

550:238 Landscape Management and Maintenance

Department of Landscape Architecture

RUTGERS – The State University of New Jersey

School of Biological and Environmental Sciences Spring 2015

Course Information:

Course Credits: 3

Instructor: Bruce Crawford
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Office hours: By arrangement

Schedule: Thursday 9:15 p.m. - 12:15 p.m.

This course is required for all Landscape Industry students and is open to all interested students including landscape architecture and horticulture/plant science majors.

Class Description:

The course will cover a broad spectrum of landscape management and maintenance issues within the lectures and lab exercises. Lab exercises will take place either at the Rutgers Display Gardens or at satellite sites throughout NJ and will consist of hands-on maintenance activities discussed in the associated lecture. Outside professionals will provide information on many of the current maintenance standards, associated regulations and sustainability procedures, practices and trends in the green industry profession.

Learning Objectives:

Increase technical and practical knowledge on all phases of the landscape maintenance industry. Provide a foundation in an array of areas of knowledge that are fundamental to the successful landscape maintenance professional. It is hoped that the exposure to a broad spectrum of landscape management and maintenance topics will assist students in selecting specific areas of interest for professional specialization and/or continued educational pursuits.

Assignment of Grades:

The final grades will be based on the following percentages:

Mid-term: 30%; Final: 35%; Pruning Test: 15%; Attendance/Class Participation: 10%;

Paper: 10% (the paper will focus upon one topic that was of particular interest. Text needs to be Times New Roman, Font Size 12, double spaced, 3 pages long), paper is due on April 23.

Required Tool: Felco #2 Hand Pruners

There is no required text; lecture material will be used as the basis for the written tests. A practical lab pruning test will take place during the semester.

Lecture and Lab Schedule:

<u>Date</u>	<u>Subject</u>
January 22	Lecture: Introduction, Pruning
January 29	Lecture: Soils Tour: Soil Testing Lab, RU Administration Bd. II
February 5	Lecture: University Campus Maintenance Issues: James Erdogdu, Facilities and Grounds Lab: Bartlett Tree - Arborculture
February 11	NJ Flower Show: Assist with NJ Garden Club exhibit space set up
February 12	Lab: Bartlett Tree - Arborculture
February 16	Insect Ornamental Plants: Maintenance Issues Lab: Pruning; Display Gardens
February 26	Lecture: Pests and Integrated Pest Management Lab: Pruning; Display Gardens
March 5	Lecture: Plant Diseases Lab: Pruning; Display Gardens
March 12	Lecture: Mid-Term Test
March 14-22	Spring Break
March 26	Lab: Ball and Burlapping, Specifications and Plant Standards
April 2	Lecture: NJNLA Executive Director: Insurance/State Regulations Lab: Pruning Field Test
April 9	Lecture: Dr. Neil Hendrickson, Bartlett Tree
April 16	Lab: Recycling yard at Vollers
April 23	Lab: Planting Rhododendron Garden
April 30	Lecture: Lawns, Turf Grasses Lab: Weeds and Invasive Plants in Rutgers Gardens
May TBA	Final Exam

Attendance:

The Department of Landscape Architecture requires attendance in all of its classes. The individual's development as a landscape architect/landscape industry student is largely dependent upon two aspects of education. First is the exposure to and assimilation of a body of information which relates to the field. Second is the application of this knowledge through lab assignments and problem-solving skills developed through critiques, reviews and interactions during each assignment. The Rutgers Landscape Architecture/Landscape Industry curriculum is designed to develop both areas. Attendance and participation in all

lectures and labs are essential if the student is to achieve his/her maximum potential. **More than three unexcused absences will result in a step reduction in your semester grade. Each additional three absences will result in another step reduction.** A minimum level of participation is defined as being in attendance for the entire duration of a class session. It is the student's responsibility to be in attendance at all required classes and all personal plans should be made in accordance with the schedule. Students on academic probation have no allowable unexcused absences. Your attendance at lectures, labs and field trips is mandatory for the entire duration of the session.

Assignment of Grades:

The following guideline is used for the grading in this course:

A (90-100): Outstanding –not only fulfilling the requirements, but going beyond the initial expectations of the class. Demonstrate a superior grasp of the subject matter.

B (80 < 90): Very Good – demonstrate a solid grasp of the material. The lab and in-class performance reveals a solid understanding of the issues.

C (70 < 80): Acceptable –moderate ability to grasp concepts and theories of the class, producing work that, while basically adequate, is not in any way exceptional. Display only a basic familiarity with the relevant class information and techniques.

D (60 < 70): Unacceptable – a very minimal understanding of the fundamental nature of the class with a performance that does not adequately express an understanding of the course material or techniques.

F (< 60): Failure – The student has demonstrated a lack of understanding or familiarity with course concepts and materials. Class performance has been inadequate, often the result of limited effort and poor attendance.

Use of Facilities:

Lecture and lab work cannot be taught without reliable facilities. But your use of the facilities is dependent upon responsible use with particular regard to the clearly established rules about their use as specified in the student handbook:

http://landarch.rutgers.edu/current_students/student%20handbook/StudentHandbook_web_SectI.pdf. These rules cover access to Blake Hall, vandalism, table assignments, personalization of work space, smoking and drinking, use of the lockers, access to the reference collection, and basic rules governing the use of the computer lab. Failure to observe rules may result in loss of access.

Equipment:

The student handbook also includes a section governing the use of equipment:

http://landarch.rutgers.edu/current_students/student%20handbook/StudentHandbook_web_SectII.pdf. This section includes rules specifying the use of department equipment including projection equipment, department cameras, and drafting equipment.

Work Becomes Department Property:

Submitted drawings, models, photographs, or written papers for any project assigned in the Department of Landscape Architecture courses are considered the property of the Department and may be retained in its archives for exhibition and accreditation purposes. All projects will be graded and returned to the student at a location designated by the instructor. Should your work be retained by the Department, you will be given the opportunity to obtain a print or a photographic record of your work. **Department files are OFF LIMITS** to students.