

Northwest Arkansas Community College
(Science and Mathematics Division)

Discipline Code

BIOL

Course Number

1014

Course Title

General Biology II

Catalog Description

An introductory course that examines the common characteristics of life, such as movement, energy usage, reproduction and responsiveness through study of the diversity of life. The general structural organization and basic physiology of the phyla of the five kingdoms will be considered along with elements of their interdependence (ecology) and change through time (evolution). Three hours lecture and 3 hours laboratory weekly.

Prerequisites

BIOL 1544 Principles of Biology I (or its equivalent) with a grade of C or better.

Credit Hours

4 credit hours

Contact hours

45 lecture contact hours; 45 lab contact hours

Load hours

5 load hours

Semesters Offered

Spring

ACTS Equivalent

None

Grade Mode

A-F

Learning Outcomes

Students completing this course will:

- Apply the scientific method by gathering and analyzing data, drawing conclusions and presenting findings in a written form.
- Demonstrate college-level knowledge of the study of origin and evolution, systematic classification, and the three domains.

- Identify the affect that the organisms studied have on man and the environment.

General Education Outcomes Supported

- Students develop higher order thinking skills.

Standard Practices

Topics list

- Evolution
- Population/ Community Ecology
- Prokaryotes and Protists
- Plant Diversity
- Plant Form and Function
- Invertebrate Diversity
- Vertebrate Diversity
- Animal Form and Function

Learning activities

- Courses must, at a minimum, cover the core learning outcomes for each topic.
- Lab safety orientation and enforcement of safety protocols is the responsibility of each faculty. Scoring 100% on a mandatory department-provided lab safety quiz is required before students may participate in lab.

Assessments

- Lab practical exams are a required part of grading.

Grading guidelines

- At least 50% of the grade should come from proctored work
- Lab activities/exams should comprise approximately 25% of the overall grade.

Revision Date

May 3, 2021