BIOLOGY 1113 (L01-L05) ZOOLOGY LABORATORY
SRSU SPRING 2017 SYLLABUS

Lab Room: WSB 111
Lab Section/Time: Wednesday: L01 1:00 – 2:50 L02 3:00 – 4:50 L03 7:00 – 8:50
Thursday: L04 2:00 – 3:50 L05 4:00 – 5:50
Lab instructors: Michelle Lawhorn: Office hours in WSB 214: M 12:30-3; T 12-2:30
Email: jml14yi@sulross.edu
Lauren Garrett: Office hours in WSB 214: M-Th 10-10:50; T 1:30-3
Email: lgarrett@sulross.edu

Course description: This class provides a general survey of the animal kingdom which considers the fundamentals of biological facts, laws, and principals as they apply to animals and the structures and functions of the organs and systems of representative animals. Specific topics are listed below.

Suggested Manual: Smith, David G. 2002. *Exercises for the Zoology Laboratory*. 3rd Edition. Morton Publishing Co., Englewood, Colorado.

Course objectives:

1. Provide a broad overview and appreciation of animal diversity.
2. Develop an understanding of the role of evolutionary theory and its relation to animal diversity.
3. Explore the physical, morphological, and physiological characteristics of animals.
4. Develop an understanding of basic genetics and the role of genetics in natural selection.
5. Enhance critical thinking skills.

Attendance: Students missing more than three labs will be dropped from the class as per university policy and receive an F in the course. Arrangements for excused absences should be made **in advance**. If you miss a lab exam and have a legitimate excuse, you must contact one of us within **24 hours** of the test and we will arrange a make-up test. If you do not contact us within 24 hours, you will receive a zero on that exam. Exams and quizzes missed for any reason must be made up within **one** week of the originally scheduled date. There are no exceptions!

Grading: The table below illustrates the grading for this course.

3 Lab practicals @ 100 pts ea	300
6 Quizzes @ 10 pts ea (drop lowest)	50
Participation/Lab assignments @ 10 pts/lab	100
1 Written Lab Report	100
Total Credit	**550 points**

Lab Report: This assignment will be submitted via Blackboard and checked with plagiarism detection software on a match percentage system. If you submit work that is not your own

(matching above 20%), you will receive an F for the assignment, and possibly face disciplinary action. **Zero tolerance.** A separate handout will be provided with details.

Lab etiquette: Please observe the following rules during the lab.

1. Attend lab. Pay attention. Do your assignments.
2. When in doubt, ask. **Communication is key!** This guideline applies to lab protocol, quiz or exam questions, assignments, and life in general.
3. Please be on time. Quizzes will be given at the beginning of each lab and cannot be made up if you are absent or late.
4. Please silence/turn off cell phones.
5. No food, drink, or tobacco use in class.

Dissections: Students are expected to display proper laboratory safety and dissecting techniques during dissection days. If you are not comfortable with dissections or handling organisms speak to instructors for alternatives.
This lab is scheduled to dissect the follow organisms:

1. Nematoda: pig roundworm
2. Mollusca: freshwater mussel
3. Annelida: earthworm
4. Arthropoda: crayfish
5. Arthropoda: grasshopper
6. Echinodermata: sea star
7. Actinopterygii: perch
8. Mammalia: rat

Students with disabilities will be provided with reasonable accommodations. If you wish to request such accommodations because of physical, mental, or learning disability, please contact the ADA coordinator for Program Accessibility at 837-8203 in FH 112.

Tentative Laboratory Schedule:

Date	Topic	Chapter(s)
Jan 25, 26	Introduction, microscopes, lab techniques, wet mounts, cells, and tissues	1, 2
Feb 1, 2	Mitosis, Taxonomy and Dichotomous Keys	3
Feb 8, 9	Animal-like Protists	4
Feb 15, 16	Porifera and Cnidaria	5, 6
Feb 22, 23	**Lab Practical #1**	
Mar 1, 2	Platyhelminthes and Mollusca *****Introduce Planarian Projects*****	7, 8
Mar 8, 9	Annelida and Nematoda	9, 10
Mar 15, 16	**NO LABS- Spring Break**	
Mar 22, 23	Arthropoda and Echinodermata	11, 12
Mar 29, 30	**Lab Practical #2**	
Apr 5, 6	Chordata, Actinopterygii, Amphibia, and Reptilia	13, 14 15, 16
Apr 12, 13	Aves and Mammalia *****Planarian Report due Friday, Apr 14th by midnight*****	17, 18
Apr 19, 20	Field Lab! ***More information will be provided in lab***	
Apr 26, 27	**Lab Practical #3** ***More information will be provided in lab***	