

Instructor: Dr. Ed Schilling  
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Class Time: Monday –Thurs 9:00-12:30pm Place: 304 Hesler Biology Building

Textbook: "Guide to the Vascular Plants of Tennessee" (2015) by Tennessee Flora Committee  
 Required: Hand lens (10X) and Field Notebook (both might be purchased from UT bookstore)  
 Field Trips: Must wear closed toed shoes and long pants. (bring water, bug spray, and sunscreen)

## Syllabus

Date	Day	Topic
6/1	R	Introductory Material – Flowers, Leaf type & arrangement
6/5	M	Introductory Material - How to use Keys; first plants & plant families
6/6	T	Introductory Material – Continue keying, learning plant families
6/7	W	FIELD TRIP
6/8	R	Plant i.d. in class
6/12	M	FIELD TRIP
6/13	T	Plant i.d. in class
6/14	W	Plant i.d. in class
6/15	R	MIDTERM EXAM – 50 points
6/19	M	FIELD TRIP
6/20	T	Grasses, Sedges, Rushes
6/21	W	LIFE CYCLES - FERNS
6/22	R	LIFE CYCLES – GYMNOSPERMS
6/26	M	FIELD TRIP
6/27	T	LIFE CYCLES - FLOWERING PLANTS
6/28	W	Ag Campus – Trial Gardens
6/29	R	INVASIVE PLANTS; Notes from Nature Exercise
7/5	T	INVASIVE PLANTS FIELD EXERCISE – CAMPUS?
7/6	W	FINAL EXAM – 100 points

### Grading:

		TOTAL	250 points			
Quizzes	50 points		92%+	A	90-91%	A-
Participation	50 points		88-89%	B+	82-87%	B
Midterm Exam	50 points		78-79%	C+	70-77%	C
Final Exam	100 points		60-69%	D	0-59%	F
						80-81% B-

### Course Goals:

1. Learn how to identify plants using a key
2. Learn to identify about 100 plant species on sight
3. Learn to identify about 20 major plant families on sight
4. Become proficient at using a dissecting microscope to examine plants in detail
5. Become familiar with major groups of plants and be able to compare/contrast life cycles
6. Learn the common invasive plant species for eastern Tennessee

EEB 330 is part of the Connections Package "Biodiversity and Humans" in the College of Arts and Sciences curriculum. In this course, we study diversity of plants. This investigation will help us understand how biodiversity is explored and documented by humans; how biodiversity can be increased or decreased by human activity and environmental changes; and how changes in biodiversity affect human society and the natural world.