

**BIOL 2102 Human A&P II LAB (1 credit)**  
**SRSU Syllabus and Course Information Spring 2025**

**Lab Instructor:** Caroline Lisboa Viana & Edgar Corona

**Lab Room:** WSB 109

**Lab times:** Section L01 Tues 2:00-3:50 pm

Section L02 Tues 7:00-8:50 pm

**Instructor office hours:** TBA

**Email:** cxl22xb@sulross.edu

**Phone:** 432-283-6162

**OPTIONAL:** *A Visual Analogy Guide to Human Anatomy & Physiology* by Paul A Krieger (any edition). This manual offers several tips and tricks to learn (and remember!) structures. **NOT REQUIRED**

**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 second semester of a two-semester course, and will cover internal organ systems, such as cardiovascular, digestive, endocrine, lymphatic, respiratory, reproductive, and urinary. This laboratory will focus on hands-on learning, combining laboratory and microscopic techniques with selected classical dissection.

**Grading:**

A total of **500 points** possible will count towards your overall grade and be determined by your performance on:

<b>Lab Practicals (4 @ 50 points each)</b>	<b>200</b>	
<b>Pre-Lab Exercises (8 @ 20 points each)</b>		<b>160</b>
<b>Lab Quizzes (6 @ 10 points each)</b>	<b>60</b>	
<b>Lab Attendance/Participation</b>	<b>50</b>	
<b><u>Open Lab Attendance</u></b>	<b><u>30</u></b>	
<b>TOTAL</b>		<b>500</b>

Pre-Lab exercises will be due **BEFORE** lab begins. No late work will be accepted.

Lab Attendance will be taken at the beginning of lab. Any tardiness or early departure will count against your attendance grade.

At least one open lab per week is **required**. You will need to set aside time to come into open lab to review material. Any absence will count against your grade. We have three open lab opportunities during TA office hours each week.

Each quiz will cover material presented in the previous lab. Quizzes will focus on the identification of structures and understanding of conceptual material.

## Tentative Laboratory Outline

Date	Material
21 Jan	Intro, Blood
28 Jan	Vascular Q#1
4 Feb	Cardiac Q#2
<b>11 Feb</b>	<b>Practical #1</b>
18 Feb	Lymphatic
25 Feb	Respiratory Q#3
4 Mar	Review Q#4
<b>11 Mar</b>	<b>Practical #2</b>
<b>18 Mar</b>	<b>SPRING BREAK!</b>
25 Mar	GI
1 Ap	Urinary Q#5
<b>8 Ap</b>	<b>Practical #3</b>
15 Ap	Reproduction
22 Ap	Final Dissection Q#6
<b>29 Ap</b>	<b>Practical #4</b>

**Studying:** As a general rule, students should spend 2-3 hours studying for every 1 hour of lecture material. So, for this lab, you need to allocate **2-3 hours per week** to study the lab material.

**I HIGHLY RECOMMEND READING BEFORE LAB.**

You have been given the tentative schedule- please review it and read material beforehand. I recommend reading your notes and handouts before coming to lab. Don't forget the pre-lab exercises are due BEFORE lab

Studying is best done before & after the lab, and in small doses, not all at once the night before the exam. Open lab is also required. Any extra open lab attendance may result in extra credit.

## Lab Etiquette

- Wear gloves when asked to do so (feel free to provide your own if you have allergies/sensitivities)
- Wear closed-toes shoes and tie your hair back- no slides/sandals allowed
- Be on time- better to be early so we can begin on time
- Turn off your phone and put it away- **NO CELL PHONES IN LAB**
- Only your writing utensil and lab paper with you in lab. No electronics, food, drinks, etc
- Clean up your lab station and all materials used before you leave the lab room- please help keep the lab clean
- DO NOT sleep, eat, or drink in lab

## Lab courtesy to instructors:

- 1) Please do not talk to others in class while the instructor is lecturing.
- 2) Please do not leave the lab during class time. Leaving and returning to class repeatedly is disruptive, as well as showing up after half the period is over.
- 3) Please turn cell phones to silent while in class. They are disruptive to the entire class and distract others, as well.

## STUDENT LEARNING OUTCOMES (SLOs)

The graduating 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.

**Attendance:** Lectures/Labs will not be posted on Blackboard so students must attend lab to receive the material. Absences are excused only if students have a documented, university approved excuse (illness, death in the family, etc.). As per SRSU policy, any students missing 20% of labs (3 lectures) over the course of the semester shall be dropped from the class with an F. **Students cannot miss exams** unless they have a documented, university-approved excuse; in these cases, the instructor needs to be informed **at least 24 hours in advance** of the exam.

**Drop Policy** 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 lecture, please notify me by either e-mail, phone, or in person so that you will not be unnecessarily dropped from the course.

### 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.

### Student Responsibilities Statement

All full-time and part-time students are responsible for familiarizing themselves with the [Student Handbook](#) and the [Undergraduate & Graduate Catalog](#) and for abiding by the [University rules and regulations](#). Additionally, students are responsible for checking their Sul Ross email as an official form of communication from the university. Every student is expected to obey all federal, state and local laws and is expected to familiarize themselves with the requirements of such laws.

### 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](#). 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/](http://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.

### **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