# 8/11/2020

# brcc keystone logo

Baton Rouge Community College

*Academic Affairs Master Syllabus*

Date Approved: 11 September 2020

Term and Year of Implementation: Fall 2020

**Course Title:** Biology II Lab for Science Majors

**BRCC Course Rubric:** BIOL 1041

**Previous Course Rubric**: BIOL 121L

**Lecture Hours per week-Lab Hours per week-Credit Hours**: 0-3-1

**Per semester: Lecture Hours-Lab Hours-Instructional Contact Hours**: 0-45-45

**Louisiana Common Course Number:** CBIO 1041

**CIP Code:** 26.0101

**Course Description:** Provides a laboratory component that supplements BIOL 1043 (BIOL 121) content. Intended for students pursuing careers in science, engineering and many health professions. This course requires a lab fee. Note that credit is not awarded for both BIOL 1041 (BIOL 121L) and BIOL 1021 (BIOL 102L).

**Prerequisites:**  BIOL 1033 (or BIOL 120) with a grade of ‘C’ or better

**Co-requisites:** None

**Suggested Enrollment Cap:** 24

**Learning Outcomes.** *Upon successful completion of this course, the students will be able to:*

1. Demonstrate knowledge of laboratory methods and practices of general biology in the areas of biological diversity, ecology, and the physiology of organisms.

2. Use the scientific method to conduct and interpret laboratory experiments and write laboratory reports.

3. Interpret biological images, scientific graphs and models to illustrate general biology concepts.

**Assessment Measures.** Assessment of all learning outcomes will be measured using the following methods:

1. Administration of unit exams during the semester and a comprehensive final exam at the end of the semester.

2. Instructor-designed assignments including, but not limited to, written and oral assignments, lab reports, projects, homework, and quizzes. All assignments will be graded using an instructor-designed rubric.

**Information to be included on the Instructor’s Course Syllabi:**

* ***Disability Statement*:** Baton Rouge Community College seeks to meet the needs of its students in many ways. See the Office of Disability Services to receive suggestions for disability statements that should be included in each syllabus.
* ***Grading:*** The College grading policy should be included in the course syllabus. Any special practices should also go here. This should include the instructor’s and/or the department’s policy for make-up work. For example in a speech course, “Speeches not given on due date will receive no grade higher than a sixty” or “Make-up work will not be accepted after the last day of class”.
* ***Attendance Policy*:** Include the overall attendance policy of the college. Instructors may want to add additional information in individual syllabi to meet the needs of their courses.
* ***General Policies*:** Instructors’ policy on the use of things such as beepers and cell phones and/or hand held programmable calculators should be covered in this section.
* ***Cheating and Plagiarism*:** This must be included in all syllabi and should include the penalties for incidents in a given class. Students should have a clear idea of what constitutes cheating in a given course.
* ***Safety Concerns:*** In some courses, this may be a major issue. For example, “No student will be allowed in the lab without safety glasses”. General statements such as, “Items that may be harmful to one’s self or others should not be brought to class”.
* ***Library/ Learning Resources:*** Since the development of the total person is part of our mission, assignments in the library and/or the Learning Resources Center should be included to assist students in enhancing skills and in using resources. Students should be encouraged to use the library for reading enjoyment as part of lifelong learning.

**Expanded Course Outline:**

I. Lab Practices

A. Safety

B. Use of Microscope

II. Diversity of Life

A. Bacteria and Protists

B. Fungi

D. Seedless and Seed Plants

E. Invertebrate and Vertebrates

III. Plant Structure and Function

A. Organization of Flowering Plants

B. Nutrition and Transport

C. Growth and Response

D. Reproduction

IV. Animal Structure and Function

A. Organization and Homeostasis

B. Basic Mammalian Anatomy I

C. Basic Mammalian Anatomy II

D. Development

V. Ecology

A. Symbiotic Relationships

B. Ecosystems and Human Interference