

BIOL 1107L: Principles of Biology Lab 1

PRINCIPLES OF BIOLOGY LAB 1, FALL 2020

Dr. Cristina Calestani

Lab Section: F (Tuesday 9:30 AM-12:20 PM)

Room: BC 1083

College of Science & Mathematics

Valdosta State University

Department of Biology

1500 N. Patterson St.

Valdosta, GA 31698

Phone Number: (229) 333-7175

E-mail address: ccalestani@valdosta.edu

Office hours:

Tuesday-Thursday, , 2:30 PM - 4:30 PM or by appointment (please send me an email)

During office hours, you can find me in BSC 2085. You can also reach me during office hours at the above phone number.

NOTICE: Please use the internal course e-mail for general correspondence. I provide my external e-mail address for emergencies only. I cannot answer questions, accept assignments, or discuss grades via external e-mail so please use it for emergencies only.

Response Time: Unless you are notified otherwise, I will work to respond to all student questions and emails within 24 hours during the week and within 48 hours during the weekend.

Semester Dates

First Class Day	Monday, August 17, 2020
Labor Day Holiday	Monday, September 7, 2020
Midterm	Thursday, October 8, 2020
Last day to withdraw	Thursday, October 15, 2020
Saturday Make-Up Day 1	October 24, 2020

(Monday, Wednesday, or Friday classes)	
Saturday Make-Up Day 2 (Tuesday or Thursday Classes)	November 7, 2020
Last On-Campus Class Day	Tuesday, November 24, 2020
Thanksgiving Break	Wednesday, November 25-Friday, November 27, 2020
Final Exam/Project Preparation and Virtual Review	Monday, November 30-Monday, December 7, 2020
Final Exams	Tuesday, December 8-Friday, December 11, 2020
Fall Commencement	Saturday, December 12, 2020
Final Grades Due	Monday, December 14, 2020

Course Description

Description of the course

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

Course objectives

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

- Exhibit a broad perspective on the principles unifying various biological disciplines from evolution to molecular biology (DBEO 2 & 5);
- Understand basic biological chemistry from elements to organic compounds to macromolecules;
- Comprehend basic principles of biology at the cellular level to include structure, function, metabolism, communication, reproduction, molecular biology, and gene expression (DBEO 3 & 4);
- Perform, analyze, interpret, and report laboratory experiments (DBEO 1);
- Develop and test a hypothesis using experimental microscopy and quantitative skills acquired in the laboratory (DBEO 1 & 5).

These objectives support the Department of Biology Educational Outcomes # 1-5 listed above (DBEO 1-5) and the University General Educational Outcomes # 5 as listed in the VSU Undergraduate Catalogue

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 Texts & Materials

Required Laboratory Manual:

- R. H. Goddard. *Methods and Investigations in Basic Biology* (Custom VSU manual). 6th Edition.
- A dedicated lab notebook for recording results in lab

Unit Breakdown

The following modules are covered in this course:

- Module 1: Scientific Method, Microscopy, & Independent Research Project
- Module 2: Cell Biology
- Module 3: Enzymology
- Module 4: Molecular Biology

Assessments

Lab quizzes. There will be a quiz every week (except for the first day of class). The quizzes will be based on material from the previous labs. Quizzes are open notebook and manual, but you need to have completed the lab exercises to be able to answer the quiz. It will include questions on Introduction, Material and Methods, Results and Conclusions.

Lab Assignments. There will be two assignments in the format of laboratory report.

Assignment 1: Independent Microscopy Project

Assignment 2: Analysis of alpha amylase enzymatic activity

Specific information for each assignment will be provided by the Instructor.

Attendance

Laboratory attendance is mandatory for all labs. Students who will not complete three or more labs, with or without a documented excuse, will not receive a grade higher than a D (60%) for the course.

Behavior in the Classroom

- You are a guest in the instructor's classroom, so be sure to observe the class rules.
- Practice manners and civility, and be polite and respectful of your instructor and

classmates in all your communication.

- Respect your instructor, and be on time in your work submissions.
- Keep your instructor informed of your status.
- Address your instructor as Professor or Doctor.
- Any student who consistently distracts other students or the instructor will be removed from the course.
- The use of cell phones is not allowed during the laboratory sessions unless approved by the instructor for purposes related to the laboratory activities (e.g. as a timer or a calculator).

Cheating or Plagiarism

Incidents of cheating or plagiarism will result in **an automatic F for the course and referral to The Office**

of Student Conduct for disciplinary action. For VSU's Academic Integrity Code please see <http://www.valdosta.edu/administration/student-affairs/student-conduct-office/>

For VSU's Academic Honesty policies and procedure please see

<http://www.valdosta.edu/academics/academic-affairs/vp-office/academic-honesty-policies-and-procedures.php>

Privacy Act (FERPA): The Family Educational Rights and Privacy Act (FERPA) prohibits the public posting of grades by social security number or in any manner personally identifiable to the individual student. No grades can be given over the telephone or over email because positive identification can't be made.

Learning Support

The Academic Support Center: The Academic Support Center provides free peer tutoring for most core courses and some upper-division courses. It also offers time management and study skills workshops as well as other learning support services.

Call 333-7570 to make an appointment, or visit the website: <https://www.valdosta.edu/asc/>

Odum Library provides a variety of services to assist classroom instruction, including library instruction, course reserves, and interlibrary loan. Please see <https://www.valdosta.edu/academics/library/> for further information.

Access Statement: Students with disabilities who are experiencing barriers in this course may contact the Access Office for assistance in determining and implementing reasonable accommodations. The Access Office is located in Farbar Hall. The phone numbers are 229-245-2498 (V), 229-375-5871 (VP) and 229-219-1348 (TTY). For more information, please visit VSU's Access Office or email: access@valdosta.edu.

Title IX Statement: Valdosta State University (VSU) is committed to creating a diverse and inclusive work and learning environment free from discrimination and harassment. VSU is dedicated to creating an environment where all campus community members feel valued, respected, and included. Valdosta State University prohibits discrimination on the basis of race, color, ethnicity, national origin, sex (including pregnancy status, sexual harassment and sexual violence), sexual orientation, gender identity, religion, age, national origin, disability, genetic

information, or veteran status, in the University's programs and activities as required by applicable laws and regulations such as Title IX. The individual designated with responsibility for coordination of compliance efforts and receipt of inquiries concerning nondiscrimination policies is the University's Title IX Coordinator: Maggie Viverette, Director of the Office of Social Equity, titleix@valosta.edu, 1208 N. Patterson St., Valdosta State University, Valdosta, Georgia 31608, 229-333-5463.

Late Policy

There are no make-ups for laboratories.

Make-up assignments and quizzes will be administered at any time during the semester but you must provide documented evidence (e.g. note from a doctor) that circumstances beyond your control prevented you from completing the work by the due date. If technological reasons will prevent you from completing the assignments, please communicate promptly with the Instructor. It is the Instructor's prerogative to accept the excuse or not. If absence/miss assignment is not excused it will result in the penalty listed below.

Late Assignment penalty: 5 points deduction per day after due date.

Late Quiz penalty: 2 points deduction per day after due date

Grading and Standards

Grade Breakdown

GRADED ACTIVITY	POINTS	DUE DATE(S)
Quizzes (12)	10 each	see schedule
Assignments (2)	100 each	see schedule
Final Assessment	10 extra-credit	During Flex week after Thanksgiving break

Grade Scale

A: 90-100%
 B: 80-89%
 C: 70-79%
 D: 60-69%
 F: 0-59%

Coronavirus Resources for Students

A variety of resources are available to help students both academically and personally during the Fall 2020 semester.

One of the best resources is VSU's Coronavirus FAQ page located at <https://www.valdosta.edu/health->

[advisory/faq.php](#). Information is available there about a variety of topics in VSU's return-to-campus plan. A website devoted to the health and wellness of VSU students can be seen at <https://www.valdosta.edu/administration/finance-admin/campus-wellness/student-resources.php>.

You can find information, including how you can access the Brightspace Pulse app that will allow you to view BlazeVIEW on your smartphone at <https://www.d2l.com/products/pulse/>. In BlazeVIEW, all VSU students have a course with guides for how to use tools in BlazeVIEW; search for "VSU BlazeVIEW Student Tutorial 2020."

Face Coverings

As the Blazer Creed articulates, members of the VSU community are expected to live by the high standards of civility, integrity, and citizenship and embrace their responsibility as a member of the Blazer community. In recognition of this responsibility, and in response to the best available science and current guidance from the Centers for Disease Control and Prevention and the Georgia Department of Public Health, **every student must wear a face covering that covers their nose and mouth at all times while in any campus building, including in this classroom.** This requirement is intended to protect the health and safety of all VSU students, the instructor, and the entire university community. Anyone attending class without a face covering will be asked to put one on or leave. Students should also be sure they maintain a distance of at least six feet away from their fellow students and instructor and are seated in a seat that is designated to ensure that distance. Students who refuse to wear face coverings appropriately or adhere to other stated requirements may face disciplinary action for Code of Conduct violations.

Frequently Asked Questions and Helpful Links

I need:	LINK
ADA Accommodations	Access Office
Technical Support	IT Help Desk
Proctored Exam	https://www.valdosta.edu/student/disability/forms/student-exam-proctoring-request-form.php
To Report a Course Error	Email blazeview@valdosta.edu and describe the error.
To Make a Student Complaint	https://www.valdosta.edu/administration/social-equity/filing-complaint.php
To Make a Grade Appeal	https://www.valdosta.edu/academics/academic-affairs/grade-appeals.php
To Withdraw from a Course	https://www.valdosta.edu/colleges/business/student-advising-center/course-withdrawal.php

To Understand the VSU Academic Honesty Policy	https://www.valdosta.edu/academics/academic-affairs/academic-honesty-policies-and-procedures.php
To Know the Campus Carry/HB 280 Policy	https://www.usg.edu/hb280/additional_information