

BI 233Z : HUMAN ANATOMY AND PHYSIOLOGY III

Transcript title

Human Anatomy Physiology III

Credits

4

Grading mode

Standard letter grades

Total contact hours

60

Lecture hours

30

Lab hours

30

Prerequisites

BI 232Z.

Course Description

Examines the structure and function of the human body through a body systems approach. Explores anatomy and physiology of the respiratory, digestive, immune, lymphatic, urinary, and reproductive systems at the relevant levels of biological organization (chemical, cellular, tissue, organ, and organ system). Covers acid-base balance and human development. This course includes a laboratory component.

Course learning outcomes

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

General education/Related instruction lists

- Science Lab