

**Biology 1313 General Zoology (3 credits)**  
**Spring 2020 Sul Ross State University**

**Instructor:** Julia Green

**Office Hours:** M/W/F 10:00-12:00

T/Tr: 8:00-12:00

and by appointment

**Office:** WSB 314A

**Lecture Time:** M/W/F 9:00 am-9:50 am

**Email:** [jgre9203@sulross.edu](mailto:jgre9203@sulross.edu) (Biology 1313 in subject line)

**TEXTBOOKS:**

Lecture: Miller, Stephen A. and John P. Harley. 2013. *Zoology*, 10<sup>th</sup> edition. McGraw Hill.

EAN 9780077837273; ISBN 0077837274 **[OPTIONAL]**

**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.

**Grading:** Your final grade will be based on your performance on 4 exams and additional quizzes. If you have a valid excuse to miss an exam, you must contact me **within 24 hours** of the scheduled exam. Failure to do so will result in a zero – no exceptions. **Quizzes cannot be made up.** *For those taking the lab, you will receive a separate lab syllabus.*

Lecture Exams (3 @ 100 pts each)	300
Final Exam	100
Quizzes (5 @ 20 pts each)	100
<b>TOTAL</b>	<b>500 points</b>

**Biology Student Learning Outcomes (SLOs):**

1. Demonstrate an understanding of evolution.
2. Demonstrate an integration of environmental awareness into everyday modern life.
3. Understand how to incorporate molecular biology into the study of the whole organism.
4. Demonstrate utilization of various field techniques toward addressing scientific questions in the discipline.
5. Conduct basic laboratory experiments utilizing standard observational strategies.

**CORE CURRICULUM OBJECTIVE: CRITICAL THINKING**

Students will develop critical thinking skills to include creative thinking, innovation, inquiry and analysis, evaluation and synthesis of information.

**OBJECTIVES:**

- 1) Students will identify, recall, and label basic cellular structures and processes.
- 2) Students will classify organisms within the Kingdoms Protista and Animalia.
- 3) Students will be able to summarize and explain the processes of evolution.
- 4) Students will demonstrate understanding of the genetic code and how it relates to protein synthesis.
- 5) Students will understand how physiological systems such as digestion function.

**LECTURE COURTESY:**

- 1) Please do not talk while the instructor is speaking. If you have a question please ask.
- 2) No tobacco use of any kind will be tolerated in any SRSU classroom.
- 3) Keep cell phones and pagers OFF or on SILENT during lectures, quizzes, and exams.
- 4) Excessive tardiness and early departures could negatively impact your final grade.
- 5) Check Blackboard regularly.

January 13	Intro to Course; Chapter 1 Zoology & Ecological Perspective
January 15	Chemistry of Life
January 17	Chapter 2 Cells, Tissues, Organs, etc.
January 20	HOLIDAY Martin Luther King, Jr. Day
January 22	Chapter 2 con't
January 24	Chapter 3 Cell Division and Inheritance
January 27	Chapter 3 con't
January 29	Chapter 4 Evolution: History & Evidence
January 31	Chapter 4 con't
February 3	Chapter 5 Evolution: Gene Frequencies
February 5	Review
February 7	<b>EXAM #1</b>
February 10	Chapter 5 con't
February 12	Chapter 7 Animal Classification
February 14	Chapter 37 Biomes
February 17	Chapter 29 Reproduction
February 19	Chapter 29 con't
February 21	Chapter 9 Poriferans, Cnidarians, Ctenophora
February 24	Chapter 9 con't
February 26	Chapter 10 Platyhelminthes
February 28	Chapter 12 Annelids
March 2	Review
March 4	<b>EXAM #2</b>
March 6	Chapter 13 Nematoda
<b>March 9 – 13 SPRING BREAK</b>	
March 16	Chapter 11 Mollusks
March 18	Chapter 14 Arthropods
March 20	Chapter 15 Crustaceans
March 23	Chapter 15 Hexapods (robotic insects)
March 25	Chapter 16 Echinoderms
March 27	Chapter 17 Chordates
March 30	Chapter 18 Fishes
April 1	Chapter 18 con't
April 3	Chapter 19 Amphibians
April 15	Review
April 6	<b>EXAM #3</b>
April 8	Chapter 20 Reptiles, Reptiles and Amphibians of the Trans-Pecos
<b>April 10 HOLIDAY</b>	
April 13	Chapter 27 Nutrition and Digestion
April 15	Chapter 21 Birds

April 17 Chapter 22 Mammals  
April 20 Chapter 22 con't  
April 22 Early Human Evolution  
April 24 Slime Mold and "The Creeping Garden"  
April 27 Review  
April 29 Review

**Tuesday, May 5, 8:00 – 10:00 FINAL EXAM**

***Students with Special Needs:***

*Sul Ross State University (SRSU) is committed to equal access in compliance with 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. Please contact me, Ms. Rebecca Greathouse Wren, M.Ed., LPC-S, Director/Counselor, Accessibility Services Coordinator, Ferguson Hall (Suite 112) at 432.837.8203; mailing address is P.O. Box C-122, Sul Ross State University, Alpine, Texas 79832. Students should then contact the instructor as soon as possible to initiate the recommended accommodations.*