

Northwest Arkansas Community College
(Science and Mathematics Division)

Discipline Code

BIOL

Course Number

1013

Course Title

Introduction to Anatomy and Physiology

Catalog Description

This course introduces the student to the structure and function of the human body in a systemic approach. The emphasis of this course is on the interrelationships between the body systems and how the body functions as a living unit. Topics will include basics of cellular structure and function, medical terminology, tissues, and will conclude with the body systems. Credit for this course cannot be used for the AAS degrees in the Health Sciences but may be used as science non-lab credit hours for AA and AS degree plans. Successful completion of this course will be counted as a prerequisite for BIOL 2214 and MBIOL 2014.

Prerequisites

None

Credit Hours

3 credit hours

Contact hours

45 lecture contact hours

Load hours

3 load hours

Semesters Offered

Fall, Spring & Summer

ACTS Equivalent

None

Grade Mode

A-F

Learning Outcomes

Students completing this course will:

- Recall and apply facts, vocabulary, and relationships related to the eleven human body systems.

- Use scientific reasoning to comprehend, evaluate, and solve problems pertaining to course content.
- Define homeostasis and the interrelationships of the body systems.

General Education Outcomes Supported

- Students develop higher order thinking skills.

Standard Practices

Topics list

- Medical terminology
- Cellular and Chemical structure
- Tissues
- Integumentary System
- Skeletal System
- Muscular System
- Neurological System
- Endocrine System
- Cardiovascular System
- Lymphatic System & Immunity
- Respiratory System
- Digestive System, Nutrition, and Metabolism
- Urinary System & Fluid, Electrolyte, Acid/Base Balance
- Reproductive System

Learning activities

Assessments

Grading guidelines

- At least 50% of the class points need to be proctored either in person or using a video-monitoring system, where the student responds without referring to others or external resources.

Revision date

- March 31, 2021