

**Common Course Number:** BSC-2086

**Course Title:** Human Anatomy and Physiology II

**Catalog Course Description:**

The structure and function of the systems of the human body, emphasizing those aspects most pertinent to students in the nursing and allied health technology programs.

**Credit Hours Breakdown:** 3 lecture hours

**Prerequisite:** BSC-2085

**Co requisite:** BSC-2086-Laboratory

**Course Competencies:**

**Competency 1:** The Cardiovascular System: Blood, Blood Vessels and the Heart

Upon successful completion of this course, the student will be able to understand the cardiovascular system by:

- 1.1 Describing the general characteristics of blood and its major functions.
- 1.2 Listing the types of blood cells and their functions, and blood types.
- 1.3 Naming the organs of the cardiovascular system and discussing their functions.
- 1.4 Tracing the pathway of blood through the heart and lungs.
- 1.5 Comparing the structures and functions of the major types of blood vessels.
- 1.6 Defining cardiac output and how it is regulated.
- 1.7 Identifying the factors that affect blood pressure and vascular resistance.
- 1.8 Explaining the relationship between diet, exercise, and cardiovascular health.