

BIOL 1313 General Zoology Lecture (3 credit hours)

SRSU Syllabus Course Information Spring 2025

Instructor: Mrs Jena Carey

Office: WSB 220

Phone: 432.837.8820

Class time: MW 09:30-10:45 WSB 101

Textbook: **NOT REQUIRED** Any college-level Zoology textbook may be used as a reference

Free online open-source textbook:

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

Course Description: General Zoology provides a general survey of the animal kingdom, which considers the fundamentals of biological facts, laws, and principles as they apply to animals and functions of the organs and systems of representative animals.

Student Learning Objectives for this Course:

- 1) Students will identify, recall, and label basic cellular structures and processes.
- 2) Students will identify animal-like protists and classify organisms within the kingdom Animalia
- 3) Students will be able to summarize and explain the processes of evolution.
- 4) Students will be expected to demonstrate understanding of the genetic code and how it relates to protein synthesis.
- 5) Students will understand physiological systems, such as aerobic respiration and reproduction

Grading:

Lecture Exams (4 @ 100 pt ea)	400
Assignments (4 @ 50 pt ea)	200
Attendance/Exit Tickets	200
PreQuiz	100
Final Exam	100
TOTAL	1000

*The use of books, notes, cell phones, etc. during exams is **not** permitted. The only item allowed at your desk during an exam is a writing implement.*

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	W Jan 15	Introduction to Zoology and Cells, Tissues, Organs
2	<i>M Jan 20</i>	<i>NO SCHOOL- MLK, Jr Holiday</i>
	W Jan 22	Cell Division and Inheritance (Mitosis & Meiosis)
3	M Jan 27	DNA Structure, DNA Replication
	W Jan 29	Protein Synthesis
4	M Feb 03	Cellular Respiration
	W Feb 05	EXAM 1
5	M Feb 10	Animal Taxonomy
	W Feb 12	Evolution: History & Evidence
6	M Feb 17	Evolution: Gene Frequencies
	W Feb 19	Reproduction & Development
7	M Feb 24	EXAM 2
	W Feb 26	Poriferans
8	M Mar 03	Cnidarians
	W Mar 05	Platyhelminthes
9	M Mar 10	Review
	W Mar 12	EXAM 3
10	<i>M Mar 17</i>	<i>SPRING</i>
	<i>W Mar 19</i>	<i>BREAK!!!!</i>
11	M Mar 24	Annelids
	W Mar 26	Nematodes
12	M Mar 31	Mollusks
	W Ap 2	Arthropods
13	M Ap 7	EXAM 4
	W Ap 9	Fishes
14	M Ap 14	Amphibians
	W Ap 16	Reptiles
15	M Ap 21	Birds
	W Ap 23	Mammals
16	M Ap 28	Review
	<i>W Ap 30</i>	<i>NO CLASS-STUDY DAY</i>
17		Final Exam- TBA

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 shortly 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.

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 Schwartze 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](https://www.timelycare.com/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 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.