

WOODY PLANT ID and DENDROLOGY
Forestry 308 - FOR 308
Fall 2024
4 SH - STARS#: 84186

Instructor: Paul Blome
Office Phone: 298-1160
Office Hours: (KH201) M W 10-10:50am, T Th 12-12:50

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Last day to add course during open registration: 08/23/2024

Last day to add by permission or delete course: 08/30/2024

Last day to drop course: 10/27/2024

Prerequisite: FOR 200 or HORT 180 or permission of instructor

Course Meeting Times & Places:

Lecture: M-W 11-11:50am KH 201
Lab: T-TH 10-11:50am KH 201

No Required Textbook: Original Text: Textbook of Dendrology, (9th Edition - out of print) Harlow & Harrar

Reference resources: Forest Trees of Illinois, Mohlenbrock (State Department of Natural Resources)

- Burns, R. M. and B. H. Honkala (eds.). 1990. Silvics of North America, Volume 1, Conifers. U.S. Department of Agriculture, Forest Service, Agriculture Handbook 654, Washington, D.C. Pp. 675.
- Burns, R. and B. Honkala 1990. Silvics of North America, Volume 2, Hardwoods. Agricultural Handbook 654. U.S. Department of Agriculture, Forest Service, Washington, D. C. 877 p.
- Dirr, M. A. Manual of Woody Landscape Plants

Course Objectives: At the conclusion of this course the student will.....

- provide the student with tree and woody plant identification skills that will be useful professionally, and for private study and recreational enjoyment of landscapes and the outdoors.
- prepare students for *Identification and Selection* area of knowledge in the **ISA Certified Arborist Exam**
- identify over 150 tree and shrub species by their physiological characteristics
- learn important terminology used to describe different morphological features of woody plants
- be familiar with using an identification key to identify woody plants
- be familiar with common and scientific names of woody plants studied
- acquire knowledge of habitats and natural ranges of common, native, and introduced woody species in Illinois and NA (more focus will be on plants in the midwest because they are readily available)
- acquire knowledge of the relative importance of primary tree and shrub species regarding commercial, ecological and ornamental values

Course Content:

Lecture

- Taxonomic classification of trees
- Nomenclature relating to trees
- ID of common shrubs and related info
- **Basic introduction to palm trees in NA**
- Dendrology of Magnoliophyta (Angiosperms)
- Dendrology of Pinophyta (Gymnosperms)

Lab

- Tree morphology, Field identification of trees, shrubs & vines of the area.
- Most experiences on or near campus. Field trips may include trips to Spring Lake and Lake Argyle to ID and view some plants in a forested environment.

Distribution of Points for Course Grade:

2 exams: (100 pts each)	200 pts
Final: (Wed. Dec 11th at 10:00 – 11:50 AM KH 201)	100 pts
Lecture & ID Quizzes:	200 pts
Attendance	100 pts
Worksheet Assignments	150 pts
Leaf collection project	150 pts
Scientific Name Quizzes	100 pts

Grade Scale:

<60	60	63	67	70	73	77	80	83	87	90	93-100
F	D-	D	D+	C-	C	C+	B-	B	B+	A-	A

Attendance/ Participation:

You are expected to attend class and participate in discussions/activities. Attendance is part of your grade in the course.

- Excused absences will not be counted against the student's attendance credit. Excused absences include class trips and student competitions. Excused absences must be arranged ahead of time and be documented (activity, date, time, and list of participating students) by a faculty member who is requesting/requiring the absence.
- Perfect attendance will earn you a bonus 10pts (Attendance max. pts = 100 + 10).
- Understanding that illness and other situations may make perfect attendance difficult; you will be allowed to miss four classes (lectures and/or labs - equivalent of 1 week) without losing attendance points.
- 5th class missed and all missed classes after will result in the loss of attendance points. The penalty increases as the number of missed classes increases.
- If you leave lecture or lab before you are dismissed you will be counted as absent.
- If a student is going to miss a class, it is his/her responsibility to notify the appropriate faculty member in advance. **This must be done by utilizing the Online Absence Reporting System (OARS) at www.wiu.edu/oars** or by email, or text.
- It is the responsibility of the student to discuss the absence with the faculty member should the student desire to make up any academic work missed because of the absence.
- *ID quizzes cannot be made-up. see below.*

Lecture & ID Quizzes: (7-11 quizzes total). Each quiz will be graded with a percentage. **The lowest quiz will be dropped.** The average percent grade of the remaining quizzes will be multiplied by 200 for the points that count toward your Lecture & ID quiz grade. Some ID Quizzes are done in the field and cannot be made up if you miss it.

Exams/Final: Each exam is worth 100 points (300pts total). Exams will include material covered in lecture and lab. Final is not comprehensive. Details will be discussed closer to the time of each exam.

Study Guides: Worksheets assigned on Westernonline

Part of your grade will be based on filling out and turning in study guides that go along with the lectures. (150 pts total).

Leaf collection project: To become more familiar with details of leaves for ID purposes, you will be collecting and mounting leaves of 50 common tree species and 25 different shrub species. Details will be

described in lab. (150 pts) Your leaf project can be used for future reference. **Project will be due Thursday November 7th.**

Scientific Name Quizzes:

Below is a list of dates that you will have quizzes on scientific names. Learning/memorizing the scientific names of trees is important on a scientific and professional level. **Scientific name questions will be included on tests.** I have created packets of worksheets for you to practice memorizing common and scientific names of trees, their spelling and related family, genus and species. Each packet has a key. The combined quizzes will be part of your class grade (equal to a test, 100pts). The quizzes will begin at start of class and last only 10 minutes.

Sheet #s	Quiz dates
1-12	28-Aug
13-24	4-Sept
25-36	11-Sept
37-45	18-Sept
46-54	2-Oct
55-63	9-Oct
64-72	16-Oct
73-81	23-Oct
82-90	6-Nov
91-99	13-Nov

Attendance on dates of tests: Test dates will be announced in advance. If you have some conflict with the date and time of a scheduled exam, you must notify the instructor **before** the exam (preferably via OARS & e-mail). The instructor will determine if you will be allowed to reschedule the exam.

WIU ACADEMIC INTEGRITY POLICY:

See <http://www.wiu.edu/policies/acintegrity.php>

Comparing and/or consulting on quiz or exam answers; use of unauthorized notes or aids (phones, etc..) during quizzes and tests as well as other acts of "cheating" in class or in the field may result in failing grades; in extreme cases even course failure.

I encourage you to obtain help if you do not understand a topic or an assignment. I am available at most any time outside of my classes to assist you. Please see my office hours for scheduling appointments.

SMOKE-FREE CAMPUS POLICY:

<http://www.wiu.edu/policies/smokefree.php>

In accordance with (110 ILCS 64/) the Smoke-Free Campus Act, as of July 1, 2015 smoking is prohibited on all Campus Property at the University. This includes smokeless forms and vaporizing forms.

CELL PHONE POLICY: Cell phone use in class is not permitted unless specifically noted by instructor for a specific task. We may be exploring some tree ID phone apps in some of the labs. Cell phone/smart phone use is strictly prohibited on quizzes and exams. Cell phones are not allowed in place of calculators on tests/quizzes. In order to participate in the WIU Emergency Alert System you are allowed to have your cell phones set to a silent mode.

http://www.wiu.edu/vpas/risk_management_and_emergency_preparedness/wiu_emergency_alert_system/index.php

Professional Cell Phone Conduct: PLEASE DO NOT answer phone calls or send text messages during class!

MILITARY/VETERAN SUPPORT STATEMENT:

As a military-friendly institution, and in accordance with federal regulations and Illinois statutes, Western Illinois University has established policies and procedures to accommodate military service students. In addition to the supports available at WIU's Veterans Resource Center (www.wiu.edu/student_success/veterans / 309-298-3505), veterans, members of the National Guard or Reserves, and active-duty military personnel with military obligations (e.g., deployments, trainings, drill) are encouraged to communicate these, in advance whenever possible, to the instructor. The Military Service Policy can be found at <http://www.wiu.edu/policies/military.php>

STUDENTS WITH DISABILITIES:

In accordance with University values and disability law, students with disabilities may request academic accommodations where there are aspects of a course that result in barriers to inclusion or accurate assessment of achievement. To file an official request for disability-related accommodations, please contact Disability Resources in the Student Development and Success Center at 309-298-1884, disability@wiu.edu, or in 125 Memorial Hall. Please notify the instructor as soon as possible to ensure that this course is accessible to you in a timely manner.

TITLE IX:

University values, Title IX, and other federal and state laws prohibit sex discrimination, including sexual assault/misconduct, dating/domestic violence, and stalking. If you, or someone you know, has been the victim of any of these offenses, we encourage you to report this to the Title IX Coordinator at 309-298-1977 or anonymously online at: http://www.wiu.edu/equal_opportunity_and_access/report.php. If you disclose an incident to a faculty member, the faculty member must notify the Title IX Coordinator. The complete Discrimination, Harassment, and Sexual Misconduct policy is available at: <http://www.wiu.edu/policies/dhsm.php>.

ATTENTION EDUCATION MAJORS:

The changes within the Illinois State Teaching License requirements, students are required to receive a grade of a "C-" or better in this course in order to meet state requirements. With the university's +/- grading system, receiving a grade below a "C-" will require you to retake this course or find a substitute course to meet School of Agriculture graduation requirements.

NOTICES

Please be advised that **this syllabus is tentative**. We may or may not be able to address all of the content areas or stick with the anticipated number of field trips or exams. **Any deviations from the syllabus will be announced as soon as possible.**

Official University Policy Manual: <http://www.wiu.edu/policies/>

For information on all WIU policies for students contact the above website