

Woody Plants

PBIO-220

Call No. 11433.A01, 4cr, Summer-I 2008

INSTRUCTOR

Brian McCarthy
416 Porter Hall
T: 740-593-1615

E: mccarthy@ohio.edu

W: www.plantbio.ohiou.edu/epb/instruct/woody/woody.htm

TEACHING ASST.

Keith Gilland
kg548007@ohio.edu

OFFICE HOURS

by appointment

TEXTBOOK

Weeks, S. S., H. P. Weeks Jr., and G. R. Parker. 2005. Native Trees of the Midwest: Identification, Wildlife Values, and Landscaping Use. Purdue University Press, Indiana. (Available at bookstore, ca. \$50.)

ADDITIONAL REFERENCE

Apsley, D.K. and K.L. Smith. 2002. Leaf identification key to eighty-eight Ohio trees. Ohio State University Extension Service, Columbus, Ohio. <http://ohioline.osu.edu/b899/>

SCHEDULING

Lecture & Lab: M,T,W,Th 10:10-12:00, Meet in Porter 301

Saturday Field Trip: 9:00-5:00, July 12, Meet at lower Baker Center drop-off area (to Dawes Arboretum)

NOTE: Because we are doing a field trip on Saturday, July 12th we will *not* have class on Thursday July 3rd & 17th. This helps maintain the parity of number of hours. Exams these weeks will be on Wednesdays. However, as such, the Saturday field trip is *mandatory*. This field trip is integral to the course. Thus, you should plan well in advance for attendance. Failure to attend this field trip (for any reason) will result in the loss of one full letter grade.

Most classes will be run entirely in the field. The emphasis of this class is on field identification of woody plants. Species will be identified as encountered. Come prepared with appropriate attire for field conditions (long pants, closed-toe shoes, rainwear, drinking water, field pack, notebook, etc.). A hand lens and pocketknife are recommended.

EXAMS, ASSIGNMENTS, & GRADING

Weekly Exams (3) = 60%

Final Exam = 20% (Thursday, July 24)

Term paper = 20% (Monday, July 21)

Review sessions will be provided by KG
each evening before an exam (time TBD)

All exams are cumulative. The emphasis will be on species identification, but questions on morphology, ethnobotany, ecology, etc. may also appear. The final term paper is due Monday, July 21, 2008 (papers will be assigned a loss of 10% per day late). The term paper (5-6 pages [not including refs or figures], typed, double-spaced, 12 pt font, 1 inch margins) should focus on one Ohio woody species of your choice (*with approval of the instructor*) and highlight the taxonomy, identification, ecology, and uses of the species (a complete overview of the species). Provide complete citations and Literature Cited. No more than 25% are to be web citations.

ACADEMIC POLICIES (see Student Handbook)

Attendance: Students are expected to attend all classes; however, formal attendance will not be taken.

Dishonesty: Evidence of cheating or plagiarism will result in a grade of 0% for the assignment. Please be particularly careful when citing material in reports. I use a variety of web resources to detect

plagiarism. The university policies regarding the student code of conduct and academic integrity are clearly and completely summarized at: <http://www.cats.ohiou.edu/judiciaries/index.htm>.

COURSE GOALS & OBJECTIVES

1. To be able to identify ca. 100 of the most common trees, shrubs & vines common to Ohio.
2. To learn the basic morphology and anatomy of woody plants necessary for identification.
3. To become familiar with the natural history, ecology, and economic uses of Ohio woody plants.
4. To gain an enhanced understanding of print and web resources available for woody plant biology.