

BIOL 2302 Human A&P II Lecture (3 credit hours)

SRSU Syllabus Course Information Spring 2025

Instructor: Mrs Jena Carey

Office: WSB 220

Phone: 432.837.8820

Class time: TR 9:30-10:45 WSB 201

Office hours: M-R 0830-9/1330-1500; F appt only

Email: jena.carey@surloss.edu

(Type "BIOL 2302" in subject line and sign your emails)

Optional Textbook: *Anatomy Physiology-The Unity of Form and Function*, 10th Edition, Saladin, McGraw-Hill. or another comparable A&P text **NOT REQUIRED**

Free online open-source textbook: <https://openstax.org/details/books/anatomy-and-physiology>

The important thing is for you to have a textbook that is useful to you personally.

Course Description: The purpose of this course is to introduce students to the importance of the human body and its various organ systems. It 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. Students should come away with an understanding of the above systems, how they are anatomically structured, and how that structure aids in each system's functionality.

Grading:

Lecture Exams (4 @ 100 pt ea)	400
Attendance	300
Concept Maps (10 @ 20 pts)	200
Final Exam (comprehensive)	100

TOTAL **1000**

Attendance and Makeup Exams. If you arrive for an exam after other students have completed and turned in their exams, you will not be allowed to take the exam.

Missing any exam without notifying me in advance will result in a zero for that exam grade—no exceptions.

You'll have five days (including weekends) from the test date to make up the missed exam; often the makeup exam will be different from the original exam.

If you fail to appear—or appear late—for your scheduled makeup exam, you will receive a zero.

Finally, if you miss a class, it is your responsibility to get notes and other important information from a classmate.

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

WEEK	DATE	TOPIC
1	R Jan 16	Course Introduction and Intro to Circulatory System
2	T Jan 21	Vascular
	R Jan 23	Blood Vessels
3	T Jan 28	Blood Vessels Concept Map #1 Due
	R Jan 30	Heart
4	T Feb 04	Heart
	R Feb 06	Heart Concept Map #2 Due
5	T Feb 11	EXAM I
	R Feb 13	Balance
6	T Feb 18	Balance Concept Map #3 Due
	R Feb 20	Lymphatic System
7	T Feb 25	Lymphatic System Concept Map #4 Due
	R Feb 27	Respiratory System
8	T Mar 04	Respiratory System Concept Map #5 Due
	R Mar 06	EXAM 2
9	T Mar 11	Digestive System
	R Mar 13	Digestive System Concept Map #6 Due
10	T Mar 18	No Classes
	R Mar 20	Spring Break
11	T Mar 25	Urinary System
	R Mar 27	Urinary System Concept Map #7 Due
12	T Apr 01	EXAM 3
	R Apr 03	Reproductive System
13	T Apr 08	Reproductive System Concept Map #8 Due
	R Apr 10	Endocrine System
14	T Apr 15	Endocrine System Concept Map #9 Due
	R Apr 17	Review
15	T Apr 22	EXAM 4
	R Apr 24	Nutrition Concept Map #10 Due
16	T Apr 29	Nutrition
	R May 01	NO CLASS-STUDY DAY
17		See SRSU Final Exam schedule for date and time of Final

Note – This outline is subject to change. The exams will be administered on the dates given unless material relevant for a given exam has not been covered.

STUDYING: As a general rule, students should spend 2-3 hours studying for every 1 hour of lecture material.

So, for this class, you need to allocate **5-7.5 hours per week** to study the lecture material.

I HIGHLY RECOMMEND READING BEFORE LECTURE.

You have been given the tentative schedule- please review it and read material beforehand.

I recommend reading your notes in conjunction with reading the relevant textbook chapters. Studying is best done before & after the lecture, not all at once the night before the exam.

Look up anything that you do not understand or visit with your instructor during office hours.

Student Learning Objectives for this Course:

- 1) Students will illustrate knowledge of internal organ systems.
- 2) Students will diagram the location of the internal organs and blood flow.
- 3) Students will define the physiological responses to different chemical situations.
- 4) Students will demonstrate an understanding of the mechanics of ion movement.
- 5) Students will apply principles learned in the first term of this course toward organ functionality.

CORE OBJECTIVES:

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.

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.

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.

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.

Students will be able to organize, analyze, and interpret data.

Students will be proficient at using presentation software.

Students will acquire experience in managing time and meeting deadlines.

Students will gain the ability to speak effectively and write concisely about scientific topics.

Students will acquire experience and guidance in the development of professional email correspondence.

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 or ronnie.harris@sulross.edu. RGC students can also contact Alejandra Valdez, at 830-758-5006 or email 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/. 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), 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/ or ask a librarian by emailing 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.

DROP POLICY:

Per SRSU policy, students shall be dropped from the class with an F if they miss 20% (6 lectures) 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. Although supplemental material for this course will be provided on-line, previous experience indicates that periodic attendance tends to hurt grades. Some material is only presented during the lecture, with this material typically included on exams to add depth to the tests.

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 Family. 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.