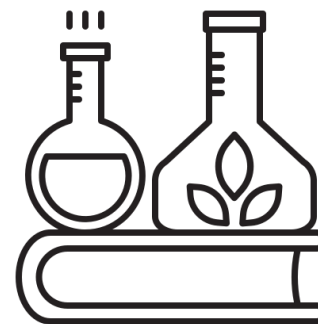


SUL ROSS STATE UNIVERSITY-ALPINE  
**GENERAL BIOLOGY 1 LAB (BIOL 1106) – SYLLABUS – FALL 2024**



**Meeting Times in WSB 206:** L01 Tues 1-2:50PM L02 Tues 3-4:50 PM  
 L03 Tues 7-8:50 PM

**Lab Instructors:** Jena Carey TBD  
**email:** [jcarey@sulross.edu](mailto:jcarey@sulross.edu) [TBD](#)

**LAB SCHEDULE**

	<b>DATE</b>	<b>TOPIC</b>
<i>Week 1</i>	Aug 26	No Lab
<i>Week 2</i>	Sept 2	Scientific Method
<i>Week 3</i>	Sept 9	Data Analysis, Presentation, and Writing
<i>Week 4</i>	Sept 16	Microscopy and Cells
<i>Week 5</i>	Sept 23	Macromolecules
<i>Week 6</i>	Sept 30*	Diffusion and Osmosis
<i>Week 7</i>	Oct 7*	Enzymes
<i>Week 8</i>	Oct 14	<b>Open Lab (Course Instructor will be present to help with writing questions)</b>
<i>Week 10</i>	Oct 21*	Cellular Respiration and Photosynthesis Part 1
<i>Week 10</i>	Oct 28	Cellular Respiration and Photosynthesis Part 2
<i>Week 11</i>	Nov 4	Nucleic Acids
<i>Week 12</i>	Nov 11	Presentation Workshop
<i>Week 13</i>	Nov 18	Group Presentations
<i>Week 13</i>	Nov 20	<b>Thanksgiving No More Labs</b>

**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:

Attendance	5%
Prelab Quizzes (8)	10%
Group Assignments (4)	20%
Individual Assignments (2)	20%
Group Presentation (1)	25%
Research Summary (1) (Individual)	20%

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

**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.

**PLEASE CLEAN UP YOUR LAB STATION AFTER EACH AND EVERY LAB!!!!!!**

**DEDUCTIONS WILL OCCUR IF YOUR LAB STATION IS LEFT MESSY OR UNCLEAN!**

## **COURSE OBJECTIVES, LEARNING OUTCOMES, MARKETABLE SKILLS, POLICIES, AND UNIVERSITY SERVICES**

**Course Objectives:** At the end of the semester, students will:

1. Display a basic knowledge of biology from the chemical makeup to how it replicates.
2. Know the basic building blocks of biology.
3. Know what constitutes a cell and the differences between different basic cell types.
4. Understand what a living thing is.
5. Understand the basic levels of photosynthesis and respiration in cells.
6. Demonstrate how function and structure are related in biology

**Student Learning Outcomes (SLOs) for Biology:**

1. Demonstrate an understanding of evolution by natural selection.
2. Demonstrate an integration of environmental awareness into everyday modern life.
3. Understanding how to incorporate molecular biology into the study of the whole organism.
4. Demonstrate utilization of various field techniques toward addressing scientific questions in the discipline.
5. Conduct basic laboratory experiments utilizing standard observational strategies.
6. Critical Thinking. Students will develop critical thinking skills to include creative thinking, innovation, inquiry, analysis, evaluation, and synthesis of information.
7. Students will develop communication skills to include effective development, interpretation, and expression of ideas through written, oral, and visual communication.

**Marketable Skills**

1. Ability to organize, analyze, and interpret data.
2. Proficiency in using presentation software.
3. Experience in managing time and meeting deadlines.
4. Ability to speak effectively and write concisely about scientific topics.
5. Experience in the development of professional email correspondence.

**Attendance:**

Mandatory. Roll will be by sign in sheet at front of the class. I am allowed to drop you from my class if you miss more than six times (that accounts for 3 full weeks of lecture). I generally do not drop you myself so don't expect that I will. I do not wish to hear excuses for missing class and do not want to hear about it every time you are gone. Absences are excused only if you have a documented, university-approved excuse (hospitalization, funeral, etc.) **DO NOT MISS EXAMS** unless you have a documented, university-approved excuse. If you do not inform me of your approved absence before the exam, it will be a ZERO.

**Late Work Policy:**

Late work is frowned upon for assignments to be turned in. All assignments will be due turned in to the appropriate assignment section (Blackboard or other online program) before class starts that day. That means if class starts at 11:00 AM the assignment is in Blackboard by 10:59.59 AM. After this time, you will lose 10% on the assignment. After 24–48 hours late it will be 20% off, and 48–72 hours late it will be 30% off. Beyond these times it will be a '0' on the assignment. These terms are meant to respect both timeliness and flexibility of deadlines and will be upheld.

**SRSU Library Services**

The Bryan Wildenthal Memorial Library and Archives of the Big Bend in Alpine offer FREE resources and services to the entire SRSU community. Access and borrow books, articles, and more by visiting the library's website, <https://library.sulross.edu/>. Off-campus access requires logging in with your LoboID and password. Librarians are a tremendous resource for your coursework and can be reached in person, by email ([srsulibrary@sulross.edu](mailto:srsulibrary@sulross.edu)), or by phone (432-837-8123).

No matter where you are based, public libraries and many academic and special libraries welcome the general public into

their spaces for study. SRSU TexShare Cardholders can access additional services and resources at various libraries across Texas. Learn more about the TexShare program by visiting [library.sulross.edu/find-and-borrow/texshare/](http://library.sulross.edu/find-and-borrow/texshare/) or ask a librarian by emailing [srsulibrary@sulross.edu](mailto:srsulibrary@sulross.edu).

Mike Fernandez, SRSU Librarian, is based in Eagle Pass (Building D-129) to offer specialized library services to students, faculty, and staff. Utilize free services such as InterLibrary Loan (ILL), ScanIt, and Direct Mail to get materials delivered to you at home or via email.

### **SRSU Disability Services:**

SRSU Accessibility Services. Sul Ross State University (SRSU) is committed to equal access in compliance with the 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. Students seeking accessibility/accommodations services must contact Mrs. Mary Schwartz Grisham, LPC, SRSU's Accessibility Services Director or Ronnie Harris, LPC, Counselor, at 432-837-8203 or email [mschwartz@sulross.edu](mailto:mschwartz@sulross.edu) or [ronnie.harris@sulross.edu](mailto:ronnie.harris@sulross.edu). RGC students can also contact Alejandra Valdez, at 830-758-5006 or email [alejandra.valdez@sulross.edu](mailto:alejandra.valdez@sulross.edu). Our office is located on the first floor of Ferguson Hall, room 112, and our mailing address is P.O. Box C122, Sul Ross State University, Alpine, Texas, 79832.

### **Academic Integrity:**

Students in this class are expected to demonstrate scholarly behavior and academic honesty in the use of intellectual property. Students should submit work that is their own and avoid the temptation to engage in behaviors that violate academic integrity, such as 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. Students should also avoid using open AI sources unless permission is expressly given for an assignment or course. Violations of academic integrity can result in failing assignments, failing a class, and/or more serious university consequences. These behaviors also erode the value of college degrees and higher education overall.

**I will reiterate here, I take academic dishonesty and plagiarism very seriously. Citations are your friend.**

### **Classroom Climate of Respect**

Importantly, this class will foster free expression, critical investigation, and the 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 on the basis of 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.

### **Supportive Statement**

I aim to create a learning environment for my students that supports various perspectives and experiences. I understand that the recent pandemic, economic disparity, and health concerns, or even unexpected life events may impact the conditions necessary for you to succeed. My commitment is to be there for you and help you meet the learning objectives of this course. I do this to demonstrate my commitment to you and to the mission of Sul Ross State University to create a supportive environment and care for the whole student as part of the Sul Ross Familia. If you feel like your performance in the class is being impacted by your experiences outside of class, please don't hesitate to come and talk with me. I want to be a resource for you.