

PHYL 142: Human Anatomy and Physiology II

PHYL 142 is the second semester of a comprehensive two-semester course which provides a thorough introduction to the structure and function of the human body. PHYL 142 covers the gross anatomy, histology, and physiology of the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, reproduction systems as well as basic concepts of inheritance and development. Students will be expected to learn details of anatomy and physiology as well as applying those details in the broader context of whole body function and homeostasis. Formerly ZOOL 142.

Credits: 3

Lecture Hours: 3

Prerequisites:

A grade of C or better in PHYL 141.

Program: *Physiology*

Recommended:

Registration in PHYL 142L.

Student Learning Outcomes:

- Identify required anatomical structures of the covered systems.
- Identify required physiological functions of the covered systems.
- Describe metabolic processes of covered systems and relate them to everyday activities such as eating, sleeping, and exercise.
- Explain the concepts of positive/negative feedback and homeostasis and relate them to physiological processes covered in the course.