BIOL 1107L: Principles of Biology I Laboratory
Department of Biology, College of Science and Math
Valdosta State University
Fall 2022; Laboratory Syllabus

Instructor: Eric Chambers (Dr. Chambers) Office: BSC 2214 Phone: 229π249π2736

Lab: Bailey Science Center, Room 1083
Section A: (CRN#83331) M 9:00π11:50 AM
Section C: (CRN#83333) M 1:00 PMπ3:50 PM
Email: ewchambers@valdosta.edu

Office Hours: Tuesday and Thursday 1:00-2:15 PM

Course Description: 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:
1. Develop and test hypotheses, collect and analyze data, and present the results and conclusions in written formats used in peerπreviewed journals.
2. Understand basic biological chemistry from elements to organic compounds to macromolecules.
3. Demonstrate an understanding of the cellular basis of

lab. These quizzes and assignments will be administered through Blazeview. I will provide you with completion dates at a later time. A make-up assignment will be provided for those who have excused absences.

2. **Lab Reports (30%):** You will develop and complete an experiment and write a summary of the lab results in standard scientific format for two separate labs. Further information will be provided in the lab.

3. **Lab Notebook (10%):** A laboratory notebook is an important element for conducting scientific research. Each student will maintain a lab notebook for recording methods employed in the experiment as well as the experimental results. Students are **required** to have their notebook at every lab class.

4. **Group Participation (10%):** You will be graded on your attendance and ability to work with the members of your group. You must be present for the entire lab in order to receive full credit for group participation. You will receive a grade for each lab. Your lowest group participation grade will be dropped.

Attendance Policy: This course follows the university policy on class absences:

"Whether online or face-to-face, a student who misses or does not participate in more than 20% of the scheduled course or course activities could be subject to receiving a failing grade in the course" – 2019-2020 Undergraduate Catalog

Also, as stated in the Undergraduate Catalog, "the University does not issue an excuse to students for class absences. In case of absences as a result of illness or special situations, instructors may be informed of reasons for absences, but these are not excuses". I will consider all absences on a case-by case basis.

Students who miss 3 or more labs during the course of the semester could be subject to the stated policy. If you are absent from the lab or know you will be absent from the lab, please contact me within 24 hours with the reason. If I consider it an excused absence, I may be able to give you an opportunity to attend another lab session during that same week.

No labs can be made up once the week has ended.

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3. **No eating or drinking in the lab is allowed.**

4. You must take care of lab equipment. Notify the professor if something is not working properly or if something breaks during the course of the lab.

5. It is your responsibility to properly use the microscope assigned to your seat position. Please notify me if the microscope is not functioning properly.

6. Cell phones are not to be used in the lab. **This means no texting during the lab unless I give permission for cell phones to be out.**

7. A laboratory course is a collaborative effort. You will often work with your lab group or a lab partner. Please be prepared for the lab each week and be fully engaged in the lab experiments.

Academic Integrity: By taking this course, you agree that all required coursework 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 (October 6, 2022). 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 through Banner is Thursday, October 13, 2022.

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.

Accommodations Statement:
Students with disabilities who are experiencing barriers in this course may contact the Access Office (https://www.valdosta.edu/student/disability/) for assistance in determining and implementing reasonable accommodations. The Access Office is located in University Center Room 4136 Entrance 5. The phone numbers are 229-245-2498 (V), 229-375-5871. For more information, please visit VSU's Access Office or email: access@valdosta.edu. To request reasonable

Non-Discrimination and Title IX Statement

Valdosta State University (VSU) upholds all applicable laws and policies regarding discrimination on the basis of race, color, sex (including sexual harassment and pregnancy), sexual orientation, gender identity or expression, national

Valdosta State University General Educational Outcomes (GEO)

1. Students will demonstrate understanding of the society of the United States and its ideals.
2. Students will demonstrate cross□cultural perspectives and knowledge of other societies.
3. Students will use computers and information technology when appropriate.
4. Students will express themselves clearly, logically and precisely in writing and in speaking, and they will demonstrate competence in reading and listening.
5. Students will demonstrate knowledge of scientific and mathematical principles and proficiency in laboratory practices.
6. Students will demonstrate knowledge of diverse cultural heritages in the arts, the humanities, and the social sciences.
7. Students will demonstrate the ability to analyze, to e