

# HEALTH SCIENCES (HLSC)

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## **HLSC 10100 - General Anatomy and Physiology (3)**

This course introduces students to the fundamental structures and functions of the human body, providing a comprehensive overview of all 11 body systems. Emphasis is placed on the integration of these systems and their roles in maintaining homeostasis. Students will engage with interactive tools and resources to enhance their understanding of basic physiological processes, with a focus on applications relevant to health sciences professions.

Corequisite: HLSC 10200

Attributes: Science/Lab Gen Ed

## **HLSC 10200 - General Anatomy and Physiology Lab (1)**

This laboratory course complements the lecture component by offering hands-on exploration of human anatomy and physiology. Students will utilize models and interactive tools to investigate the structural and functional relationships of all 11 body systems. Practical application is emphasized through guided laboratory exercises and case studies, reinforcing foundational concepts essential for health sciences careers.

Corequisite: HLSC 10100

Attributes: Science/Lab Component Gen Ed

## **HLSC 10300 - Advanced Anatomy and Physiology (3)**

Building on foundational knowledge from General Anatomy and Physiology, this course provides an in-depth study of physiological processes, system interactions, and regulatory mechanisms. Emphasis is placed on homeostasis, clinical applications, and the impact of pathological conditions on body function. Students will explore complex physiological concepts with direct relevance to health sciences fields.

Corequisite: HLSC 10400

Attributes: Science/Lab Gen Ed

## **HLSC 10400 - Advanced Anatomy and Physiology Lab (1)**

This advanced laboratory course enhances students' understanding of human physiology through experiential learning. Using hands-on techniques, students will investigate system interactions, homeostatic mechanisms, and the physiological responses to disease and dysfunction. Emphasis is placed on clinical applications through laboratory exercises, case studies, and problem-solving activities designed to prepare students for careers in the health sciences.

Corequisite: HLSC 10300

Attributes: Science/Lab Component Gen Ed

## **HLSC 10500 - Introduction to Medical Law and Ethics (3)**

This course will address medical ethics, medical practice acts, legal responsibilities, liability, human relations and civil duties of the healthcare professional. This course is designed to enable the student to understand and apply legal and ethical issues as they relate to the healthcare practitioner.

## **HLSC 20000 - Health and the Healthcare Team (3)**

This course examines the elements of health, variables that influence health, and the professions that contribute to personal and population health.

## **HLSC 40000 - Health Science Capstone (2)**

This experiential learning course provides an opportunity for students to partner with an agency whose objective is to improve the health of individuals or populations. The student will apply knowledge and skills gained in the Health Science Program to contribute to the objectives of the agency.

Prerequisite: HLSC 22000

Class Restrictions: May not be enrolled in one of the following Classes: First Year or Sophomore.