

BIOL 1107L: Principles of Biology Laboratory I (0-3-1)
Valdosta State University, Biology Department, College of Science & Math
Spring 2022: Laboratory Syllabus

Instructor: Dr. Brian C. Ring, Professor of Biology

Office Hours (BC 2084): M & W 1:00-3:00 p.m. **Phone:** 249-4841, Email: bcring@valdosta.edu

Laboratory Sections: A (CRN # 24667): M / 10:00 a.m. -- 12:50 p.m. – BC 1083

B (CRN # 24669): T / 9:30 a.m. -- 12:20 p.m. – BC 1083

Pre- or Corequisite: BIOL 1107 Unifying Principles of Biology I. Note a grade of C or higher is required in both these lectures and labs.

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

Required Laboratory Manual: R. H. Goddard. *Methods and Investigations in Basic Biology* (Custom VSU manual). 6th Edition.

Required Laboratory Notebook & Brief Instructions: A dedicated 3-Ring or spiral or bound notebook must be maintained for deposition of each laboratory exercise following the guidelines in the above lab manual (see introduction for details). Students must include a table of contents with numbered pages for each lab exercise. In addition, 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 note this notebook must always be present with you during lab sessions for data collection and inspection by your instructor.

Course Objectives: Upon completion of this course the student should be able to:

1) Exhibit a broad perspective on the principles unifying various biological disciplines from evolution to molecular biology

Academic Integrity: By taking this course, you agree that all required course work may be subject to submission for textual similarity review to Turnitin, a tool within BlazeVIEW.

Mid-term, or in-progress grades: The instructor is required to submit in-progress grades prior to mid-term (**3/3/2022**). In theory, a mid-term grade is necessary for a student to assess how s/he is doing in class by midterm. In this course, students will have feedback on several lab quizzes, lab assignments, and any homework or group assignments. I will, in general, assign an overall average grade at this point on the normal scale of A-F viewable on Banner. Students receiving a grade of "D" or lower should therefore carefully evaluate their option of dropping this course by midterm without academic penalty. The deadline for withdrawal is listed in Banner about a week later.

TENTATIVE LABORATORY EXERCISES:

Lab	Week of:	Topic:
1	Jan.10	Introduction to the Lab, Safety, and Laboratory Notebooks
--	Jan.17	MLK week- NO F2F LABS Exercise 1: Scientific 84 0000910 0 1 261.77 554.27 554.2

Attendance & Sars-Cov2 (and its derivatives causing Covid19) Reporting: Blazers protect Blazers.