

SUL ROSS STATE UNIVERSITY – GENERAL BOTANY 1311 – SUMMER II 2021

Professor: Jeff Keeling

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Office Hours: by appointment

Class hours: MTWRF 10:00 – 11:40 a.m.

Text: Biology of Plants, 8th Ed.; Raven, Evert, and Eichhorn (Recommended)

Course Outline:

Week #	Subject
1 7/7 - 7/16	Introduction to Biology/Botany; Subdisciplines; Building Blocks of Life; Cellular Structure, Function, and Cycle; DNA structure and replication. TEST #1 on Mon. 7/19
2 7/19 - 7/23	Protein Synthesis; Plant Anatomy and Morphology (Roots, Stems, Leaves); Plant Physiology – Photosynthesis, Aerobic Respiration, Water and Sugar Transport. TEST #2 on Mon. 7/26
3 7/26 - 7/30	Taxonomy and Systematics; Alternation of Generations Part I: Non-vascular Plants (Bryophytes). TEST #3 on Mon. 8/2
4 8/2 – 8/6	Alternation of Generations Part II: Seedless Vascular Plants (Ferns and Fern Allies), Seed Vascular Plants (Gymnosperms and Angiosperms); Flower and Fruit Morphology; Role of Plants in Ecology. TEST #4 on Mon. 8/9

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.

Class Organization:

1. Roll will be taken during each class meeting. The SRSU catalog states “The instructor may, at his discretion, drop a student from a course when the student has a total of nine absences. An absence is defined as non-attendance in fifty minutes of class. Nonattendance in a one and one-half hour class will constitute one and one-half absences.” **RULE TO LIVE BY: DON’T MISS ANY CLASSES!**
2. Cheating on any exam or assignment will result in an F for that material and possible expulsion from the class with a grade of F.
3. Missed exam policy: No make-up exams will be provided for an unexplained missed exam. If you miss an exam without an excused absence, you will receive a score of 0 for that exam. Make-up exams will be provided for any authorized missed exams, but must be completed within one week of the original exam date.
5. It is Sul Ross State University Policy to provide reasonable accommodation to students with disabilities. If you would like to request such accommodations because of physical, mental, or learning disability, please contact the ADA Coordinator for Program Accessibility.

Grades:

Weekly Tests EVERY Monday except 7/12) : 4 Tests @ appx. 75 points each

Grade assignment: <60% = F; 60-69% = D; 70-79% = C; 80-89% = B; 90-100% = A

SRSU LIBRARY SERVICES: The Sul Ross Library 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. 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), or phone (432-837-8123).

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. Our office is located on the first floor of Ferguson Hall (Suite 112), and our mailing address is P.O. Box C-122, Sul Ross State University, Alpine, Texas, 79832