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Surveys human anatomy and physiology. Covers basic chemical concepts, cellular physiology, anatomy, and physiology of human organ systems. Assignments require college-level reading fluency, coherent written communication, and basic mathematical skills. Lecture 3 hours. Laboratory 3 hours. Total 6 hours per week. 4 credits

The purpose of BIO 145 is to provide students with an overview of structures and functions of major organ systems and how they contribute to homeostasis.

None

Upon completing the course, the student will be able to:

- Define and use appropriate terminology to effectively communicate information related to anatomy and physiology.
- Describe the principle of homeostasis and the use of feedback loops to control physiological systems in the human body.
- Describe the basic chemical architecture and processes of the human body.
- Describe the components and processes of a typical animal cell.
- List tx
  - Skeletal system
  - Muscular system
  - Nervous system
  - Endocrine system
  - Cardiovascular system and blood
  - Lymphatic system and immunity
  - Respiratory system
  - Digestive system
  - Urinary system
  - Fluid, electrolyte, and acid-base balance
  - Male and female reproductive systems

- Introduction to A&P
- Organ Systems

January 1, 2022