

BIOLOGY 1313_02 GENERAL ZOOLOGY (4 CREDIT HOURS)
Syllabus and Course Information Fall 2018

Instructor: Sean P. Graham
Office: WSB 221
Phone: (432) 837-8084
Class time: T-TR 9:00-10:40; WSB 101

Office hours: MWF 11-12; T-TH 2-3; by appt.
Email: sean.graham@sulross.edu (Type
"Biology 1313" in subject line)

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]**

Lab: Smith, David G. 2002. *Exercises for the Zoology Laboratory*, 3rd ed. Morton Publishing.
ISBN 978-1-61731-062-1 **[REQUIRED]**

COURSE DESCRIPTION

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

ATTENDANCE. Missing any exam without notifying me in advance will result in a zero for that exam grade—no exceptions. Your reason for missing must adhere to the university excused absences policy (a documented family or health emergency) and you must tell me in person. You will have seven days (including weekends) from the exam date to make up a missed exam; the makeup exam will be different from the original exam. If you fail to appear (on time) for your scheduled exam or a makeup exam, you will be given a zero for that exam. ****If you arrive for an exam after other students have completed and turned in their exam, you will not be allowed to take the exam.**** Finally, if you miss a class, it is your responsibility to get notes and other important information from a classmate. I will not re-teach lectures on an individual basis.

GRADING

Your grade will be determined based on your performance in lecture component of this course.

Comprehension Tests (4 @ 100 pts) 400
Quizzes and reaction papers ~100
TOTAL ~500 points

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.

Student Learning Outcomes for biology (SLOs):

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

Tentative schedule (subject to change)

Week	Week of	Topic	Chapter
1	Aug 28	Intro: Life on Earth; Zoology: The Evolutionary and Ecological Perspective	1/6
1		The Chemistry of Life (not in textbook)	X
2	Sep 4	The Chemistry of Life (not in textbook)	X
2		Cells, Tissues, organs	2
3	Sep 11	Cell division (mitosis)	3
First Exam: September 27, 2018			
3		Inheritance (Meiosis, genetics, DNA)	3
4		Cellular respiration (and photosynthesis)	X
5	Sep 18	Evolution	5
6	Oct 2	Evolution	5
6		Evolution	5
Second Exam: Nov 1, 2018			
7	Oct 9	Species concepts and speciation	8
8	Oct 16	Rise of the animals	8
8		Porifera and Cnidaria	9
8		Platyhelminthes	10
9	Oct 23	Mollusks	11
10	Oct 30	Annelids and Nematodes and others	12
Third Exam; November 29, 2018			
11	Nov 6	Arthropods	14
11		Hexapoda	15
12	Nov 13	Dueterostomes: Echinoderms and Chordates	16/17
12		Chordates (11/16 Last day to drop with a W)	17
13		Fishes	18
13		Amphibians and Reptiles	19/20
14	Nov 27	Birds	21
Thanksgiving Holiday Nov 21-23			
14	Dec 3	Yay! Mammals	22

Last day of Class Dec 3. Finals Week Dec 7; 10-12

Sul Ross State University is committed to equal access in compliance with the Americans with Disabilities Act of 1973. It is the student's responsibility to initiate a request for accessibility services. Students seeking accessibility services must contact Mary Schwartz, M. Ed., L.P.C., in Counseling and Accessibility Services, Ferguson Hall, Room 112. The mailing address is P.O. Box C-122, Sul Ross State University, Alpine, Texas 79832. Telephone: 432-837-8203 8691. E-mail: mschwartz@sulross.edu