

CUMBERLAND COUNTY COLLEGE

Course: BI 107 Anatomy and Physiology II

Credits: 4

Prerequisites: BI 106

Description:

An integrated course with laboratory exercises closely correlated to the lectures dealing with the nervous system, endocrine system, cardiovascular system, lymphatic system, respiratory system, digestive system and urinary system.

Learning Outcomes:

Upon successful completion of this course, students will be able to:

- Use working vocabulary of appropriate terminology in the study of the nervous system, the special senses, the endocrine system, the cardiovascular system, the lymphatic system, the respiratory system, the digestive system and the urinary system.
- Identify structures of nervous system, the special senses, the endocrine system, the cardiovascular system, the lymphatic system, the respiratory system, the digestive system and the urinary system.
- Differentiate among the various histological body tissue samples.
- Explain the function of the organs within a particular system and their importance to that system's function and to maintaining homeostasis.
- Correlate structure and function relationships within a particular system.
- Integrate knowledge of anatomical and physiological aspects of the entire body.
- Utilize concepts of the scientific method investigating laboratory/clinical data.

Topical Outline:

- Nervous tissue
- The spinal cord and spinal nerves
- The brain and cranial nerves
- The special senses
- The endocrine system
- The cardiovascular system: the blood
- The cardiovascular system: the heart
- The cardiovascular system: blood vessels and hemodynamics
- The lymphatic system and immunity
- The respiratory system
- The digestive system
- The urinary system

Text:

Principles of Anatomy and Physiology. 14th edition. Tora, G. and Derrickson, B. Wiley.
Lab Manual for Anatomy and Physiology. Custom 5th ed. Allen, Wiley

Academic Integrity

Plagiarism is cheating. Plagiarism is presenting in written work, in public speaking, and in oral reports the ideas or exact words of someone else without proper documentation.

Whether the act of plagiarism is deliberate or accidental [ignorance of the proper rules for handling material is no excuse], plagiarism is, indeed, a “criminal” offense.

As such, a plagiarized paper or report automatically receives a grade of **ZERO** and the student may receive a grade of **F** for the semester at the discretion of the instructor.

Tutoring & Project Assist

If you are having difficulty with work in this class tutoring is available through the Center for Academic & Student Success. If you think that you might have a learning disability, contact Project Assist at 856.691.8600 x 1282 for information on assistance that can be provided to eligible students.

Before Withdrawing From This Course

If a student experiences adverse circumstances while enrolled in this course and considers withdrawing, s/he should see an advisor (division or advisement center) BEFORE withdrawing from the class. A withdrawal may cause harmful repercussions to completion rate standards and overall GPA which can limit or eliminate future financial aid in addition to causing academic suspension.