

**SUL ROSS STATE UNIVERSITY - DENDROLOGY - BIOL 4305  
FALL SEMESTER 2018**

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**Professor:** Jim Zech  
Office: 218 Warnock Science Building  
Phone: 432-837-8114  
**e-mail:** jzech@sulross.edu  
**Office Hours:** By appointment or MW: 9:30 – 11:00 A.M.; T: 9:30 – 11:30 A.M.

**Time and Place:** Web Delivered, Your Time and Place!

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**Suggested Text:** If local, A. M. Powell, *Trees and Shrubs of the Trans-Pecos Texas*  
**Required Equipment:** Forestry Suppliers Tangent Height Gauge (see below)

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**POINT DISTRIBUTION:**

**NOTE: POWERPOINT ASSIGNMENT ORDER AND DUE DATES ARE DIFFERENT!**

<b>ASSIGNMENT:</b>	<b>DATE DUE:</b>	<b>POINTS:</b>
Introduction/Contact Dr. Zech:	7 Sept	5
Perspective:	7 Sept	30
Word of the Day:	26 Sept	30
Question of the Day:	26 Sept	30
Tree Morphology:	26 Sept	50
Tree Anatomy:		
Secondary Growth:	10 Oct	50
Anomalous Secondary Growth:	10 Oct	20
Tree Physiology:	7 Nov	100
Tree Ecology:	10 Oct	10
Detour:		
Artistic Trees:	24 Oct	10
Cinamatic Trees:	24 Oct	10
Literary Trees:	24 Oct	10
Musical Trees:	24 Oct	10
Royal Trees:	24 Oct	10
Historical Trees:	24 Oct	10
Tree Focus:		
Redwood:	14 Nov	50
Gingko:	14 Nov	50
Detour: Choose One of Two	5 Dec	100
Field Guide:		
Collection:		

Research Paper:		
Kill Or Preserve?	5 Dec	100
<i>Tamarix aphylla</i>	5 Dec	50
The Survey:	14 Nov	100
Final	10 Dec, Available; 11 Dec, Due	100
<b>TOTAL POINTS:</b>		<b>= 935</b>

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**GRADING:** Your final grade in Dendrology will be determined by the total points you receive divided by the total points possible and the scale listed 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

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**ASSIGNMENTS:** Each assignment is self explanatory. While some may vary in the amount of time required, all should be submitted, typed, double spaced, standard font (12), standard margins (1"), paragraphs indented, spell checked, grammar checked, in writing embedded within or as an e-mail attachment to Dr. Zech (jzech@sulross.edu). Assignment due date varies and there may be multiple assignments due on a single date (see above and below). **NO LATE ASSIGNMENTS WILL BE ACCEPTED.** My best advice is don't delay! Complete assignments well before the due date, and don't even consider last minute!

**DETOURS:** A detour is a break from the current focus. It will contain additional information that may or may not include assignments (they will!).

**MATERIALS TO BORROW:** See Dr. Zech if you have chosen to complete a collection, and you may be able to borrow a plant press (numbers are limited).

**MATERIALS TO PURCHASE:** Tangent Height Gauges have been requested and should be available for purchase within the SRSU Bookstore. If not, you may order one at Forestry Suppliers ([www.forestry-suppliers.com](http://www.forestry-suppliers.com)). Just search Forestry Suppliers Tangent Height Gauge and/or Stock Number 36953. Be sure to order early to allow for delivery time and to insure completion of the assignment by its due date (see syllabus). You will also need a tape measure and may choose your favorite source (True Value!) for purchase.

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## IMPORTANT DATES:

***NOTE: POWERPOINT ASSIGNMENT ORDER AND DUE DATES ARE DIFFERENT!***

29 AUG: POWERPOINT AND SYLLABUS AVAILABLE

**7 SEPT: CONTACT AND PERSPECTIVE ARE DUE**

26 SEPT: WORD OF THE DAY, QUESTION OF THE DAY, AND TREE MORPHOLOGY ARE DUE

**10 OCT: SECONDARY GROWTH, ANOMALOUS SECONDARY GROWTH, AND TREE ECOLOGY ARE DUE**

24 OCT: ARTISTIC TREES, CINAMATIC TREES, LITERARY TREES, MUSICAL TREES, ROYAL TREES, AND HISTORICAL TREES ARE DUE

**7 NOV: TREE PHYSIOLOGY IS DUE**

14 NOV: TREE FOCUS: REDWOOD, TREE FOCUS GINKGO, AND THE SURVEY ARE DUE

**16 NOV: Last day to drop with a W**

5 DEC: LAST CLASS DAY; FIELD GUIDE OR COLLECTION, KILL OR PRESERVE PAPER, AND *TAMARIX APHYLLA* PAPER ARE DUE

**10 DEC: FINAL EXAM AVAILABLE**

**11 DEC: FINAL EXAM DUE**

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## RULES TO LIVE BY:

Don't plagiarize. Your words should be your own.

Don't just cut and paste from the internet.

Use citations for the material that you have used (format is your choice).

No team work, work alone.

The library and archive staff may not be asked to find answers to assignments.

Similar to exact assignments will receive zero points for all parties involved.

Watch those deadlines (see dates listed above)!

No late assignments will be accepted.

Anything that isn't clear, contact Dr. Zech ([jzech@sulross.edu](mailto:jzech@sulross.edu); 432-837-8114).

Announcements will be sent via e-mail and/or posted on Blackboard, get in the habit of checking both.

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## STUDENT LEARNING OUTCOMES:

SLO1 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.

SLO2 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.

SLO3 The student will be able to use biological instrumentation to solve biological problems using standard observational strategies.

SLO4 The student will develop writing skills by summarizing and critiquing recent relevant biological literature.

### **OBJECTIVES OF THIS COURSE:**

- To gain knowledge about the taxonomy, morphology, physiology, anatomy, and ecology of trees and shrubs.
  - To acquire a better understanding of how to complete a research paper.
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### **DISTANCE EDUCATION STATEMENT:**

Students enrolled in distance education courses have equal access to the university's academic support services, library resources, and instructional technology support. For more information about accessing these resources, visit the SRSU website. Students should submit online assignments through Blackboard or SRSU email (e-mail for Dendrology!), which require secure login information to verify students' identities and to protect students' information. The procedures for filing a student complaint are included in the student handbook. Students enrolled in distance education courses at Sul Ross are expected to adhere to all policies pertaining to academic honesty and appropriate student conduct, as described in the student handbook. Students in web-based courses must maintain appropriate equipment and software, according to the needs and requirements of the course, as outlined on the SRSU website.

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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 the Disability Services Coordinator, in Counseling and Prevention Services, Ferguson Hall 112, Box C-122, Alpine, TX 79832 (432-837-8203).