



Syllabus

BIO 110L Fundamentals of Anatomy & Physiology Lab

General Information

Date May 20th, 2019

Author Christy Parker

Department Science and Technology

Course Prefix BIO

Course Number 110L

Course Title Fundamentals of Anatomy & Physiology Lab

Course Information

Catalog Description This hands-on laboratory course is intended for students pursuing the A.S. Physical Education & Exercise Science program. Students will perform experiments that integrate and apply fundamental concepts learned in the lecture portion of BIO 110 Fundamentals of Anatomy and Physiology. Analyses will be done at both microscopic and macroscopic levels utilizing representative anatomical models. Sample laboratory skills that students will practice include tissue microscopy, bone and muscle identification, organ dissection, and cardiovascular and respiratory measurements.

Credit Hours 1

Lecture Contact Hours 0

Lab Contact Hours 2

Other Contact Hours 0

Grading Scheme Letter

Prerequisites

None

Co-requisites

First Year Experience/Capstone Designation

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

SUNY General Education

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

None

FLCC Values

Institutional Learning Outcomes Addressed by the Course

Vitality, Inquiry, Perseverance, and Interconnectedness

Course Learning Outcomes

Course Learning Outcomes

1. Demonstrate laboratory procedures used to examine human anatomical structures and evaluate physiological functions.
2. Practice standardized laboratory safety skills.
3. Recognize interrelationships within and between anatomical and physiological systems of the human body.
4. Work collaboratively to promote content mastery.

Outline of Topics Covered

Proposed BIO 110L outline of topics (for syllabus)

- I. Body organization and the language of anatomy**
 - a. Major regions, landmarks, and cavities**
- II. Cell structure and transport**
- III. Tissue organization and classification**
 - a. Epithelia**
 - b. Connective**
 - c. Muscle**
 - d. Nervous**
- IV. Skeletal system**
 - a. Bones and bone markings**

