

Biology 1313 General Zoology (3 credits)
Spring 2017 Sul Ross State University

Instructor: Julia Green
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Office Hours: M/W/F 9:30-10:45 and by appointment
Lecture Time: M/W/F 11:00 am-11:50 am in WSB 201

TEXTBOOKS:

Lecture: Miller, Stephen A. and John P. Harley. 2013. *Zoology*, 9th edition. McGraw Hill.
ISBN 978-0-07-352417-7; ISBN 0-07-352417-4 **[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 3 exams and 5 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.** More quizzes may be administered, but the lowest scores will be dropped. *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
TOTAL	500 points

Biology Program Learning Outcomes (PLOs):

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.

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 18	Intro to Course; Ch 1 Zoology & Ecological Perspective
January 20	Finish Chapter 1a, Chemistry of Life (not in text), begin Chapter 2
January 23	The Chemistry of Life, Ch 2 Cells, Tissues, Organs, etc.
January 25	Chapter 3 Cell Division and Inheritance
January 27	Inheritance con't and Cell Division (Mitosis)
January 30	Quiz, Chapter 3 Meiosis
February 1	Chapter 3 Mutations and Inheritance
February 3	Review
February 6	EXAM #1
February 8	Cellular Respiration (not in text)
February 10	Cellular Respiration, cont.
February 13	Ch 4 Evolution: History & Evidence
February 15	Chapter 4 Evolution: History and Evidence
February 17	Chapter 5 Evolution: Gene Frequencies; Chapter 29
February 20	Chapter 5 Evolution: Gene Frequencies; Chapter 29
February 22	Chapter 29 Reproduction & Development
February 24	Chapter 29 Reproduction & Development
February 27	Rosalind Franklin and Photo 51 (not in text)
March 1	Review
March 3	EXAM #2
March 6	Chapter 7 Animal Classification
March 8	Chapter 9 Poriferans
March 10	Chapter 9 Cnidarians
March 13 - 17	SPRING BREAK
March 20	Chapter 10 Platyhelminthes
March 22	Chapter 12 Annelids
March 24	Chapter 13 Nematodes
March 27	Chapter 13 Nematodes
March 29	Chapter 11 Mollusks
March 31	Chapter 11 Mollusks
April 3	Review
April 5	EXAM #3
April 7	Chapter 14 Arthropods
April 10	Chapter 14 Arthropods
April 12	Chapter 15 Hexapods (more Arthropods!)
April 14	OFF
April 17	Chapter 17 Chordates
April 19	Chapter 18 Fishes
April 21	Chapter 19 Amphibians

April 24 Chapter 20 Reptiles
April 26 Chapter 21 Birds
April 28 Chapter 21 Birds
May 1 Chapter 22 Mammals
May 3 Chapter 22 Mammals
Tuesday, May 9 10:15 - 12:15 FINAL EXAM

Students with any learning disabilities will be provided with accommodations. If you would like to request such accommodation please contact the ADA coordinator at 837-8203, FH 112.