

# BIOL2510 : Pathophysiology I

This course focuses on the pathophysiology of cellular adaptation, injury and repair. Thereafter, the course focuses on the pathophysiology of anemia, neoplasms and white blood cell malignancies, brain and nervous system diseases, special senses, musculoskeletal system and joint diseases, and integumentary diseases. Immune defenses against infectious diseases and immunologic diseases are also covered. In addition, the etiology, pathophysiology, clinical manifestations and other clinical considerations of diseases in these systems will be discussed.

**Credits** 3

## **Prerequisites**

BIOL1101C: General Biology I

BIOL1111C: General Biology II

BIOL2120C: Cellular & Molecular Biology

BIOL2210C: Human Anatomy & Physiology I

BIOL2225C: Human Anatomy & Physiology II

BIOL2310C: Microbiology