

## GENERAL BOTANY 1 LAB (BIOL 1111) – SYLLABUS – FALL 2021

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### Tentative Schedule:

Aug 25	NO LAB
Sep 1	Lab 1 Planting and Plant Diversity
Sept 8	Lab 2 The Cell and Cellular Replication
Sept 15	Lab 3 Roots and Primary Growth
Sept 22	Lab 4 Stems and Secondary Growth
Sept 29	Lab 5 Leaves
Oct 6	LAB PRACTICAL (ASSIGNED TIMES)
Oct 13	Lab 6 Classification
Oct 20	Lab 7 Bacteria, Fungi, and Algae
Oct 27	Lab 8 Non-Vascular Plants
Nov 3	Lab 9 Seedless Vascular Plants
Nov 10	Lab 10 Vascular Seed Plants: Gymnosperms
Nov 12	LAST DAY TO DROP WITH A W
Nov 17	Lab 11 Vascular Seed Plants: Angiosperms (Flowers)
Nov 24	THANKSGIVING BREAK (NO LABS)
Dec 1	Lab 12 Vascular Seed Plants: Angiosperms (Fruit)
Dec 8	FINAL

**Grading:** The final grade is determined by the total points gained by the total points possible and the scale below. There will be no deviation from this scale:

Grading Scale (percent of total points): A: 90-100; B: 80-89; C: 70-79; D: 60-69; F: 59 and lower.

- Lab Report @ 50 points
- 10 Quizzes @ 100 pts
- Midterm and Final @ 50 points each
- Total = 200 points

## Learning Objectives

1. The student will be able to demonstrate an understanding of basic biological concepts, including but not limited to the makeup of biological molecules, cell structures and functions, the structural hierarchy and physiological processes of living organisms; plant evolution via natural selection, taxonomy, and plant life cycles.
2. The student will be taught how to utilize the general and specialized knowledge learned in this class in various subdisciplines of applied plant sciences including but not limited to agronomy, forestry, floriculture, floristics, systematics, plant propagation, fruit and vegetable culture, landscape design, ecology and natural resource management, and others that involve specialized field techniques.
3. The student will be able to demonstrate effective knowledge on the role plants have had throughout the course of geologic history as well as the vast significance they have in both our modern economy and ecology.
4. The student will be able taught how to grow plants in a laboratory setting as well as how to collect, analyze, and interpret results gathered through observation and experimentation. The student will also be taught how to organize this data and information in the standard format of most scientific journals.

***SRSU Disability Services.*** SRSU Disability Services. Sul Ross State University (SRSU) is committed to equal access in compliance with Americans with Disabilities Act of 1973. It is SRSU policy to provide reasonable accommodations to students with documented disabilities. It is the student's responsibility to initiate a request each semester for each class. Students seeking accessibility/accommodations services must contact Rebecca Greathouse Wren, LPC-S, SRSU's Accessibility Services Coordinator at 432-837-8203 (please leave a message and we'll get back to you as soon as we can during working hours), or email [rebecca.wren@sulross.edu](mailto:rebecca.wren@sulross.edu). Our office is located on the first floor of Ferguson Hall (Suite 112), and our mailing address is P.O. Box C-122, SUI Ross State University, Alpine. Texas, 79832.

***Technical Support.*** SRSU 24/7 Blackboard Technical Support: Toll Free: 888.837.6055.

Email: [blackboardsupport@sulross.edu](mailto:blackboardsupport@sulross.edu)

### ***SRSU Library Services.***

The Bryan Wildenthal Memorial Library in Alpine offers FREE resources and services to the entire SRSU community. Access and borrow books, articles, and more by visiting the library's website, [library.sulross.edu](http://library.sulross.edu). Off-campus access requires your LoboID and password. Check out materials using your photo ID. Librarians are a tremendous resource for your coursework and can be reached in person, by email ([srsulibrary@sulross.edu](mailto:srsulibrary@sulross.edu)), or phone (432-837-8123).

The Southwest Texas Junior College (SWTJC) Libraries at Uvalde, Del Rio, and Eagle Pass.

Offer additional access to library spaces and resources. Del Rio, Eagle Pass, and Uvalde students may also use online resources available through SWTJC website, <https://library.swtjc.edu>. The SWTJC Libraries serve as pick-up locations for InterLibrary Loan (ILL) and Document Delivery from the Alpine campus.

### **Classroom Climate of Respect**

Importantly, this class will foster free expression, critical investigation, and the open discussion of ideas. This means that all of us must help create and sustain an atmosphere of tolerance, civility, and respect for the viewpoints of others. Similarly, we must all learn how to probe, oppose and disagree without resorting to tactics of intimidation, harassment, or personal attack. No one is entitled to harass, belittle, or discriminate against another on the basis of race, religion, ethnicity, age, gender, national origin, or sexual preference. Still we will not be silenced by the difficulty of fruitfully discussing politically sensitive issues.

### **Diversity Statement**

"I aim to create a learning environment for my students that supports a diversity of thoughts, perspectives and experiences, and honors your identities (including race, gender, class, sexuality, religion, ability, socioeconomic class, age, nationality, etc.). I also understand that the crisis of COVID, economic disparity, and health concerns, or even unexpected life events could impact the conditions necessary for you to succeed. My commitment is to be there for you and help you meet the learning objectives of this course. I do this to demonstrate my commitment to you and to the mission of Sul Ross State University to create an inclusive environment and care for the whole student as part of the Sul Ross Familia. If you feel like your performance in the class is being impacted by your experiences outside of class, please don't hesitate to come and talk with me. I want to be a resource for you."