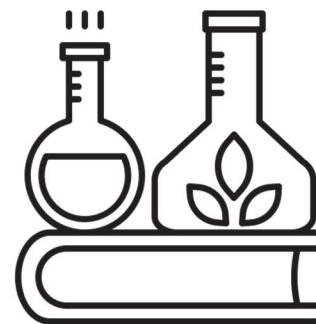


SUL ROSS STATE UNIVERSITY-ALPINE
GENERAL BIOLOGY 1 LAB (BIOL 1106) – SYLLABUS – FALL 2023

Meeting Times in WSB 206: L01 Thurs 1:00-2:40 PM L02 Thurs 7:00-9:00 PM
L03 Wed 4:00-5:40 PM L04 Wed 9:00-10:40 AM

Lab Instructor(s): Derek Dacus
email: dcd20hn@sulross.edu



Tentative Schedule:

Aug 30, 31	NO LABS
Sept 06, 07	Lab 1: Introduction, Metric System, Scientific Method
Sept 13, 14	Lab 2: Data Analysis, Presentation, & Analysis
Sept 20, 21	Lab 3: Microscopy & Cells
Sept 27, 28	Lab 4: Biological Molecules
Oct 04, 05	Lab 5: Diffusion & Osmosis
Oct 11, 12	Lab 6: Enzymatic Activity
Oct 18, 19	Lab 7: <i>Open Lab for Research Summary Questions</i>
Oct 25, 26	Lab 8: Photosynthesis & Respiration; Research Summary due
Nov 01, 02	Lab 9: Mitosis & Cytokinesis
Nov 08, 09	Lab 10: Nucleic Acids (DNA & RNA)
Nov 15, 16	Lab 11: Presentations (Last Lab Meeting)
Nov 22, 23	Thanksgiving Break (NO LABS)

Grading: The final grade is determined by the total points gained by the total points possible and the scale below. There will be no deviation from this scale: A: 90-100; B: 80-89; C: 70-79; D: 60-69; F; 59 and lower.

Pre-Labs/Quizzes (8 @ 2.5 points)	20
Group Assignments (4 @ 10)	40 (due at the end of each respective lab)
Individual Assignments (2 @ 20)	40
Group Presentation (1 @ 50)	50
Research Summary (1 @ 50)	50
Total	200

Attendance: Attendance is highly recommended to do well in this course. Labs cannot be repeated after the last section on Thursday. If it's necessary to attend another section, please contact your instructor before lab to ensure space is available.

Rules: NO CHILDREN; NO CHEATING (UNIVERSITY POLICY); NO FOOD OR BEVERAGES; NO TOBACCO; NO HEADPHONES; NO FEET ON THE FURNITURE; NO CELLPHONES; NO EXTRA TIME FOR PRE-LABS/QUIZZES IF YOU ARE LATE.

STUDENT LEARNING OUTCOMES:

1. The student will be able to demonstrate an understanding of basic biological concepts, including but not limited to evolution via natural selection, cell theory, and the role and function of DNA.
2. The student will be able to demonstrate the utilization of various field techniques toward addressing scientific questions in the specific discipline. These field techniques can include, but are not limited to, plant collection and processing, various animal collection techniques, ecological surveying and sampling, and biodiversity indexing.
3. The student will be able to use biological instrumentation to solve biological problems using standard observational strategies.
4. The student will develop writing skills by summarizing and critiquing recent relevant biological literature.

MARKETABLE SKILLS:

1. Students will be able to organize, analyze, and interpret data.
2. Students will be proficient at using presentation software.
3. Students will acquire experience in managing time and meeting deadlines.
4. Students will gain the ability to speak effectively and write concisely about scientific topics.
5. Students will acquire experience and guidance in the development of professional email correspondence.

SRSU Attendance Policy. Roll will be taken during each class meeting. The SRSU catalog states “The instructor may, at their discretion, drop a student from a course when the student has a total of nine absences in lecture and three absences in lab. An absence is defined as non-attendance in fifty minutes of class. Exams must be taken on the scheduled exam date that will be announced at least a week prior unless other arrangements have been made with the instructor. Exams must be made up within a week from the scheduled date. **RULE TO LIVE BY: DON’T MISS ANY CLASSES!** If you absolutely must miss, make sure you let me know before.

Academic Integrity. Students in this class are expected to demonstrate scholarly behavior and academic honesty in the use of intellectual property. A scholar is expected to be punctual, prepared, and focused; meaningful and pertinent participation is appreciated. Examples of academic dishonesty include but are not limited to: Turning in work as original that was used in whole or part for another course and/or professor; turning in another person’s work as one’s own; copying from professional works or internet sites without citation; collaborating on a course assignment, examination, or quiz when collaboration is forbidden.

SRSU Disability Services. SRSU Disability Services. Sul Ross State University (SRSU) is committed to equal access in compliance with Americans with Disabilities Act of 1973. It is SRSU policy to provide reasonable accommodations to students with documented disabilities. It is the student’s responsibility to initiate a request each semester for each class. Alpine students seeking accessibility/accommodations services must contact Mary Schwartz Grisham, M.Ed., LPC, SRSU’s Accessibility Services Coordinator at 432-837-8203 (please leave a message and we’ll get back to you as soon as we can during working hours), or email mschwartz@sulross.edu. Our office is located on the first floor of Ferguson Hall (Suite 112), and our mailing address is P.O. Box C-122, Sul Ross State University, Alpine, Texas, 79832.

Technical Support. SRSU 24/7 Blackboard Technical Support: Phone: 888.837.6055. Email: blackboardsupport@sulross.edu

SRSU Library Services. The Bryan Wildenthal Memorial Library in Alpine offers FREE resources and services to the entire SRSU community. Access and borrow books, articles, and more by visiting the library’s website, library.sulross.edu. Off-campus access requires your LoboID and password. Check out materials using your photo ID. Librarians are a tremendous resource for your coursework and can be reached in person, by email (srsulibrary@sulross.edu), or by phone (432-837-8123).

Classroom Climate of Respect. This class will foster free expression, critical investigation, and open discussion of ideas. This means that all of us must help create and sustain an atmosphere of tolerance, civility, and respect for the viewpoints of others. Similarly, we must all learn how to probe, oppose, and disagree without resorting to tactics of intimidation, harassment, or personal attack. No one is entitled to harass, belittle, or discriminate against another based on race, religion, ethnicity, age, gender, national origin, or sexual preference. Still, we will not be silenced by the difficulty of fruitfully discussing politically sensitive issues.

Diversity Statement. SRSU aims to create a learning environment for my students that supports a diversity of thoughts, perspectives, and experiences, and honors your identities (including race, gender, class, sexuality, religion, ability, socioeconomic class, age, nationality, etc.). We also understand that the crisis of COVID, economic disparity, health concerns, or even unexpected life events could impact the conditions necessary for you to succeed. Our commitment is to be there for you and help you meet the learning objectives of this course.