

**Bossier Parish Community College**  
**Master Syllabus**

**Course Prefix and Number:** BLGY 101L

**Credit Hours:** 1

**Course Title:** General Biology I Lab

**Course Prerequisites/Corequisite:** BLGY 101

**Textbooks:** Mader, S.; Laboratory Manual: Biology, 13th edition

**Course Description:** Laboratory designed to supplement General Biology I for science majors. Withdrawal from lecture mandates withdrawal from laboratory. The Louisiana Statewide Common Course Catalog name and number for this course are CBIO 1031: General Biology I Lab (Science Majors).

**Learning Outcomes:**

At the end of this course students will:

- A. demonstrate competency in the use of basic biological laboratory equipment; and
- B. integrate data collected in the lab to interpret and support basic biological principles.

To achieve the learning outcomes, the student will:

1. practice safety and standard precautions in the laboratory. (A)
2. identify the parts of compound light and dissection microscopes and give the function of each part. (A)
3. utilize the compound light and dissection microscopes to study specimens in the laboratory. (A)
4. display and analyze data using appropriate scientific and mathematical tools. (A)
5. apply the scientific method to collect data and solve problems in a laboratory setting. (A, B)
6. utilize various metric measuring devices to accurately collect data. (A)
7. outline the steps of the scientific method. (B)
8. explain the relationship between a hypothesis, a theory, and a law. (B)
9. solve genetics problems using Punnett squares. (monohybrid and dihybrid). (B)
10. explain the use of a testcross to determine the genotype of an individual. (B)
11. describe the normal chromosomes makeup of human males and females. (B)
12. solve problems involving various inheritance patterns. (B)
13. explain the 4 areas of support for the theory of evolution. (B)
14. complete lab report questions for the chemical composition lab that requires the student to think critically. (B)

**Course Requirements:** To earn a grade of “C” or higher the student must earn 70% of the total points for the course and meet all of the following course requirements.

- minimum average of 50% on lab practical exams

**Course Grading Scale:**

- A- 90% or more of the total points possible for the semester; and meet all minimum course requirements
- B- 80% or more of the total points possible for the semester; and meet all minimum course requirements
- C- 70% or more of the total points possible for the semester; and meet all minimum course requirements
- D- 60% or more of the total points possible for the semester; and meet all minimum course requirements.
- F- less than 60% of the total points possible for the semester; and/or failure to meet one or more of the minimum course requirements

**Attendance Policy:** The college attendance policy is available at <http://www.bpcc.edu/catalog/current/academicpolicies.html>

**Course Fees:** This course is accompanied with an additional non-refundable fee for supplemental materials, laboratory supplies, certification exams and/or clinical fees.

**Nondiscrimination Statement**

Bossier Parish Community College does not discriminate on the basis of race, color, national origin, gender, age, religion, qualified disability, marital status, veteran's status, or sexual orientation in admission to its programs, services, or activities, in access to them, in treatment of individuals, or in any aspect of its operations. Bossier Parish Community College does not discriminate in its hiring or employment practices.

COORDINATOR FOR SECTION 504 AND ADA

Angie Cao, Student and Disability Services Specialist

Disability Services, F254, 6220 East Texas Street, Bossier City, LA 71111

318-678-6511

[acao@bpcc.edu](mailto:acao@bpcc.edu)

Hours: 8:00 a.m.-4:30 p.m. Monday - Friday, excluding holidays and weekends.

Equity/Compliance Coordinator  
Teri Bashara, Director of Human Resources  
Human Resources Office, A-105  
6220 East Texas Street  
Bossier City, LA 71111  
Phone: 318-678-6056  
Hours: 8:00 a.m.-4:30 p.m. Monday - Friday, excluding holidays and weekends.

Reviewed by T. Bryan/ March 2019