

# Course Overview



## Course Information

**Code:** PHL-537

**Title:** Toxicology

**Cr hr:** 2+0

**Level:** 8

**Program:** PharmD

**Co-requisites:** None

**Prerequisites:** PHL-436

## Course Description

This course is designed to provide the knowledge about various kinds of pharmaceutical drugs and other common toxicants and their relation to toxicokinetics and toxicodynamics principles. This course, which is based on written modules, is structured to comprehensively provide the student with the fundamental concepts of clinical toxicology. Particularly, basic management methods, procedures and specific antidotes commonly employed in clinical toxicology are introduced and explained as well as the concept of clinical toxicology within the field of pharmaceutical healthcare. It aims to supplement this information with frequent case studies, detailed module objectives, and critical thinking exercises, using active learning methods and assignments. Special toxicity of commonly used pesticides, mushroom poisoning, and animal bites will also be covered in this course.

## Topics

- Definitions and general principles of toxicology
- General management methods or procedures of the drug poisoned or overdosed patient
- Drugs toxicity
- Important organ specific drug-induced toxicities
- Hypervitaminosis, pesticides, animal bites, and mushroom poisoning
- Antidotal therapy
- Environmental toxicology
- Poison and drug information center practice