

Biology 1107L: Principles of Biology I Laboratory

Department of Biology, College of Science and Mathematics, Valdosta State University
Spring 2021 Laboratory Syllabus

Instructor: Mr. Joshua I. Brown

Section: I (CRN 24671) Wednesday 9:30 – 12:20

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Office hours: Tues/Thurs 1:00 – 2:30

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

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

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

Required Materials:

- R. H. Goddard. *Methods and Investigations in Basic Biology* (Custom VSU manual). 6th Edition.

Grading:

Quizzes/Performance checks: Before every lab there will be a pre-quiz you must take. Each will be worth 10 points. They will be based on introductory material you are required to read/watch before lab that week. This is to ensure you have a good understanding of what we are doing that week before we

start. During class, there will be “performance checks”, these will also be worth 10 points. These will be specific tasks that I will observe to see if done properly. They will vary from lab to lab.

Homework: Throughout the semester I will assign short homework assignments.

Attendance Policy: Laboratory attendance is mandatory. Students who miss four or more labs, with or without a documented excuse, cannot receive a lab grade above a 60% (D) for the course.

If students must be absent due to a quarantine or isolation requirement for COVID-19, they must report this situation via the COVID Self Reporting Link in MyVSU and through the Dean of Students Office. Report any other type of absence as well to the Dean of Student Office, which will send an absentee notice by email to all your Instructors.

Athletes and other University representatives: Please let me know in advance if you will be missing a lab due to an away game or other required event. You will need to make arrangements with me for you to attend an alternative lab section.

Lab Conduct:

- Please arrive on time.
- No eating or drinking in the lab is allowed.
- You must take care of lab equipment. Notify the instructor if something is not working properly or if something breaks during the course of the lab.
- You will be assigned a microscope. It is your responsibility to properly use the microscope. At the conclusion of the lab I will check each scope to make sure that it was put away properly. Please notify me if the microscope is not functioning properly.
- Cell phones are not to be used in lab. This means no texting during the lab unless I give permission for cell phones to be out.

There will be no make-up labs: All Biology 1107 Labs have a student limit so you will not be able to attend someone else’s lab if you miss mine.

NO CHEATING!

Face Covering:

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. In order to attend the face to face lab sessions **ALL STUDENTS MUST WEAR THE APPROPRIATE FACE COVERINGS AND FOLLOW PROPER SOCIAL DISTANCING GUIDELINES SET BY THE UNIVERISTY.** If a student does not have a face covering, one will be provided to them. If a student refuses to wear a face covering, they will be asked to leave the room immediately. Students who refuse to wear face coverings appropriately or adhere to other stated requirements may face disciplinary action for Code of Conduct violations.

Coronavirus Resources for Students:

VSU cares about student success both on and offline, and 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.d21.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."

Biology Tutoring: The Academic Support Center (ASC) at Valdosta State University is located on the second floor of the Odum Library. The ASC provides free peer tutoring in core curriculum courses, including biology. Call 333-7570 to make an appointment, or visit their website at <https://www.valdosta.edu/asc/>

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.

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.

Campus Gun Carry Statement (HB 280): If you choose to carry a concealed weapon on campus, you are responsible for knowing and following the law. Refer here for FAQ:
<https://www.valdosta.edu/administration/finance-admin/police/campuscarry/>