

TENTATIVE LECTURE AND FIELD TRIP SCHEDULE*

THE WOODY PLANTS

BIO 3263-001

****FALL 2007****

INSTRUCTOR: O.W. VAN AUKEN

Meeting time: Wed 1:00 - 5:30 PM Room: 2.01.40 SB (2.02.22 HSS)
 Instructor: Dr. O.W. Van Auken Office: 4.02.56 SB
 Office Hours: **MWF 9:00 - 10:00 AM or W 5:30 - 6:30 PM or by appointment**
 e-mail: oscar.vanauken@utsa.edu

Week	Date	Topic
1	8-22	Introduction, Procedures and Overview
2	8-29	The Biomes of Texas, Where are we going-Evolution, The Plant Kingdom, Morphology: Fruits and Flowers
3	9-5	Plant Morphology: Leaves; Preparation of Dry Mounts Families: Compositae **Field Trip: campus central-leaf collection
4	9-12	Plant Morphology: plant growth, Roots, Stems, Buds Families: Liliaceae Plantanaceae **Field Trip: campus central
5	9-19	Use of Keys Families: Oleaceae Cactaceae Caprifoliaceae Bignoniaceae Pineaceae Ebanaceae Taxodiaceae Cupressaceae **Field Trip: campus central
6	9-26	Families: Leguminosae Palmae Gramineae Fagaceae Salicaceae Garryaceae Juglandaceae Hamamelidaceae **Field Trip: campus east
7	10-3	Families: Malvaceae Rosaceae Verbenaceae Labiatae Ulmaceae Betulaceae Moraceae Berberidaceae **Field Trip: campus west

8	10-10	Families: Rubeaceae Boraginaceae Zygophyllaceae	Ephedraceae Chenopodiaceae Rutaceae
		**Field Trip: Edwards Plateau - Freidrich Park Turn in first ¼ of plant collection	
9	10-17	**Field Trip: Edwards Plateau – Edge Falls	
10	10-24	**Field Trip: Post Oak Savanna and South TX. Brushland	
11	10-31	Families: Anacardiaceae Aceraceae Meliaceae	Aquifoliaceae Scrophulariaceae Euphorbiaceae
12	11-7	**Field Trip: San Antonio Botanical Center-Piney woods Turn in second 1/4 of plant collection.	
13	11-14	Families: Tamaricaceae Cornaceae Rhamnaceae	Fouquieriaceae Solanaceae Vitaceae
14	11-21	Families: Plumbaginaceae Sapotaceae Sapindaceae	Ericaceae Tiliaceae Hippocastanaceae
		Turn in third 1/4 of plant collection.	
15	11-28	**Field Trip: Medina River or Rancho Dianna	
16	12-7	Friday - FINAL EXAM - 1:30 - 2:30 PM Turn in last fourth of plant collection.	

***PLEASE NOTE-SCHEDULE IS TENTATIVE AND MAY HAVE TO BE CHANGED BECAUSE OF WEATHER CONDITIONS.**

**** Field Trip - dress appropriately and bring proper equipment (see next page).**

Grading: Class grade will be based on three components:

1. **Quizzes** - There will be 10-14 short, mostly practical quizzes given at the first of the period. The lowest quiz grade will be dropped. If a quiz is missed, it will count as a zero. If a class is missed, it will count as a missed quiz and count as a zero. Quizzes will be worth 70% of the total grade, and they will be comprehensive.
2. **Final** - The final exam grade will count 15% and may not be dropped. It will be comprehensive.
3. **Plant Collection** - The plant collection will be worth 15% of your total grade. One hundred different, identified, mounted, dried, pressed plants will be turned in. One-

fourth of the collection will be turned by 10-10, one-fourth by 11-7, one-fourth by 11-21, and the last one-fourth by 12-7. Only native, woody plants may be used, no herbaceous plants, no succulents and no Cactaceae.

Plants must be dry (**NO CREDIT FOR WET PLANTS**), numbered consecutively (1-100), and a **cumulative list** including number, family and species **must be included** with the collection. **Ten points will be deducted if plants are not numbered and a list is not included.** Points for the collection will be given for technique, neatness, and correct identification. Technique and neatness will be worth 25% and correct identification will be worth 75% (25% for family, 25% for genus, 25% for species).

The three components of the grade will be added together and final letter grades will be assigned on the following basis:

90 - 100%	A	70 - 79%	C	Below 60%	F
80 - 89%	B	60 - 69%	D		











Field Trips: There will be eight to ten field trips and these will be part of the class period or all afternoon. Several of the trips will be shorter field trips near the end of the class period. These field trips will be on or near campus and will be announced in class. Field trips will proceed as indicated unless you are notified. The field trips will originate on Campus at a designated location at the beginning of the class unless specified differently. Be sure to wear appropriate clothing. A 5-10X magnifying glass, plastic zip-lock bags, teasing needles, field guides, and notebook will be needed.

All work must be original and independent.

BOOKS:

- Vines, Robert A. 1984. Trees of Central Texas. University of Texas Press, Austin, TX.
Zomlefer, W.B. 1994. Guide to Flowering Plant Families. The University of North Carolina Press, Chapel Hill, NC.
Powell, M. A. 1998. Trees and shrubs of trans-pecos and adjacent areas. University of Texas Press, Austin, TX.

Summary Class List

Record Number	Student Name	ID	Reg Status	Level	Credits	Grade Detail	
1	<u>Bedell, Roy T.</u>	@00723064	**Web Registered**	Undergraduate	3.000		
2	<u>Carty, Marcus A.</u>	@00692055	**Web Registered**	Undergraduate	3.000		
3	<u>Fuentes, Jesse</u>	@00585636	**Web Registered**	Undergraduate	3.000		
4	<u>Johnson, Victoria K.</u>	@00075859	**Web Registered**	Undergraduate	3.000		
5	<u>Ludke, Alicia A.</u>	@01001171	**Web Registered**	Undergraduate	3.000		
6	<u>Mayo, Robert K.</u>	@00712221	**Web Registered**	Undergraduate	3.000		
7	<u>Mochko, Jeffery A.</u>	@00568253	**Web Registered**	Undergraduate	3.000		
8	<u>Pedroza, Hector W.</u>	@01001629	**Web Registered**	Undergraduate	3.000		
9	<u>Perry, Anne A.</u>	@01014320	**Registered**	Undergraduate	3.000		
10	<u>Rodriguez, Yvette D.</u>	@00723909	**Web Registered**	Undergraduate	3.000		
11	<u>Rossi, Chanel</u>	@00800502	**Web Registered**	Undergraduate	3.000		
12	<u>Villarreal, Manue</u>						