

PHYL 141 : Human Anatomy and Physiology I

Credits: 3

Class Hours: 3 lecture

Prerequisites: "C" or higher in ENG 100. "C" or higher in both CHEM 151 and CHEM 151L or CHEM 161 and CHEM 161L.

Corequisite Courses:

PHYL 141L

Comments: Computer/internet access required.

Description: This course is a comprehensive introduction to the structure and function of the human body for students entering health or medically-related fields. This basic course includes a study of the body's embryology, gross anatomy, microanatomy, physiology, homeostatic relationships, and the use of anatomy and physiology terms and concepts to develop thinking, reading and writing skills, and problem-solving abilities. The integumentary, skeletal, muscular, and nervous systems are studied.

Semester Offered: Fall, Spring

Designation:

Diversification: Biological Sciences – DB

Course Student Learning Outcomes (CSLOs):

1. Discuss the homeostatic relationships, both negative and positive feedback processes associated with the covered systems.
2. Discuss the maturation and aging processes involving the covered systems.
3. Demonstrate critical thinking by applying A and P terms, concepts, knowledge, and synthesizing information in various situations.
4. Identify the required anatomical structures and use the correct terminology to describe and discuss them.
5. Explain/discuss the gross and cellular physiology of the systems covered.
6. Describe the cause and effect relationship between the systems covered.
7. Describe the functional relationship between the listed systems.