

BI 232Z : HUMAN ANATOMY AND PHYSIOLOGY II

Transcript title

Human Anatomy Physiology II

Credits

4

Grading mode

Standard letter grades

Total contact hours

60

Lecture hours

30

Lab hours

30

Prerequisites

BI 231Z.

Course Description

Examines the structure and function of the human body through a body systems approach. Explores anatomy and physiology of the central and peripheral nervous, endocrine, and cardiovascular systems at the relevant levels of biological organization (chemical, cellular, tissue, organ, and organ system). Covers special senses and the autonomic nervous system. This course includes a laboratory component.

Course learning outcomes

1. Explain key homeostatic mechanisms and feedback loops in the nervous, endocrine, and cardiovascular systems.
2. Describe anatomical structures and their relationships to function in the nervous, endocrine, and cardiovascular systems.
3. Explain key processes of the nervous, endocrine, and cardiovascular systems.
4. Relate the relevant levels of biological organization to the functions of the nervous, endocrine, and cardiovascular systems.
5. Describe how the nervous, endocrine, and cardiovascular systems interact with other body systems.
6. Apply physiological and/or anatomical concepts of the nervous, endocrine, and cardiovascular systems to practical scenarios such as clinical, public health, and societal issues.
7. Identify major structures in the nervous, endocrine, and cardiovascular systems using lab materials.

General education/Related instruction lists

- Science Lab