

# BIOL 2101 HUMAN ANATOMY AND PHYSIOLOGY I LAB (1 credit)

## SRSU Syllabus and Course Information Fall 2026

**Lab Instructor:** Edgar Corona  
**Lab Room:** WSB 109  
**Lab times:** Section 001 M 1:30-3:15 pm  
Section 002 T 7:00-8:50 pm  
**Instructor office hours:**  
**Edgar Email:** ejc21bc@sulross.edu

**Optional Lab Manual:** Allen, C. and V. Harper. *Laboratory Manual for Anatomy and Physiology*. 4<sup>th</sup> or 5<sup>th</sup> edition. I've used this manual in the past, but it is not required this semester.

### Course Description:

The purpose of this course is to introduce students to the importance of the human body and its various organ systems. This is designed as the first semester of a two-semester course, and will cover basic internal life processes, as well as emphasizing the skeletal, muscular, nervous, and endocrine systems. This laboratory will focus on hands-on learning, combining laboratory and microscopic techniques with classical dissection.

### Grading:

A total of **300** possible points will count towards your performance on:

|                                     |            |
|-------------------------------------|------------|
| Lab Practicals (4 @ 50 points each) | 200        |
| Lab Quizzes (6 @ 10 points each)    | 60         |
| Lab Attendance                      | 40         |
| <b>TOTAL</b>                        | <b>300</b> |

As per SRSU policy, students shall be dropped from the class with an F if they miss 20% (3 labs) over the course of the semester.

If you are unable to attend lab, please notify me by either e-mail, phone, or in person so that you will not be unnecessarily dropped from the course. Please give one week notice. Make up exams are left up to the mutual decision of lab instructor and course professor.

Also, this course will involve dissections in the second half of the term. As such, please dress accordingly and avoid unnecessary problems (dangling hair, excessive jewelry, sandals, formal wear, etc.).

**PRACTICAL & QUIZ GRADES:** Grades will not be rounded up. Any practical extra credit will be added to the grade posted on Blackboard.

**FINAL GRADES:** Grades will not be rounded up. There are no exceptions. Do not ask for any extra credit or rounding at the end of the semester. Any asking for extra points or rounding will incur loss of any extra credit points accumulated throughout the semester. Extra Credit points will not be added to Attendance grades- if you are tardy or miss class, those are your points lost.

**EXTRA CREDIT:** Several opportunities for extra credit will be announced in class or on Blackboard. It is your responsibility to send proof of attendance (signed flyer, selfie, etc) via email to [ejc21bc@sulross.edu](mailto:ejc21bc@sulross.edu) within two days of the extra credit event. Some events will have a sign-in sheet- it is your responsibility to sign in and make sure to add our course to your name. Any extra credit will be divided between practical and quiz grades.

**PUNCTUALITY:** Class will begin promptly at start of lab and will continue for ten minutes following. It is best to be early than to be on time. Remember that the sign-in sheet will be promptly taken up at lab start time, any missing students will be highlighted for that day and will lose attendance points (whether they are tardy or absent). Tardy students will be allowed to sign in at the end of lecture and will receive half credit for attendance that day.

**ELECTRONIC USE:** No electronic use is tolerated in lecture time. This includes mobiles, cell phones, pagers, laptops, notepads, tablets, headphones/earpods/etc. Lecture time is important, not a time to be scrolling on a device. Please show respect in class.

**LECTURE STRUCTURE:** Lecture time in lab is for reviewing material that you should have already read PRIOR to class. We expect students to come to lab time, having already read the material for the day- both handouts, worksheets, and having watched any assigned videos posted on Blackboard. Anything from the lab exercises, classroom discussion, and videos will be possible test material.

**LECTURE COURTESY:** The general rules of classroom etiquette are below.

- 1) Please do not talk to others in class while the instructor is lecturing. If you have a question, please ask the instructor.
- 2) **No food or drink in the lab.**
- 3) If you are going to attend class, please do so. Leaving and returning to class repeatedly is disruptive, as well as showing up after half the period is over.
- 4) Please turn cell phones and other devices to silent while in class. They are disruptive to the entire class and distract others, as well.
- 5) Please clean up the lab area **BEFORE** leaving the lab room. Any dissection materials will need to be put away in their respective places, any messes cleaned up, table and chair wiped down, trash picked up, and any other messes tidied up. Please throw away all trash in the trash can, including gloves and any used materials used in lab exercises. This is YOUR lab- keep it CLEAN!

**STUDENT LEARNING OUTCOMES (SLOS)** The biology student graduating with a BS in Biology should be able to:

- 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 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.

**CORE OBJECTIVES ADDRESSED:**

- 1) Communication Skills – Students will effectively communicate the results of scientific investigations, using oral, written, and visual communication, either in group discussions or on written exams.
- 2) Critical Thinking Skills – Students will include creative thinking, innovation, inquiry, and analysis required to relate new information with previous information in a way that demonstrates the diversity and similarity due to evolutionary ancestry.
- 3) Empirical and Quantitative Skills – Students will use basic math skills to solve problems (e.g., related to genetic outcomes, cellular energy production, and probability) resulting in informed conclusions.
- 4) Teamwork Skills – Students will work effectively with others to support a shared goal during lab sessions on activities, such as dissections, problem solving, and other experimental procedures.

**MARKETABLE SKILLS:** A student getting a degree in the biological sciences would be expected to acquire the following marketable skills by graduation.

- 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 form the scheduled date. RULE TO LIVE BY: DON'T MISS ANY LABS! If you absolutely must miss, make sure you let me know BEFORE, well in advance (usually one week prior).

### **ADA Statement**

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.

### **Counseling**

Sul Ross has partnered with TimelyCare where all SR students will have access to nine free counseling sessions. You can learn more about this 24/7/365 support by visiting [Timelycare/SRSU](https://www.timelycare.com/sulross). The SR Counseling and Accessibility Services office will continue to offer in-person counseling in Ferguson Hall room 112 (Alpine campus), and telehealth Zoom sessions for remote students and RGC students.

### **Libraries**

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, [library.sulross.edu/](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/](https://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.

## 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.

## 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.

# TENTATIVE HAP I LAB SCHEDULE

| WEEK | DATE             | TOPIC                                         |
|------|------------------|-----------------------------------------------|
| 1    | MT 24/5 Aug      | NO LAB                                        |
| 2    | MT 31 Aug/1 Sept | 01_ Anatomical Positions, Microscope, Tissues |
| 3    | MT 7/8 Sept      | OPEN LAB- CLEAN & ORGANISE                    |
| 4    | MT 14/5 Sept     | 02_ Transport                                 |
| 5    | MT 21/2 Sept     | LAB PRACTICAL 1                               |
| 6    | MT 28/9 Sept     | 03_ Axial Skeleton                            |
| 7    | MT 5/6 Oct       | 04_ Upper Appendicular                        |
| 8    | MT 12/3 Oct      | 05_ Lower Appendicular                        |
| 9    | MT 19/20 Oct     | LAB PRACTICAL 2                               |
| 10   | MT 26/7 Oct      | 06_ Articulations                             |
| 11   | MT 2/3 Nov       | 07_ Brain & Cranial Nerves                    |
| 12   | MT 9/10 Nov      | LAB PRACTICAL 3                               |
| 13   | MT 16/7 Nov      | 08_ Muscles 1                                 |
| 14   | MT 23/4 Nov      | 09_ Muscles 2                                 |
| 15   | MT 30 Nov/1 Dec  | LAB PRACTICAL 4                               |

*Note – This outline is subject to change for reasons of course interest or time constraint. The exams will be administered on the dates indicated.*