Anatomy & Physiology I Laboratory

BIOL 2101

Dr. Ferhat Ozturk

Sul Ross State University — Eagle Pass Campus

Fall 2026 | Wednesdays, 4:30 PM | CC Winn High School, Room 004

In-Person Laboratory — Corequisite Lab for BIOL 2301 (Anatomy & Physiology I)

Course Information

This laboratory course is the corequisite companion to BIOL 2301 (Anatomy & Physiology I). It is the first of a two-course laboratory sequence that uses anatomical models, histology images, and hands-on laboratory activities to study human anatomical structures and physiological processes, reinforcing the lecture's coverage of body organization, cells and tissues, and the integumentary, skeletal, muscular, and nervous systems.

Prerequisite: BIOL 1306/1106, or equivalent; concurrent enrollment in BIOL 2301 lecture is recommended.

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: 08/26/2026 – 11/18/2026 (Fall 2026)

Campus: Eagle Pass — off-site instructional location

Location: CC Winn High School, Room 004, Eagle Pass, TX

Time(s): W 4:30 PM

First meeting: Wednesday, August 26, 2026.

Communicate with Me

Instructor Name: Dr. Ferhat Ozturk

Department: Natural and Behavioral Sciences

Office Location: Eagle Pass Campus, Building B – B121

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

Email Address: Ferhat.Ozturk@SulRoss.edu

Phone: (830) 703-4832

Learning Goals

At the end of the course, you will be able to:

- Define and apply common anatomical and physiological terminology.
- Identify human anatomical structures using illustrations, anatomical models, the Complete Anatomy app, relative position in the body, and descriptions of morphology.
- Demonstrate the relationship between anatomical structure and function at the tissue, organ, cell, and system level.
- Follow written laboratory instructions, develop skills in structural identification using models and digital tools, and work as part of a team in the laboratory.
- Demonstrate critical thinking, with some application to clinical situations and disease processes.
- Demonstrate the ability to apply physiological concepts.

About Me & My Teaching Philosophy

I am Dr. Ozturk, Associate Professor in the Department of Natural and Behavioral Sciences 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, which draws directly on the

integumentary anatomy and physiology you'll study in this lab. 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

Anatomical Models & Charts: Provided in lab — skeletal models, torso/organ models, histology slide images, and muscle and nervous system charts. No separate purchase is required.

Required: Complete Anatomy app (phone/tablet/desktop, 3D4Medical/Elsevier) — our primary digital identification tool in place of a paid virtual-cadaver platform. You'll use it in most labs to explore structures in 3D and to review for practical exams. A free account covers the structures used in this course.

Required: Blackboard access — for pre-lab quizzes, post-lab assignment submission, announcements, and this syllabus.

Lecture textbook reference: Tortora & Derrickson, *Principles of Anatomy and Physiology* (Wiley, 16th ed. — the same e-book used in BIOL 2301 lecture, delivered via TopHat). Relevant chapters to study are listed in the Course Schedule below.

Bring a fully charged phone or tablet with the Complete Anatomy app installed to every lab session. A set of colored pencils is helpful (though not required) for labeling diagrams.

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 2301 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 lab without proper attire: closed-toe shoes and long pants. A student denied access to lab for improper attire will receive a zero for the laboratory, unless they can quickly change and return to lab.
- No eating or drinking in the lab is allowed, unless it is part of the lab activity.
- Cellular phones may be used for the Complete Anatomy app and lab-related activities only. 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.
- Handle all anatomical models and charts with care — you are responsible for returning them undamaged to their storage location at the end of each lab.

Do not use materials from previous semesters or other lab sections. 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 assigned in this course, 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 2301 lecture course.

Assessments and Assignments

Laboratory Modules (Total 250 points)

There are 10 laboratory modules during the semester. Each module 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, review the assigned lecture chapter and any posted lab materials before class. You may attempt the pre-lab quiz twice; the highest score counts. The quiz deadline is 11:58:59 PM the Tuesday night before your lab — the same weekly Sunday-to-weekday cadence used for TopHat assignments in your BIOL 2301 lecture course, adjusted for this lab's Wednesday meeting.

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

Although you are encouraged to discuss the questions on the assignment with your lab partners and help each other locate and identify structures, 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 150 points)

There are 3 practical exams, given in person during the scheduled lab period, testing your ability to identify anatomical structures on models, charts, and the Complete Anatomy app, and your understanding of the physiology covered in each unit.

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 2301 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 2101) 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)	3	50 pts each	150
TOTAL			400 pts

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

Grade Distribution and Letter Grade

Grade	Percentage
A	90 – 100 %
B	80 - 89.5%
C	70 - 79.5%
D	60 - 69.5%
F	<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 identification, observation, 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 2301 lecture course's policy, which permits generative AI for personal study; 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, and using the Complete Anatomy app on a phone, tablet, or computer. You will need a device with the Complete Anatomy app installed for most labs; contact Sul Ross's Office of Information Technology (OIT) if you need help accessing a loaner device for the semester.

Sul Ross OIT / LTAC Help Desk: Phone 432-837-8888, email ltac@sulross.edu. Contact OIT/LTAC if you need help installing the Complete Anatomy app, 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 Schwartze Grisham, LPC, SRSU's Accessibility Services Director, or Ronnie Harris, LPC, Counselor, at 432-837-8203 or by email at mschwartze@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 2101, Anatomy & Physiology I - Fall 2026

The lab meets once weekly, every Wednesday at 4:30 PM. All labs and practical exams are scheduled to finish before Thanksgiving week — there is no lab the week of November 23–27 or afterward. Pre-lab quizzes are due by 11:58:59 PM the Tuesday 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.

Week Of	Lab Activity	Relevant Lecture Ch. (Wiley)	Points
Aug 26	Lab 1: Orientation, Safety, and Body Organization & Anatomical Terminology	Ch. 1	10 + 15
Sep 2	Lab 2: The Cell & Membrane Transport	Ch. 3	10 + 15
Sep 9	Lab 3: Classification of Tissues	Ch. 4	10 + 15
Sep 16	Lab 4: Bone Tissue (structure, histology, and models)	Ch. 6	10 + 15
Sep 23	Lab 5: Axial and Appendicular Skeleton (models)	Ch. 7, 8	10 + 15
Sep 30	PRACTICAL EXAM 1 (Labs 1–5) — In-Person	—	50
Oct 7	Lab 6: Physiology of the Muscular System	Ch. 10	10 + 15
Oct 14	Lab 7: Anatomy of the Muscular System (models & charts)	Ch. 11	10 + 15
Oct 21	Lab 8: Nervous Tissue and the Brain (models)	Ch. 12, 14	10 + 15
Oct 28	PRACTICAL EXAM 2 (Labs 6–8) — In-Person	—	50
Nov 4	Lab 9: Spinal Cord, Spinal Nerves, and Reflex Physiology	Ch. 13	10 + 15
Nov 11	Lab 10: Cranial Nerves, Senses, and the Eye (models)	Ch. 14	10 + 15
Nov 18	PRACTICAL EXAM 3 (Labs 9–10) — In-Person — LAST LAB OF THE SEMESTER	—	50

This laboratory course (BIOL 2101) accompanies BIOL 2301 (Anatomy & Physiology I), lecture section also taught by Dr. Ozturk. The “Relevant Lecture Chapter” column points to the matching chapter(s) in the lecture's Wiley e-book (Tortora & Derrickson, 16th ed.), though the lecture's own week-by-week order does not always align one-to-one with the lab's weekly cadence.