

BIO 255 - PATHOPHYSIOLOGY

Course Description

This course covers the etiology, progression, and treatment of disease in the human body. Cellular and tissue structure and function are addressed along with the role of the immune system in body defenses. Disorders and diseases for each body system are covered, including investigation of clinical case studies of pathophysiology. Group 1 course.

Credit Hours

4

Contact Hours

4

Lecture Hours

4

Required Prerequisites

BIO 228, BIO 228L with grade of 2.0 or better.

Recommended Prerequisites or Skills

Competencies

BIO 208, ENG 111, HNR 107

General Education Outcomes supported by this course

Quantitative Reasoning

Course Learning Outcomes

Knowledge:

- Identify the proper response for treatment and care of diseases.

Application:

- Compare and contrast the states of wellness versus illness.
- Evaluate the disease state comparing it to the normal functioning of the human body.

Integration:

- Analyze physiological data researching the latest treatment protocols and procedures.
- Determine the appropriate course of action for each patient based on the patient's specific data.

Human Dimension:

- Recognize their role in providing support for patients and coworkers.
- Collaborate with peers and professionals in supporting patient care when dealing with illness.

Caring - Civic Learning:

- Reflect upon the biological process of life.
- Recognize the important balance between healthy and disease states.

Learning How to Learn:

- Utilize their core knowledge to interpret new information in their field relating to disease, treatment, and patient care.