

BIO 227 - HUMAN ANATOMY & PHYSIOLOGY I

Learning How to Learn:

- Interpret articles from relevant science journals.

Course Description

This course will include an introduction to cells, histology, biochemistry, and homeostasis. In addition, the following systems will be discussed: integumentary, skeletal, muscle, and nervous. Lecture will be accompanied by lab work and applications, which will stress the anatomy, histology and function of these organ systems. Group 1 lab course. Group 1 course. Students enrolling in BIO 227 who have not met the recommended prerequisites should plan on additional study time.

Credit Hours

4

Contact Hours

6

Lecture Hours

4

Required Prerequisites

MTH 111 or MTH 120; ENG 11/111 or ENG 111 may be taken concurrently.

Corequisites

BIO 227L

Recommended Prerequisites or Skills Competencies

CHM 101 or HAH 101 or completion of any 100-level Biology course

General Education Outcomes supported by this course

Quantitative Reasoning

Course Learning Outcomes

Knowledge:

- Apply key concepts, terms, and relationships by explaining how homeostasis underlies all the body's physiological processes.

Application:

- Use the scientific problem solving process to make decisions.
- Develop the ability to use quantitative reasoning within the discipline of AP.

Integration:

- Articulate the relationships between form and function of the human body.
- Link the knowledge learned in this course to real-life situations.

Human Dimension:

- Discuss complex physiological processes with lay people.
- Work effectively as a team member.

Caring - Civic Learning:

- Articulate curiosity about AP discovering answers to their own questions.