

---

## **PATHOPHARMACOLOGY**

---

**MDC 124****Pathopharmacology****4.0 UNITS**

The pathophysiology component of this course places emphasis on the disease process affecting the human body course. The etiology and pathogenesis of diseases are described in the course with the application of diagnostic procedures and patient care. The pathology and the underlying principles of the following human systems are presented in this course: inflammation, diseases of the immunity, neoplasia, genetic and developmental diseases, fluid and hemodynamic disorders, cardiovascular pathology, respiratory and gastrointestinal pathology, renal and endocrine pathology, skeletal, male and female reproductive pathology, endocrine systems, the skin, bones and joints, muscles and the nervous system. The second component of the course is the study of pharmacology and diagnostic testing. Students will be able to define adverse reaction to drugs, interactions, and contraindications. Attachment IV Differentiation among drug names, generic names, trade names, and chemical names are discussed. Students are able to identify drugs according to body systems. Classes of drugs that will be covered in this class are: Adrenergic drugs affecting the neurological system, Psychiatric drugs, anticonvulsants and antiparkinsonism drugs, anesthetic drugs, anaglesics and antagonistic drugs, antihistamines, Bronchodilators, Antineoplastic Drugs, Cardiovascular Drugs, Musculoskeletal and Anti-inflammatory Drugs, antihypertensive drugs, antidiabetic drugs, antibacterial drugs, anti-infective drugs, and diuretics. The laboratory component allows students to reinforce didactic content.