Horticulture and Crop Science 3410: Sustainable Landscape Maintenance

Spring Semester, 2015


In a typical week, class will be held on either Tuesday or Thursday, though occasionally there will be classes on both days. The missing classes will be incorporated into three optional field trips, with the hope that students can make several or all of the field trips. The field trips are as follows:

**March 13-14:** Northeast Ohio field trip to Kingwood Center, OSU’s Secrest Arboretum, and green industry locations. Several lecture/discussions will be incorporated into these trips. Travel and lodging will be provided to students.

**April 10-11:** New York City field trip to the High Line Park, Central Park, the Staten Island Sustainable Landscape Park, and other locations. Travel and lodging will be provided to students.

**April 25:** Southeast Ohio field trip to view native plant vegetation. Travel will be provided to students.

**Final Exam:** Tuesday, April 23, during the last day of class.

**Instructors:**

Jim Chatfield, 330-466-0270, 330-263-3831, chatfield.1@osu.edu, FAX = 330-263-3667

OSU Extension Nursery Landscape and Turf Team guest instructors

Ohio Green Industry guest instructors

Students and instructors in a learning environment

**Course Specifics:**

1. There are no textbooks. There will be some readings that will be fair game for tests, and these will be put on Carmen or handed out. Several readings will be provided to students. These include:

   A.) *A Sand County Almanac* – Aldo Leopold

   B). *Landscaping With Trees in the Midwest* – Scott Zanon

   C). Numerous fact sheets and trade publication articles authored by instructors.

2. Attendance will be factored into the grade for the course, since class participation will count.
3. There will be one midterm exam and one final exam. Dates are as follows:

Midterm: March 12

Final: April 23 (the last day of class)

The final will be comprehensive, though primarily focused on the class sessions between the midterm and the final exam.

4. Extra credit is available on a case-by-case basis.

**Course Topics:**

Perspectives in Sustainability: The Nature of Nurture
Know Thy Plants: The Simple Science of Plant Selection?
The Fun and Function of Plant Names
Secrets of the Soil
Proper Planting Practices
The Purposes of Pruning
Mulching, Irrigation, Fertilization
Lawn Care Maintenance
Integrated Plant Health Care
The Twenty Questions of Plant Diagnostics
The Pervasiveness of Invasiveness
Green Roofs, LEED and…
The Sustainable Green Industry