

University of Arkansas - Fort Smith
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General Syllabus

HLTH 3103 Pathophysiology

Credit Hours: 3

Lecture Hours: 3

Laboratory Hours: 0

Prerequisites: BIOL 2203/2201 Human Anatomy/Laboratory and BIOL 2213/2211 Human Physiology/Laboratory

Prerequisites or corequisites (BSN only): NURS 2103 Introduction to Professional Nursing and NURS 3164 Health Assessment

Effective Catalog: 2018-2019

I. Course Information

A. Catalog Description

Study designed for the understanding of selected pathological disturbances relating to human disease processes. Principles of specific mechanisms of human disease pathophysiology are presented by organ system. Selected interventional technologies are explored.

B. Additional Information

This course will be presented utilizing multiple teaching/ learning strategies.

II. Student Learning Outcomes

A. Subject Matter

Upon completion of this course, the student will:

1. Apply principles of normal anatomy and physiology of human body systems to the pathophysiology processes of common health problems.
2. Examine the role of genetics and cellular responses to stress, injury and aging.
3. Identify concepts, principles, and responses related to pathophysiologic processes that result in disease and health problems.
4. Identify the pathogenesis, clinical manifestations, and outcomes of selected disease processes and health problems.
5. Discuss appropriate diagnostic techniques and pharmacological treatments of specific diseases.

B. University Learning Outcomes

This course enhances student abilities in the following areas:

Analytical Skills

Critical Thinking Skills: Students will use critical thinking skills to identify problems/issues and develop solutions/analysis.

Communication Skills (written and oral)

Students will communicate proficiently.

Ethical Decision Making

Students will model ethical-decision making processes.

Global and Cultural Perspectives

Students will reflect upon cultural differences and their implications for interacting with people from cultures other than their own.

III. Major Course Topics

- A. Module 1: Cell Function, Skin, Cancer and Inflammation
 - Alterations of Cellular & Tissue Biology
 - Stress & Disease
 - Inflammation and Wound Healing
 - Biology & Epidemiology of Cancer
 - Pain, Temperature, and Sleep Disorders
- B. Module 2: Skin and Cardiovascular Disorders
 - Skin Integrity
 - Cardiovascular Disorders
- C. Module 3: Pulmonary and Gastrointestinal Disorders
 - Pulmonary Disorders
 - Gastrointestinal & Liver Disorders
- D. Module 4: Nervous & Musculoskeletal Disorders
 - Nervous System Disorders
 - Musculoskeletal Disorders
- E. Module 5: Renal and Reproductive Disorders
 - Renal Disorders
 - Female & Male Reproductive Disorders
- F. Module 6: Hemopoietic & Endocrine Disorders
 - Hemopoietic Disorders
 - Endocrine Disorders