

BIOL 1108L-Principles of Biology II Laboratory, Sections B, E, F and G Spring 2023

Location: BC 1073 (except for first lab in BC 3018)

Section B Tuesday 9:30 AM- 12:20 PM

Section E, Wednesday 12:00 PM - 2:50 PM

Section F Thursday 9:30 AM- 12:20 PM

Section G, Friday 9:00 AM – 11:50 AM

Lab Instructor: Dr. Cristina Calestani

Office: BC 2085

Phone: (229) 333-7175

Email: ccalestani@valdosta.edu

Office hours:

Tuesday and Thursday 2:00 PM- 4:30 PM or by appointment. For an appointment, please send an email to my valdosta.edu account.

Required Textbook: Grove, T. 2015. Biology Lab Manual. ISBN: 9781680750218

This is an e-book only. You need to buy an Access card either at the VSU Bookstore or directly from the publisher at GreatRiverLearning.com.

Attendance Policy

- **Arrive on time.** Students arriving 15 minutes late will have points deducted from their assignments
- **Attendance is mandatory.**

Students who miss three or more labs cannot receive a lab grade above a “D” (60%). From the VSU Undergraduate Catalogue: **“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.**

Students should email the instructor within 24 hours of the missed lab. Students must provide documented evidence that circumstances beyond their control prevented them from coming to the lab (e.g., note from a doctor without personal information, except for your name). It is the instructor’s prerogative to accept the excuse or not.

Whenever possible, the student may arrange to attend another lab section during the same week, with permission from the instructor.

- **Exceptions to the Attendance Policy**

From the VSU Undergraduate Catalogue at

<http://catalog.valdosta.edu/undergraduate/academic-affairs/> :

“Students participating in authorized activities as an official representative of the University (i.e., athletic events, delegate to regional or national meetings or conferences, participation in university-sponsored performances) **are automatically excused by the university.** These students will not receive academic penalties and, in consultation with the instructor of record,

will be given reasonable opportunities to complete assignments and exams or given compensatory assignment(s) if needed.

Students with Military Obligations that require their absence from class may seek an exemption from the class attendance policy.

Religious Observances: The University permits students, faculty, and staff to observe those holidays set aside by their chosen religious faith... It is the student's responsibility to notify in advance the instructor. "

- Laboratories cannot be made up outside of the scheduled sessions. Students are still responsible to learn the lab content even if they received an excused absence.
- It is strongly advised to maintain a laboratory notebook with drawings, descriptions, data etc. because it will be essential to prepare for the practical exams.

Laboratory Conduct

- It is assumed that all students will act in a mature manner in the classroom, showing consideration for their peers and the instructor. Any student who consistently distracts other students or the instructor will be removed from the course.
- No eating or drinking during the lab.
- Students must take care of lab equipment. Notify the professor if something is not working properly or if something breaks during the lab.
- Each student will be assigned a microscope. It is the student's responsibility to properly use the microscope. Failure to do so will result in the subtraction of one point per incident from the student's total lab points (not the final percentage).
- Cell phones cannot be used in the laboratory, except for using them as timer when necessary.

Assessments

Assessments will consist of in-class activities, and three practical exams.

In-class activities

During each lab there will be graded activities that might involve the practical demonstration by the student of a laboratory skill (e.g., pig dissection), data analysis and presentation (statistical tests, graphs, drawings) and/or written questions (multiple choice, short answers, matching, true/false).

Practical exams

There will be three practical exams, two covering the animal section and one covering the plant section. The practical exams will be taken in lab during the scheduled time.

Questions may include microscope slides, whole specimens, or images on PowerPoint slides. Questions will be in the format of multiple choice, true/false, matching, or short answers.

Extra-credit points (up to 30 pts)

Extra-credit points can be earned taking the **pre- and post-lab quizzes embedded in the online laboratory manual**. These quizzes should be used as a **self-assessment tool**, on a weekly basis,

to better prepare for lab and the practical exams. You will have three attempts for each quiz and the highest grade will count toward the extra-credit point calculation. The grade for each quiz will be automatically uploaded in the gradebook within the online lab manual (not on Blazeview). The percentage of correct answers will be used to calculate the extra-credit points. For example, if you have 200/228 correct answers, that is equal to 0.8772; therefore $30 \text{ pts} \times 0.8772 = 26.32$ extra-credit points earned.

The quizzes will close the day before each Practical, at 11:59 PM.

Grading

In-class activities: 100 points
Practical exam 1: 100 points
Practical exam 2: 100 points
Practical exam 3: 100 points

Extra-credit pre- and post-lab quizzes: 30 points

Total Points for the course : 400

(Extra-credits are added to the assessment points earned, before dividing by 400).

Grade Scale

A = 90 - 100 %
B = 80 - 89 %
C = 70 - 79 %
D = 60 - 69 %
F < 60 %

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

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.

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.

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 Office of Student Affairs.

Laboratory Schedule: BIOL 1108L, Principles of Biology II-Spring Semester, 2023

Date:	Topic:	Notes
Jan 10-13	NO LAB	
Jan 17-20	Lab 1. Introduction to Basic Statistics	In room BC 3018
Jan 24-27	Lab 7. Diversity of Porifera, Cnidaria, Platyhelminthes, and Annelida	
Jan 31-Feb 3	Lab 8. Diversity of Mollusca, Nematoda, Arthropoda, Echinodermata, and Chordata	
Feb 7-10	Practical I- Animal Diversity (Lab 7-8) Lab 9. Introduction to Animal Tissues	Practical I quizzes close at 11:59 PM the day before Practical
Feb 14-17	Lab 10. External and Internal Anatomy of the Fetal Pig	
Feb 21-24	Lab 11. Sensory Systems	
Feb 28-March 3	Lab 12. Cardiovascular System	Practical II quizzes close at 11:59 PM the day before Practical
March 7-10	Practical II-Animal Tissues, Anatomy and Systems (Lab 9-12)	
March 14-17	SPRING BREAK-NO LAB	
March 21-24	Lab 2. Nonvascular, Seedless Plants: Mosses, Liverworts, and Hornworts	
March 28-31	Lab 3. Vascular Plants: Ferns, Gymnosperms and Angiosperms	
April 4-7	Lab 4. Plant Cells, Vegetative Organ Structures, and Patterns of Growth	
April 11-14	Lab 5. Angiosperm Development	
April 18-21	Lab 6. Growth and Transpiration	Practical III quizzes close at 11:59 PM the day before Practical
April 25-28	Lab Practical III-Plants (Lab 2-6)	