

Louisiana Delta Community College

Academic Affairs Master Syllabus

Course Name: General Biology I

Course Number: BIOL 101

Lecture hours: 3

Lab Hours: 0

Credit Hours: 3

Textbook, Author, and Publisher: To be provided by College Campus

Instructor Information: To be provided by College Campus

Class Location: To be provided by College Campus

Course Description: This course is designed as a survey of biological concepts for non-science majors. Topics include defining life, scientific method, biological molecules, structure and function of the cell, cellular energy, DNA and genetics, and evolution.

Prerequisites: Eligibility in ENGL 101

Co-requisites: None

Learning Outcomes:

On completion of this course, the student will be able to:

1. List and explain characteristics of life.
2. Understand the scientific method and its use.
3. Understand atoms, bonding behavior, and molecules necessary for life.
4. Differentiate between eukaryotic and prokaryotic cells, their parts and functions.
5. Describe chemical reactions and energy in cells.
6. Understand the purpose and function of photosynthesis.
7. Describe Glycolysis, aerobic respiration, and fermentation and understand how they produce energy in cells.
8. Describe the structure of DNA, genes, DNA expression and understand how mutations affect DNA expression.
9. Differentiate between prokaryotic and eukaryotic DNA replication and cell division.
10. Understand sexual reproduction and meiosis.
11. Understand genetics and inheritance.
12. Understand evolution, how it occurs, and the evidence that supports it.

13. Understand evolution, how it occurs, and the evidence that supports it.
14. Describe speciation and extinction and their influences.
15. Describe evolution and diversity of microorganisms and plants.

Assessment Measures: To be provided by College Campus

Library Resource Center:

The Delta Library and Learning Resource Center is committed to providing quality information and learning resources and services, including technology, in supporting the overall mission of Louisiana Delta Community College and its commitment to lifelong learning.

Special Accommodations:

Louisiana Delta Community College complies with Section 504 of the Rehabilitation Act, as well as the Americans with Disabilities Act. Students with disabilities who attend the Monroe campus may make a request by contacting the Director of Counseling and Disability Services (See College Directory for contact information.) at the beginning of each semester. Reasonable accommodations will be attempted for students with documented disabilities. If an impairment is identified later in the semester, a non-retroactive accommodation plan will be developed. Students at satellite campuses should contact the Coordinator of Student Affairs at their particular campus.

Title IX:

Louisiana Delta Community College is committed to protecting the rights of students, which includes compliance with Title IX requirements. As such, the institution and members of our community will not tolerate the offenses of dating violence, domestic violence, sexual assault, and stalking. Students with Title IX concerns should contact the College's Title IX Coordinator (See College Directory for contact information.) Students are required to complete Sexual Assault Awareness and Prevention Online Training. Access to this online course will be sent out through the Delta email account.

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