

GENERAL BOTANY LAB (BIOL 1111) – SYLLABUS – SPRING 2019

Lab Instructors: Eli Duarte
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Office Hours: Duarte: M: 9:00 – 10:00 a.m.; Tu: 9:00 – 11:00 a.m.; W: 9:00 – 10:00 a.m.;
Th: 9:00– 11:00 a.m.

Gonzales: M: 10:00 – 11:00 a.m., 12:00 – 2:00 p.m.; Tu: 11:00 – 2:00 p.m.

Text: Zech, J. C. and A. M. Powell. 2016. *Discover the Chihuahuan Desert: General Botany. A Laboratory Manual For Biology 1111*, 3rd Edition. Sul Ross State University, Alpine, TX.

Schedule:

Jan 30/31	Lab 1: Planting and Plant Diversity
Feb 6/7	Lab 2: The Cell and Cellular Replication
Feb 13/14	Lab 3: Roots: Primary Growth
Feb 20/21	PRACTICAL EXAM (Assigned Lab Times)
Feb 27/28	Lab 4: Stems: Primary and Secondary Growth
Mar 6/7	Lab 5: Leaves (Lab Report Introduction Draft Due)
Mar 13/14	Lab 6: Classification
Mar 20/21	NO LAB SPRING BREAK
Mar 27/28	PRACTICAL EXAM (Assigned Lab Times, Material/Methods Draft Due)
Apr 3/4	Lab 8: Non-Vascular Plants
Apr 10/11	Lab 9: Seedless Vascular Plants (Results/Discussion Draft Due)
Apr 12	LAST DAY TO DROP WITH A W
Apr 17/18	Lab 10: Vascular Seed Plants (VSP): Gymnosperms
Apr 24/25	Lab 11 VSP: Angiosperm Flowers and Fruits (FINAL LAB REPORT DUE)
May 1/2	PRACTICAL EXAM (Final, Assigned Lab Times)
May 8/9	NO LAB

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.

- Three Practical Exams @ 50 points each = 150 points
- Lab Report 50 pts
- Total 200 pts

Attendance: Attendance is highly recommended to do well in this course. Labs cannot be repeated after the last section on Thursday. If it's necessary to attend another section, please contact your instructor before lab to ensure space is available. Practical Exams must be taken on their scheduled dates with very few exceptions.

Labs meet every week in WSB 206: Lab 1: Weds 1-2:50; Lab 2: Wed 3-4:50; Lab 3: Weds 7-8:50; Lab 4: Thurs 2-3:50; and Lab 5: Thurs 4-5:50.

Rules: NO CHILDREN; NO CHEATING (UNIVERSITY POLICY); NO FOOD OR BEVERAGES; NO TOBACCO; NO HEADPHONES; NO FEET ON THE FURNITURE; NO CELLPHONES; NO EXTRA TIME FOR EXAMS IF YOU ARE LATE.

STUDENT LEARNING OUTCOMES:

- The student will be able to demonstrate an understanding of basic biological concepts, including but not limited to evolution via natural selection, cell theory, and the role and function of DNA.
- The student will be able to demonstrate utilization of various field techniques toward addressing scientific questions in the specific discipline. These field techniques can include, but are not limited to, plant collection and processing, various animal collection techniques, ecological surveying and sampling, and biodiversity indexing.
- The student will be able to use biological instrumentation to solve biological problems using standard observational strategies.
- The student will develop writing skills by summarizing and critiquing recent relevant biological literature.

DISABILITIES INFORMATION: QUALIFIED STUDENTS WITH DISABILITIES NEEDING ACADEMIC OR OTHER ACCOMODATIONS TO ENSURE FULL PARTICIPATION IN THE PROGRAMS, SERVICES AND ACTIVITIES AT SRSU. SHOULD CONTACT COUNSELING AND ACCESSIBILITY SERVICES, 112 FERGUSON HALL, BOX C-122, 432-837-8203

ACADEMIC HONESTY: The University expects all students to engage in all academic pursuits in a manner that is beyond reproach and to maintain complete honesty and integrity in the academic experiences both in and out of their classroom. The University may initiate disciplinary proceeding against a student accused of any form of academic dishonesty, including but not limited to, cheating on an examination or other academic work, plagiarism, collusion, and the abuse of resource materials. "Cheating" includes 1. Copying from another student's test paper, laboratory report, other report, or computer files, data, listings, and/or programs, or allowing another student to copy from same. 2. Using, during a test, materials not authorized by the person giving the test. 3. Collaborating, without authorization, using, buying, selling, stealing, transporting, soliciting, copying, or possessing, in whole or in part, the contents of a non-administered test. 4. Substituting for another student; permitting any other person, or otherwise assisting any other person to substitute for oneself or for another student in the taking of an examination or test or the preparation of academic work to be submitted for academic credit. 5. Bribing another person to obtain a non-administered test or information about a non-administered test. 6. Purchasing, or otherwise acquiring and submitting as one's own work any research paper or other writing assignment prepared by an individual or firm. This section does not apply to the typing of a rough and/or final version of an assignment by a professional typist. 7. "Plagiarism" means the appropriation and the unacknowledged incorporation of another's work or idea in one's own written work offered for credit. 8. "Collusion" means the unauthorized collaboration with another person in preparing written work offered for credit. 9. "Abuse of resource materials" means the mutilation, destruction, concealment, theft or alteration of materials provided to assist students in the mastery of course materials. 10. "Academic work" means the preparation of an essay dissertation, thesis, report, problem, assignment, or other project that the student submits as a course requirement or for a grade. 11. "Falsification of Data" means the representation, claim, or use of research, data, statistics, records, files, results, or information that is falsified, fabricated, fraudulently altered, or otherwise misappropriated or misrepresented. All academic dishonesty cases may be first considered and reviewed by the faculty member. If the faculty member believes that an academic penalty is necessary, he/she may assign a penalty but must notify the student of his/her right to appeal to the department chair, the dean and eventually, to the Provost and Vice President for Academic and Student Affairs before imposition of the penalty. At each step in the process, the student shall be entitled to written notice of the offence and/or of the administrative decision, an opportunity to respond, and an impartial disposition as to the merits of his/her case. The decision of the Provost and Vice President for Academic and Student Affairs shall be final.