

SYLLABUS
URBAN TREES AND SHRUBS
FORESTRY 342 – Fall 2019

Instructor: Dr. Richard Hauer, Room 323 TNR, rhauer@uwsp.edu, 715-346-3642 (office)

Office Hours: Monday 8:00 – 8:50 am and Wednesday 8:00 – 9:50 am. Students are encouraged to schedule an appointment in case I am away due to scheduled or unscheduled conflicts. It is recommended that you seek assistance if needed.

Course Meeting Time and Location: The class meets Monday 9:00 – 10:50 pm (lab) and Wednesday 11:00 – 11:50 (lecture) in TNR 320.

Attendance: Did you know that students who attend class regularly do better, thus attendance in class is expected and nearly essential to master components of this course. Absence during an exam or lab quiz will result in a zero unless you make prior approval/arrangements. We will likely go outdoors everyday for class, so dress accordingly for the weather.

Learning Objectives: After completion of this class students will:

- 1) Be able to identify approximately 150 landscape plants from 35 plant families in urban and suburban landscapes.
- 2) Develop skills in landscape plant selection, culture, and use
- 3) Associate important biological and morphological characteristics with plants covered.
- 4) Develop skills in plant diagnosis through distinguishing normal from abnormal.
- 5) Create plant selection guidelines based on management objectives.

Grade Policy: Grades are based on exams, quizzes and the laboratory as follows:

| <u>Evaluation Area</u> | <u>% of Grade</u> |
|-----------------------------------|-------------------|
| Quizzes ¹ (12 quizzes) | 65% |
| Mid-term Exam | 15% |
| Final Exam | 20% |

¹ The lowest 2 quiz scores will be dropped

| <u>Mean Score</u> | <u>Letter Grade</u> | <u>Mean Score</u> | <u>Letter Grade</u> |
|-------------------|---------------------|-------------------|---------------------|
| 100 - 93 | A | 79 - 78 | C+ |
| 92 - 90 | A- | 77 - 73 | C |
| 89 - 88 | B+ | 72 - 70 | C- |
| 87 - 83 | B | 69 - 68 | D+ |
| 82 - 80 | B- | 67 - 60 | D |
| | | <60 | F |

Text and Readings: Dirr's Manual of Woody Landscape Plants and supplemental references form the basis of material to complement material presented in class.

Available at Text Rental

Dirr, M.A. 2009. Manual of Woody Landscape Plants, Sixth Edition. Stipes Publishing
Other topical readings will be distributed in class or placed on reserve in the LRC.

Course Location: Canvas Portal (<https://www.uwsp.edu/canvas/Pages/default.aspx>)

FORESTRY 342 (Urban Trees and Shrubs) – Fall 2019

Links for Tree and Shrub ID: The following website links are excellent resources for woody plant selection, use, and identification.

University of Connecticut <http://www.hort.uconn.edu/plants/>

Oregon State University Plants : <http://landscapeplants.oregonstate.edu/>

Minnesota DOT Plant Selector Program: <http://dotapp7.dot.state.mn.us/plant/>

Flora of Wisconsin: <http://wisflora.herbarium.wisc.edu/>

Dendrology Factsheets at Virginia Tech: <http://dendro.cnre.vt.edu/dendrology/factsheets.cfm>

Silvics of North America: https://www.srs.fs.usda.gov/pubs/misc/ag_654/table_of_contents.htm

Iowa State Extension Tree ID: http://www.extension.iastate.edu/forestry/iowa_trees/tree_id.html

USDA Plants Database : <http://plants.usda.gov/>

USDA Plant Hardiness Zone Map: <http://planthardiness.ars.usda.gov/PHZMWeb/>

Gymnosperm Database: <http://www.conifers.org/>

Tentative Course Schedule:

| <u>Week</u> | <u>Lab – Lec</u> | <u>Lab / Lecture Topic</u> |
|--------------------|-------------------------|--|
| 1 | (None – 9/4) | Introduction Angiosperms / Selection, Culture, and More |
| 2 | (9/9 – 9/11) | Angiosperms (Practice Quiz) / Selection, Culture, and More |
| 3 | (9/16 – 9/18) | Angiosperms (Quiz) / Selection, Culture, and More |
| 4 | (9/23 – 9/25) | Angiosperms (Quiz) / Selection, Culture, and More |
| 5 | (9/30 – 10/2) | Angiosperms (Quiz) / Selection, Culture, and More |
| 6 | (10/7 – 10/9) | No Formal Class / (Self-study Plants) |
| 7 | (10/14 – 10/16) | Angiosperms (Quiz) / No Formal Class (Self-study Plants) |
| 8 | (10/21 – 10/23) | Angiosperms (Quiz) / Selection, Culture, and More |
| 9 | (10/28 – 10/30) | Angiosperms (Quiz) / Selection, Culture, and More |
| 10 | (11/4 – 11/6) | No Formal Class / Mid-term Exam Complete |
| 11 | (11/11 – 11/13) | Angiosperms (Quiz) / Selection, Culture, and More |
| 12 | (11/18 – 11/20) | Gymnosperms (Quiz) / Selection, Culture, and More |
| 13 | (11/25 – 11/27) | Gymnosperms (Quiz) / Selection, Culture, and More |
| 14 | (12/2 – 12/4) | Gymnosperms (Quiz) / Selection, Culture, and More |
| 15 | (12/9 – 12/11) | Gymnosperms (Quiz) / Selection, Culture, and More (Quiz) |
| 16 | (12/19) | Final Exam , Thursday 2:45 pm – 4:45 pm |