

BIOL195C : Anatomy and Physiology I

An introduction to the structure and function of the human body. Includes elementary cytophysiology, histology, and anatomy and physiology of the integumentary system, skeletal system, muscular system, nervous system, and special senses. Lab work parallels lecture topics and includes microscopy, study of human anatomical models, dissection of preserved animals, and physiological experimentation.

Credits 4

Lab/Practicum/Clinical Hours 2

Lecture Hours 3

Prerequisites

Students are required to pass prerequisite courses with a grade of C or higher. Exceptions apply; please consult your department chair.

- High school biology with lab or BIOL100C
- High school chemistry with lab or CHEM 100C

Learning Outcomes

Upon completion of this course, students will:

1. Compare and contrast inorganic and organic molecules as they relate to the structure and function of living things.
2. Define the cell theory and describe the structures and main functions of cells.
3. Examine the four main histology types of the human body.
4. Describe the structure (at all levels of organization), physiology, and homeostatic mechanisms (both intra- and intersystem) of each of the following systems: integumentary, skeletal, muscular, and nervous.
5. Demonstrate proper care and use of the compound light microscope.