

BIOL 1107L: Principles of Biology Laboratory I (0-3-1)
Valdosta State University, Biology Department, College of Science & Math
Spring 2024: Laboratory Syllabus

Instructor: Dr. John G. Phillips (he/him)
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Office (Student) hours: **Wednesdays 1:00 PM 2:00 PM Thursdays 10:00 AM 2:00 PM**
Or by appointment (please send an email to my valdosta.edu account with

Laboratory Sections: **D (CRN # 24671): Wednesdays** 10:00am 12:50pm **BC 1083**
F (CRN # 25091): Wednesdays 2:00pm 4:50pm **BC 1083**

Pre- or Corequisite: BIOL 1107: Unifying Principles of Biology I.

***A grade of C or higher is required in both lecture and lab!**

****Lecture and Lab are separate. Success or failure in one does not guarantee the same result in the other**

Course Description: A laboratory course to accompany BIOL 1107 lecture, with exercises dealing with the cellular nature of life.

This is a Core IMPACTS course that is part of the Technology, Mathematics & Sciences area.-13(e2 re u*)7(t)7

Core IMPACTS refers to the core curriculum, which provides students with essential knowledge in and career goals.

This course should direct students toward a broad Orienting Question:

- ◁ How do I ask scientific questions or use data, mathematics, or technology to understand the universe?

Completion of this course should enable students to meet the following Learning Outcome:

- ◁ Students will use the scientific method and laboratory procedures or mathematical and computational methods to analyze data, solve problems, and explain natural phenomena.

Course content, activities and exercises in this course should help students develop the following Career-Ready Competencies:

Required Laboratory Manual: R. H. Goddard. *Methods and Investigations in Basic Biology* (Custom VSU manual). 7th Edition. ISBN: 978-1-5339-4342-2 (but if you find a copy of the 6th edition, you should be fine).

Required Laboratory Notebook & Brief Instructions:

guidelines in the above lab manual (see introduction for details). Each lab entry in the dedicated notebook must provide a title, introduction, materials and methods, results in the form of collected data (i.e., Tables) or drawings and graphs (i.e., Figures). This is followed by a summary of what principles or hypotheses were learned through experimentation in the conclusion of each laboratory entry. More instructions will be provided by your instructor, but this notebook must always be present with you during lab sessions for data collection and surprise inspections by your instructor.

Laboratory Assignments and Grading: Students will be graded on their performance in the laboratory based on participation, quizzes, lab reports, and other assignments as specified by your instructor. **UNLESS**

LABORATORY SCHEDULE (subject to change

Week	Date	Topic
1	Jan. 10	Syllabus and Course Introduction

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