

BIOL 1002: General Biology II (CBIO 1023)

BIOL 1002 Companion Course- Choice Model

Course Description:

BIOL 1002 provides a taxonomic survey of living organisms and viruses, a study of structure and function of organs and systems with emphasis on advanced plants and vertebrates, and basic ecological principles. Students cannot use both this course and BIOL 1202 to meet a degree's requirements.

The Companion Course is designed to support students as they progress through the BIOL 1002 course. The Choice Model gives students the freedom to choose whether they would like their final grade reported on their college transcript at the conclusion of the course.

Credit Graduating Institution:

Louisiana State University-Alexandria (LSUA)

Student Demographic:

10th-12th High School Students

Prerequisites:

Successful completion of BIOL 1001

Unit/Topics:

1. Origin of Life
2. Prokaryotes, Viruses, and Protists
3. Fungi
4. Plants
5. Plant Tissues and Organs
6. Plant Physiology
7. Animals: The Invertebrates
8. Animals: The Vertebrates
9. Ecology: Populations, Communities, and Ecosystems

Learning Outcomes:

To have a functional understanding of the major concepts, and to be able to discuss, explain, and answer questions concerning the following:

1. Understand the taxonomy, evolutionary relationships, and importance of viruses, bacteria, protists, fungi, plants, and animals.
2. Understand the structure and functions of organs and systems in plants, with emphasis on flowering plants.

3. Understand the structure and functions of organs and systems in animals, with emphasis on vertebrates.
4. Understand general ecological principles at the population, community, and ecosystem level.