



## Syllabus

### BIO 223 Pathophysiology

#### General Information

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**Date** April 18th, 2019

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**Department** Science and Technology

**Course Prefix** BIO

**Course Number** 223

**Course Title** Pathophysiology

**Dual Listing (also listed as):** NUR 223

#### Course Information

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**Catalog Description** This course is designed for students who wish to apply their knowledge of physiology to disease states occurring across the lifespan. The course will consist of a review of the normal functioning of selected body systems, and then analysis of pathological function during disease of those systems and standard treatment for these pathological conditions.

**Credit Hours** 3

**Lecture Contact Hours** 3

**Lab Contact Hours** 0

**Other Contact Hours** 0

**Grading Scheme** Letter

#### Prerequisites

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BIO 172

#### Co-requisites

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None

## **First Year Experience/Capstone Designation**

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**This course DOES NOT satisfy the outcomes applicable for status as a FYE or Capstone.**

## **SUNY General Education**

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**This course is designated as satisfying a requirement in the following SUNY Gen Ed category**

None

## **FLCC Values**

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### **Institutional Learning Outcomes Addressed by the Course**

Vitality, Inquiry, Perseverance, and Interconnectedness

## **Course Learning Outcomes**

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### **Course Learning Outcomes**

1. Describe basic concepts of pathophysiology.
2. Correlate the causes, pathophysiological processes and treatment of commonly occurring selected disease entities across the life span encountered in clinical practice

## **Outline of Topics Covered**

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- I. Basic concepts of pathophysiology**
- II. Normal anatomy physiology of the following systems:**
  - a. Neurological system**
  - b. Endocrine system**
  - c. Hematologic system**
  - d. Cardiovascular system**
  - e. Pulmonary system**
  - f. Renal system**
  - g. Musculoskeletal**
  - h. Gastrointestinal system**
- III. In depth study of pathophysiological processes commonly occurring in the above listed body systems.**
- IV. In depth examination of the pathophysiology of selected commonly occurring disease entities across the lifespan as they relate to body systems listed in #2, their effect on bodily function, and associated treatment.**

## **Program Affiliation**

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**This course is not required as a core course in any programs.**