

FIELD BOTANY BIOL 4607 and 5601- SUMMER 2017

Prof: Jim Zech; 218 WSB; 837-8114 or -8112 (Biology Office) or jzech@sulross.edu

TENTATIVE CLASS SCHEDULE:

WEEK ONE: SUBJECT/DESTINATION:

T: 7/6 Introduction, "The Adventure Begins!" - A LITERARY SURPRISE!
F: 7/7 Equipment Check and Clean

WEEK TWO:

M: 7/10 TRIP PREP
T: 7/11 -D- LARGEST OAK FOREST AND A REMOTE PINE
W: 7/12 Tree Morphology - SOME LOCAL SURPRISES!
T: 7/13 Tree Anatomy - SOME LOCAL SURPRISES!
F: 7/14 TEST HIKE WITH LOCAL SURPRISES AND A GREAT VIEW!

WEEK THREE: BUILD A TRIP!

M: 7/17 TRIP PREP
T: 7/18 -ON- CAVE CREEK — CAMPING
W: 7/19 -ON- CAVE CREEK SOUTH FORT, TRAVEL TO TUCSON - HOTEL
T: 7/20 -ON- TUCSON — Saguaro Forest; Doug-Fir Forest; Tree Ecology- HOTEL
F: 7/21 -D- RETURN TO ALPINE

WEEK FOUR:

M: 7/24 -ON- LIVERMORE - HIGH ELEVATION PINE & OAK — DORM/CAMPING
T: 7/25 -D- LIVERMORE - THE ASPENS AND BEYOND!
W: 7/26 TRIP PREP
T: 7/27 -ON- BIG BEND NATIONAL PARK - Kill It or Save It! & more! — CAMPING
F: 7/28 -D- BIG BEND NATIONAL PARK - A big FALL, TX Persimmon, & more!

WEEK FIVE:

M: 7/31 NO CLASS
T: 8/1 TRIP PREP
W: 8/2 -ON- TRAVEL EAST - LOST MAPLES & TREE PHYSIOLOGY --- HOTEL
T: 8/3 -ON- TRAV EST - SA BOT GARD, REALLY BIG PECAN, & PALMETTOS – HOTEL
F: 8/4 -D- TEXAS TRIBUTE & TRAVEL TO ALPINE

WEEK SIX:

M: 8/7 Label Preparation, Specimen Sorting - NOTEBOOKS ARE DUE!!!!
T: 8/8 Review - Study!
W: 8/9 Review - Study!
T: 8/10 Final Exam

ON = Over Night; D = Day Trip.

ARE YOU READY FOR AN ADVENTURE?

"*You have no dignity*", Daniel J. Crawford, Local Flora

INTRODUCTIONS; EXPECTATIONS; ABSENCES; BOOKS; WHAT YOU MIGHT NEED.....

GRADES:

POSITIVE POINTS:

- Notebook = 75 (undergrad)/100 (grad)
- Photo Collection = 75 (undergrad)/100 (grad)
- Final Exam = 200
- Extensive assignments (e.g., Kill It/Save It; Questions of the Day; Words of the Day; Literary Trees; Historical Trees; Royal Trees; Artistic Trees; Cinematic Trees; Musical Trees; Tree Books; Alpine City Trees; Ash Challenge; Species List; Ash and Oak Challenges; Debate; etc.): 10 (undergrad)/13 (grad) @ 10 points = 100 (undergrad)/130 (grad)

NEGATIVE POINTS:

- Failure to Wear Appropriate Field Clothing = 25 - points/violation
- Failure to Carry and/or Drink Sufficient Amounts of Water = 25 - points/violation
- Whining = 50 - points/violation
- Dangerous Behavior = 100 - points/violation

TOTAL POINTS = 450 (undergrad)/530 (grad)

Final grade is determined by the number of points gained divided by the total points possible, and applied to the scale below:

Standard Scale (90-100 = A; 80-89 = B; 79-70 = C; 69-60 = D; 59 – lower = F)
Exams and Quizzes.....

NOTEBOOK:

- ENTRIES ***EVERYDAY*** WE HAVE CLASS!
 - include what we/you did
 - where we/you did it
 - general impressions
 - what *amazed* you?
- EXTENSIVE NOTES (list of tree books; etc.)
- ALL HANDOUTS
- MAINTAIN LIST OF WORDS OF THE DAY WITH DEFINITIONS
- INCLUDE ALL ASSIGNMENTS (LITERARY, ARTISTIC, MUSICAL, CINEMATIC, ETC.)
- EXAMPLE PAGES OF PHOTO COLLECTION
- INCLUDE ANSWERS TO QUESTIONS OF THE DAY
- SINGLE PAGE WRITING ASSIGNMENTS (typed, double spaced, etc.)
- READ AND PARTICIPATE DURING PAPER DISCUSSIONS

BASICALLY, INCLUDE IT ALL!
GRAD WILL BE GRADED ON HIGHER QUALITY

PHOTO COLLECTION:

Photograph each species we cover (be sure to consider key identifiable features) and label each with scientific and common name. Organize in some manner (location, family, etc.). Include a portion of, printed within your notebook. Grad will be graded on higher quality.

NOS:

NO WHINING; NO WEAPONS; NO FEET ON THE FURNITURE; NO ALCOHOLIC BEVERAGES; NO ILLEGAL SUBSTANCES; NO TOBACCO; NO PERSONAL VEHICLES

Let's Eat!
Paperwork....

PROGRAM LEARNING OUTCOMES:

- Understanding and implementation of scientific methodology.
- Utilization of field techniques toward addressing scientific questions.
- Be able to utilize statistics toward the analysis of data within the discipline.
- Be able to effectively disseminate scientific findings using both written and oral communication.

COURSE OBJECTIVE:

- To gain knowledge about the taxonomy, morphology, physiology, anatomy, and ecology of trees and shrubs.
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DISABILITIES INFORMATION:

Qualified students with disabilities needing academic or other accommodations 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.