

Biology for Majors I Laboratory

BIOL 1106-002

Sul Ross State University — Eagle Pass Campus

Fall 2026 | Tuesdays, 4:30 PM | CC Winn High School, Room 004 (Mrs. Delgado's Biology Lab)

In-Person Laboratory — Corequisite Lab for BIOL 1306 (Biology for Majors I)

Course Information

Course Description: This laboratory course is the corequisite companion to BIOL 1306 (Biology for Majors I). Laboratory activities reinforce the fundamental principles of living organisms, including physical and chemical properties of life, cell structure and function, energy acquisition and transfer, and reproduction, genetics, and molecular biology. Study and application of the scientific method, data collection and descriptive statistics, and laboratory instrumentation are included.

Credit Hours: 1

Course Modality: Traditional in-person

A standard SRSU laboratory course fee applies; see the Sul Ross Business Office fee schedule for current rates.

Meeting Times

Duration: 08/25/2026 – 12/09/2026 (Fall 2026)

Campus: Eagle Pass — off-site instructional location

Location: CC Winn High School, Room 004 (Mrs. Delgado's Biology Lab), Eagle Pass, TX

Time(s): T 4:30 PM - 6:00 PM

First meeting: Tuesday, August 25, 2026.

Learning Goals

At the end of the course, through a combination of data collection and analysis, laboratory assignments, and both written and visual assignments, you will be able to:

- Apply and reinforce introductory biological concepts presented in BIOL 1306 lecture in a real-world, data-driven context.
- Convey knowledge and understanding of basic biology using clear and effective written and visual communication.
- Work collaboratively in teams to collect, analyze, and interpret laboratory data.

Communicate with Me

Instructor Name: Dr. Ferhat Ozturk

Department: Biology

Office Location: Eagle Pass Campus, Building B, Room B-121

Student Hours: Wednesdays, 10:00 AM – 1:00 PM (or by appointment)

Email Address: Ferhat.Ozturk@SulRoss.edu

Preferred Method of Communication: Email — please include your lab section (BIOL 1106-002) in the subject line.

About Me & My Teaching Philosophy

I am Dr. Ozturk, Associate Professor of Biology and Founding Program Director of Biology at the Eagle Pass Campus. My academic background includes a Ph.D. in Cellular and Molecular Biology from the University of Nevada, Reno, and postdoctoral research at the University of Nebraska Medical Center. My research and teaching are rooted in the study of honey and its medicinal properties — its antimicrobial, antioxidant, and anti-inflammatory properties — and the

development of a collagen-honey wound gel. I believe education is a collaborative journey where curiosity, critical thinking, and hands-on discovery are central, and I look forward to seeing that curiosity come alive in the laboratory this semester.

Course Materials

Laboratory Manual: To be confirmed — Dr. Ozturk will post the required manual or lab-manual materials on Blackboard. Any additional laboratory written materials will also be posted on Blackboard.

Lecture textbook reference: OpenStax *Biology 2e* (the same free textbook used in BIOL 1306 lecture) — openstax.org/details/books/biology-2e. Relevant chapters to study are listed in the Course Schedule below.

You will need to bring a device such as a laptop to the lab each week to collect data and complete assignments — don't rely on a wireless connection in the lab. Lab safety goggles or glasses are optional for some experiments; a limited number are available to borrow. You will need a Sharpie labeling pen.

Additional Course Information

Attendance: Attendance is required. You must attend the lab section for which you are registered; you will not receive credit for activities performed in another section unless permission is granted by your lab instructor. There are no make-up labs, except in cases of a university-excused absence. If you have a university-excused absence, you must notify Dr. Ozturk BEFORE the missed lab or immediately on the day of the absence — the same standard used in your BIOL 1306 lecture course. You will not receive credit for a missed lab without this notification, and you remain responsible for the material for practical exams.

Laboratory Rules

- You may not enter the lab without proper attire: long pants, socks, and shoes that cover the entire foot. No open-toed, high-heeled shoes, or bare ankles are allowed. A student denied access to the lab for improper attire will receive a zero for the laboratory, unless they can quickly change and return to the lab.
- No eating or drinking in the lab is allowed, unless it is part of the lab activity.
- Cellular phones and all communication devices should be turned off. Do not send or receive calls and/or messages during lab; using your phone for anything other than lab-related activities may incur a penalty on the lab assignment.

Do not use materials from previous semesters or other lab sections. Do not use data from other lab sections or any information posted online about this course. Using previously published assignments or questions is not allowed, and you may not share information about quizzes with other students. If you use material that is not approved by your instructor or specifically available on the lab site, you may receive a zero for that assignment. Plagiarism will not be tolerated — plagiarism-detection software is used through Blackboard. Do not use sites such as Chegg or Course Hero, or other sites that may host previous course materials. See the Academic Integrity policy under Essential Student Information for the full standard, which is the same one that applies in your BIOL 1306 lecture course.

Assessments and Assignments

Laboratory Modules (Total 250 points)

There are 11 laboratory modules during the semester. Each module (except Lab 1) consists of a pre-lab quiz and a post-lab assignment. Your lowest pre-lab quiz score and your lowest post-lab assignment score are each dropped at the end of the semester — this is your only grace mechanism, so there are no other make-up quizzes or assignments, except in cases of a university-excused absence reported before the missed lab or immediately on the day of the absence.

Pre-Laboratory Quiz: To make efficient use of lab time, read the online material before class. You may attempt the pre-lab quiz twice; the highest score counts. The quiz deadline is 11:58:59 PM the Sunday night before your lab — the same weekly Sunday cadence used for TopHat Adaptive assignments in your BIOL 1306 lecture course. There is no pre-lab quiz for Lab 1.

Post-Laboratory Assignment: You must attend the laboratory to get credit for the post-laboratory assignment. Templates will be posted on Blackboard and must be uploaded by 11:58:59 PM the night before your next lab.

Post-laboratory assignments must be uploaded in Excel (.xlsx) format and include your name in the file name. You will receive a zero if an assignment is submitted in the wrong format. If you use a Mac, do not submit a “Pages” or “Numbers” formatted document for any lab submission — convert to Excel format first (Excel and other Microsoft Office applications are available to Sul Ross students; see Technology Requirements below).

Although you are encouraged to discuss the questions on the assignment with your lab partners and help each other generate graphs or calculations, you should complete the writing component independently. Do not submit a copy of your partner's or anyone else's assignment — plagiarism will be checked by automated software.

Practical Exams (Total 100 points)

There are 2 practical exams, given in person during the scheduled lab period, testing your knowledge and the laboratory skills you develop during the semester.

No excuses, no exceptions: No excused absences and no makeup practicals are offered for any reason. If you are not physically present for a practical exam, you will receive a 0 for that exam — the same standard used for Unit Exams in your BIOL 1306 lecture course.

Point Penalties: Submissions should be completed before the posted deadline. If you submit a pre-lab quiz or post-lab assignment late, there is a 10% per day late penalty.

Grading Appeals: All assignments will be graded within one week of submission. Check your Blackboard grade book regularly; if you do not have a grade one week after submission, contact Dr. Ozturk. Be sure to include your section number (BIOL 1106-002) on any communication. Your dispute must be submitted within one week of receiving your grade.

Activities and Grading

Activity	Quantity	Points	Total
Pre-Laboratory Quizzes	10	10 pts each	100
Post-Laboratory Assignments	10	15 pts each	150
Practical Exams (In-Person)	2	50 pts each	100
TOTAL			350 pts

Distribution of course assignments, their quantity, and contribution to the final grade.

Grade Distribution and Letter Grade

These percentage bands are the same ones used in your BIOL 1306 lecture course, scaled here to the lab's 350-point total.

Letter Grade	Points (of 350)	Percentage
A+	341.25 – 350	97.5 – 100%
A	332.5 – 341.24	95 – 97.5%
A-	315 – 332.49	90 – 95%
B+	306.25 – 314.99	87.5 – 90%
B	297.5 – 306.24	85 – 87.5%
B-	280 – 297.49	80 – 85%
C+	271.25 – 279.99	77.5 – 80%
C	262.5 – 271.24	75 – 77.5%
C-	245 – 262.49	70 – 75%
D+	236.25 – 244.99	67.5 – 70%
D	227.5 – 236.24	65 – 67.5%

Letter Grade	Points (of 350)	Percentage
D-	210 – 227.49	60 – 65%
F	< 210	< 60%

Please note: There are no extra-credit opportunities, and no late work is accepted beyond the point-penalty window above. Every point must be earned — be prepared for each lab and practical.

Course Guidelines for the Use of Generative Artificial Intelligence

The use of AI is not accepted for this laboratory course. This course is intended to let you build hands-on data-collection, analysis, and communication skills yourself — the skills a lab is meant to teach cannot be delegated to a tool. (Note: this is stricter than the BIOL 1306 lecture course's policy, which permits NotebookLM as a personal study aid; the lecture policy does not extend to lab submissions.)

Course Expectations & Policies

Missed Lab

A student will receive a zero on the post-lab assignment for a missed lab, unless the absence is a university-excused absence reported to Dr. Ozturk before the missed lab or immediately on the day of the absence. It is the student's responsibility to notify the instructor using the correct email address and to know who their lab instructor is.

Make-Up Lab Requirements: In-person make-up labs are only offered during the same week as the missed lab activity, and only with the instructor's prior permission. A student requesting a make-up lab must show proof of a completed pre-lab quiz before being allowed to start. Because your lowest pre-lab quiz and lowest post-lab assignment scores are already dropped as your built-in grace mechanism, make-ups are reserved for documented, university-excused absences arranged in advance — not for convenience.

Technology Requirements and Support

Basic computer skills are expected: email, uploading documents, completing quizzes through Blackboard, watching videos, and using Microsoft Office applications (Word, Excel). You will need a computer with a web camera for some activities; you may use your own device, or contact Sul Ross's Office of Information Technology (OIT) to inquire about borrowing one for the semester.

Sul Ross OIT / LTAC Help Desk: Phone 432-837-8888, email ltac@sulross.edu. Microsoft Office is available free of charge to Sul Ross students through your SRSU account — contact OIT/LTAC if you need help installing it, or with any Blackboard access issue.

Syllabus Changes

This syllabus is subject to change at the discretion of the instructor. Any changes or corrections to course materials, assignment dates, or other updates will be communicated to students ahead of time. You are responsible for checking Blackboard for corrections or updates to the syllabus.

Communication Plan

There are several ways you can communicate with me:

- Email: You may email me at Ferhat.Ozturk@sulross.edu. Please begin your message with a professional greeting such as Good morning, Hello, or Dear Dr. Ozturk.
- Course Messages in Blackboard: Use this option if you need to send me a private message regarding grades or other sensitive information. This is the only secure way to discuss grades.
- Response Time: I will respond to all messages within 24–48 business hours.

Don't hesitate to reach out and to join me during Student Hours (office hours).

Essential Student Information

SRSU Disability Services: Sul Ross State University is committed to equal access in compliance with the Americans with Disabilities Act. 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 by email at mschwartz@sulross.edu or ronnie.harris@sulross.edu. Eagle Pass students can also contact Alejandra Valdez at 830-758-5006 or alejandra.valdez@sulross.edu. See also Counseling and Accessibility Services.

Academic Integrity: Students are expected to demonstrate scholarly behavior and honesty in all work. Submit only your own work, cite sources properly, and do not reuse assignments from other courses or copy from online materials. Unauthorized collaboration is prohibited, and — as noted above — AI tools are not permitted for any lab submission. Violations may result in failing grades on assignments or the course, as well as further university consequences.

Classroom Climate of Respect: This course is built on free expression, critical inquiry, and open discussion of ideas. We share the responsibility of creating and sustaining an atmosphere of tolerance, civility, and respect for one another's viewpoints. Intimidation, harassment, or personal attacks of any kind will not be tolerated.

Student Support Services: Sul Ross offers a range of student support, including Counseling and Accessibility Services and Student Support Services. If you encounter difficulties inside or outside of class that impact your performance, please reach out to me — together we can find strategies and resources to help you succeed.

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, at library.sulross.edu. Mike Fernandez, SRSU Librarian, is based in Eagle Pass (Building D-129) to offer specialized library services.

Academic Calendar: See the Sul Ross Academic Calendar for official university-wide dates, including drop and withdrawal deadlines.

Laboratory Schedule — BIOL 1106-002, Fall 2026

The lab meets once weekly, every Tuesday at 4:30 PM. Per department guidance, all labs and both practical exams are scheduled to finish before Thanksgiving week — there is no lab the week of November 23–27 or afterward. Pre-lab

Week Of	Lab Activity	Relevant Lecture Chapter (Bio 2e)	Points
Aug 25	Lab 1: Class Orientation, Safety, and Presenting Scientific Data	— (Ch. 1 overview)	10 + 15
Sep 1	Lab 2: Scientific Method and Descriptive Statistics	Ch. 1	10 + 15
Sep 8	Lab 3: Measurements and Microscopes	—	10 + 15
Sep 15	Lab 4: Cell Structure	Ch. 4	10 + 15
Sep 22	Lab 5: Macromolecules	Ch. 3	10 + 15
Sep 29	PRACTICAL EXAM I (Labs 1–5) — In-Person	—	50
Oct 6	Lab 6: Diffusion, Osmosis, and Cell Membrane	Ch. 5	10 + 15
Oct 13	Lab 7: Enzymes and Cell Respiration	Ch. 6, 7	10 + 15
Oct 20	Lab 8: Photosynthesis	Ch. 8	10 + 15
Oct 27	Lab 9: Mitosis and Meiosis	Ch. 10, 11	10 + 15
Nov 3	Lab 10: Molecular Biology and Biotechnology	Ch. 14, 17	10 + 15
Nov 10	Lab 11: Genetics	Ch. 12, 13	10 + 15
Nov 17	PRACTICAL EXAM II (Labs 6–11) — In-Person — LAST LAB OF THE SEMESTER	—	50

quizzes are due by 11:58:59 PM the Sunday before each lab; post-lab assignments are due by 11:58:59 PM the night before the next lab. Dates and topics are subject to change; announcements will be posted on Blackboard. This laboratory course (BIOL 1106) accompanies BIOL 1306

(Biology for Majors I), lecture section 002, also taught by Dr. Ozturk. The “Relevant Lecture Chapter” column points to the matching OpenStax Biology 2e chapter(s) in the lecture course, though the lecture's own week-by-week order does not always align one-to-one with the lab's weekly cadence.