

**BIOLOGY 1107 (L01-L03) BIOLOGY II LABORATORY
SRSU SPRING 2021 SYLLABUS**

Lab Room: WSB 206
Lab Section/Time: Tuesday: 1-2:50; 3-4:50; 7-8:50
Lab instructor: Leah B.
Office hours: MW 10-12:30 or by appointment
Email: lab18wm@sulross.edu

Course description: This class provides a survey of evolutionary/ecological concepts in biology as well as teaches students fundamental skills and laboratory methods in science..

Course objectives:

1. Utilize the scientific method.
2. Develop an understanding of the role of evolutionary theory and its relation to biological diversity.
3. Explore the physical, morphological, and physiological characteristics of living organisms.
4. Enhance critical thinking skills.

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

Attendance/participation @ 5 pts/lab	50
~9 Quizzes @ 10 pts each	90
3 Lab practicals @ 100 pts each	300
~10 Lab Write-ups @ 20 pts each	200
Animal Report	75
Animal Presentation	25
Total Credit	740 points

Attendance: Attendance points are awarded at the beginning of the class period based on the assigned seating chart. Students missing more than three labs will be dropped from the class per university policy and receive an F in the course. Students are required to attend the lab section they have registered for and will be marked absent for attending any other section or not sitting in their assigned seat. Attendance can only be made up with a university approved excuse (i.e. doctor's note, note from a coach, note from the university). If you are missing class due to a COVID exposure, we must receive a notification from the university in order for you to receive your points. If you miss class, it is your responsibility to remain up to date with the course material online.

Participation: Participation points are awarded at the end of the lab period. These points are obtained by staying until the end of your scheduled lab period and demonstrating your knowledge of that week's material before leaving class. This includes answering questions in class and actively paying attention during lab activities.

Quizzes: Weekly quizzes over the coming week's material will be given online. These quizzes will be based on the week's lab activity and any lab material posted on Blackboard before class and are meant to prepare you for the lab activities for the week. These quizzes are worth 10 points each. Quizzes will open on the Wednesday before the lab and will close on the Tuesday before lab at 12pm.

Lab practical exams: Each lab practical consists of approximately 50 short answer questions drawn from material covered in lab. These will be given in person when possible.

Lab Write-ups: Lab write ups will be turned in for 10 points a piece. These write ups will be a short report on any lab activities performed and will be due before the next lab period.

COVID-19 Response: Masks covering both nose and mouth will be required for all students during the entire lab period. Hand sanitizer stations are placed at all building entrances and students are encouraged to utilize them as well as proper handwashing at the sinks in the classroom. Social distancing is mandatory when possible.

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
Jan 19	The Scientific Method
Jan 26	Finding/Utilizing Scientific Literature
Feb 2	Natural Selection
Feb 9	Lab Practical #1
Feb 16	Phylogeny/Systematics
Feb 23	Microscopy, Bacteria, Protists
Mar 2	Plant/Fungi Diversity
Mar 9	***SPRING BREAK***
Mar 16	Plant Anatomy
Mar 23	Lab Practical #2
Mar 30	Animal Diversity/ Form and Function
April 6	Invertebrates
Apr 13	Vertebrates
Apr 20	Animal Papers/Presentations Due
Apr 27	Exam 3