

PHYL 141L: Human Anatomy and Physiology I Lab

PHYL 141L is the laboratory course of Human Anatomy and Physiology I and it provides a thorough introduction to the structure and function of the human body. PHYL 141L covers the gross anatomy, histology, and physiology of the integumentary, skeletal, muscular, and nervous systems. Students will be expected to learn details of anatomy and physiology through models, dissections, and physiological experimentations. Students will also apply those details in the broader context of whole body function and homeostasis. The covered topics include body orientation, chemical level, cellular level, tissue level, integumentary system, bone tissue, skeletal system, joints, muscular tissue, muscular system, nervous tissue, spinal cord and spinal nerves, brain and cranial nerves, autonomic nervous system, and special senses. Formerly ZOO 141L.

Credits: 1

Lab Hours: 3

Prerequisites:

Credit for or registration in PHYL 141.

Program: [Physiology](#)

Student Learning Outcomes:

- Identify anatomical structures at the level of the cell, tissue, organ, and organ system through the use of models, computer images, observation, and dissections.
- Apply the scientific method to study, measure, analyze, and understand the physiological systems of the human body.