

Biology 1313 General Zoology (3 credits)
Summer I 2015 Sul Ross State University

Instructor: Anne Marie Hilscher **Office Hours:** M-F 9:00-9:50
AND by appointment
Office: WSB 220 **Lecture Time:** M-F 9:50am-11:25am in WSB 101
Phone: 837-8820
Email: ahilscher@sulross.edu (Biology 1313 in subject line)
Make sure my email address is spelled correctly.

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 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. *You will receive a separate lab syllabus with lab grade details.*

Lecture Exams (3 @ 100 pts each)	300
<u>Quizzes (5 @ 20 pts each)</u>	<u>100</u>
TOTAL	400 points

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, INCLUDING LAB:

- 1) Students will identify, recall, and label basic cellular structures and processes.
- 2) Students will classify organisms within the Phyla Protista and 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 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 will negatively impact your final grade.
- 5) Check Blackboard regularly.

TENTATIVE LECTURE OUTLINE (and subject to change)

Please read the assigned chapter(s) before class.

WEEK	DATE	M-F 9:50-11:25
1	June 02	Intro to Course; Ch 1 Zoology & Ecological Perspective
	June 03	The Chemistry of Life (<i>not in text</i>)
	June 04	Ch 2 Cells, Tissues, Organs, etc.
	June 05	Ch 2 cont.; Ch 3 Cell Division (Mitosis)
2	June 08	Ch 3 Inheritance (Meiosis and DNA Structure)
	June 09	Cellular Respiration (<i>not in text</i>)
	June 10	Cellular Respiration, cont.
	Thurs., June 11	EXAM #1
	June 12	Ch 4 Evolution: History & Evidence
3	June 15	Ch 5 Evolution: Gene Frequencies; Begin Ch 29?
	June 16	Ch 29 Reproduction & Development
	June 17	<i>Rosalind Franklin and Photo 51 (not in text)</i>
	June 18	Ch 7 Animal Classification
	June 19	Ch 9 Poriferans; Ch 9 Cnidarians
4	June 22	Ch 10 Platyhelminthes; Ch 12 Annelids
	June 23	Ch 13 Nematodes
	Wed., June 24	EXAM #2
	June 25	Ch 11 Mollusks
	June 26	Ch 14 Intro to Arthropods
5	June 29	Ch 15 Hexapods (more Arthropods!)
	June 30	Ch 17 Chordates; Ch 18 Fishes
	July 01	Ch 19 Amphibians; Ch 20 Reptiles
	July 02	Ch 21 Birds
	**July 03	NO CLASS—JULY 4th HOLIDAY
6	July 06	Ch 22 Mammals; Wrap-up
	Tues., July 07	EXAM #3

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.