

BIOL 1108L: Principles of Biology II Laboratory
Department of Biology
College of Science and Math
Valdosta State University
Spring 2023; Laboratory Syllabus

Laboratory: Bailey Science Center, room 1073 – Monday, 11:00AM – 1:50 PM

Section A: CRN# 24676 (1 credit hour)

Instructor: Instructor: Eric Chambers (Dr. Chambers) Office: BSC 2214 Phone: 229-249-2736

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Office hours: Bailey Science Center, Room 2214; Tues/Thurs 3:00-4:00 PM or by appointment.

e-mail: ewchambers@valdosta.edu

Course Description: A laboratory course to accompany BIOL 1108, with exercises dealing with anatomy and physiology of plants and animals.

Course Prerequisites: Grade of C or better in BIOL 1107 or permission of instructor

Course Overview: This lab is a companion to BIOL 1108. Lab exercises will provide you greater insight into the physiological processes of plants and animals. The lab will also introduce you to the diversity of life within the animal and plant Kingdoms as well as highlight evolutionary relationships among the phyla within these Kingdoms.

See [DQ11](#) on [DQ11](#) for more information on [DQ11](#)

I will provide you with a pdf for Lab #1 that includes background material as well as the homework assignment associated with this lab. This will allow you to complete the lab even if you are not able to purchase the lab manual before our first lab. If you have problems buying the manual because of slow financial aid please let me know. I will work with you until you are able to purchase the manual. If you are retaking the class do not buy another access code for the manual, simply email Great River Support and they will give you access. Let me know if you have issues.

Attendance: Lab will be held weekly on Monday at 11:00 am. Our lab is scheduled for 2 hours and 50 minutes each session. You are expected to attend **each** weekly lab session. 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.

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. We can make arrangements for you to attend an alternative lab section.

Lab quizzes, assignments, and practical exams:

Assignments will consist of weekly online assignments, periodic homework assignments, and two practical exams.

Pre-lab and Post lab assignments:

Each week there will be Pre-lab and Post-lab online assignments. Pre-lab online assignments must be completed by the start of the lab session. Pre-lab assignments will be worth 5 points (0 points if not completed and 5 points if completed).

Online post-lab assignments through the lab manual will be due at the start of your next lab period. The online post-lab assignments will be worth variable points. I will provide you with a schedule of due dates for pre-lab and post-lab assignments. No late assignments (unless I approve an exception). I am able to see when you complete the online assignments.

Homework assignments:

Some labs will require you to perform statistical analysis of dat

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:

TENTATIVE LAB SCHEDULE AND TOPICS SPRING 2023

Jan. 9	Review of syllabus (a lab lecture with an explanation of lab #1 will be recorded and posted to kaltura in Blazeview)
Jan. 16	No Lab-Martin Luther King Jr. Holiday
Jan. 20	Optional help session for Lab #1 in room 3018, BSC
Jan. 23	Lab 7 - Animal Diversity I
Jan. 30	Lab 8 - Animal Diversity II
Feb. 6	Lab 9 – Introduction to Animal Tissues
Feb. 13	Lab 10 – External and Internal Anatomy of the Fetal Pig
Feb. 20	Lab 11 – Sensory Systems
Feb. 27	Lab 12 – Cardiovascular System
Mar. 6	Lab Practical #1 Animal Diversity and Physiology
Week of Mar. 13-17	Spring Break
Mar. 20	Lab 2 – Non-vascular plants
Mar. 27	Lab 3 – Vascular Plants
Apr. 3	Lab 4 – Plant cells, organs, and growth
Apr. 10	Lab 5 - Angiosperm Development
Apr. 17	Lab 6 – Plant Growth
Apr. 24	Lab Practical #2 – Plant Diversity and Physiology