequisites:** PHT-223

## Course Description

This course familiarizes students on how the human body defense system protects the body against pathogenic agents (foreign or self) responsible for causing diseases as well as the molecular and cellular factors involved in preventing and controlling those diseases. The key topics in the course are: basic concepts of immunity, immune responses and regulations, autoimmunity, immunodeficiency diseases and pharmaceutical immunological products and their roles in prophylaxis, transplantation and diagnostics.

## Topics

- Basic concept of immunity and immune systems
- The innate immune system
- Vaccines
- Clinical aspects of immunity
- Immunoassays and immunodiagnostics