

## **550:238 Landscape Management and Maintenance**

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Department of Landscape Architecture

RUTGERS – The State University of New Jersey

School of Biological and Environmental Sciences    Fall 2017

### **Course Information:**

Course Credits:        3

Instructor:            Rich Bartolone  
Blake Hall Room 223, Phone: 848-932-9036  
Cell: 732-710-9976  
E-mail: rbartolo@sebs.rutgers.edu  
Office hours: by arrangement

Schedule:              Tuesday 9:15 a.m. - 12:15 p.m.

Location:              148 Blake Hall and Rutgers Gardens

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 on the SEBS campus and consist of hands-on maintenance activities discussed in the associated lecture. Outside professionals will provide information on the current maintenance standards, associated regulations and sustainability procedures, practices and trends in the green industry profession.

### **Learning Objectives:**

- Increase technical knowledge on all phases of the landscape maintenance industry through class lectures and presentations.
- Develop practical skills required of maintenance professionals, including proper planting, pruning, plant division, lawn and meadow maintenance procedures through lab exercises.
- Expose students to a broad spectrum of landscape management and maintenance topics that will help students select specific areas of interest for their professional specialization and/or continued educational pursuits.

There is no required text. Lectures will be posted on the class sakai site and lecture material will be used as the basis for the midterm and final exams.

### **Lecture and Lab Schedule:**

<u>Date</u>	<u>Subject</u>
September 5	Lawns, Stone Work – Rutgers Gardens
September 12	Rain Gardens, Blake Hall Rain Garden
September 19	Rutgers Gardens: Plant Division, Planting and Transplanting
September 26	Weeds and Invasive Plants
October 3	Organic Lawn Care/ Best Management Practices
October 10	Insect Pests
October 17	Mid-term Exam
October 24	Meadows, IFNH Meadow Maintenance
October 31	Tree Maintenance - Pruning and Removal
November 7	Student Research Criteria, Bulb Planting
November 14	Fernbrook Nursery Tour
November 21	Thursday classes
November 28	Landscape Contracting: Insurance/State Regulations

December 5	Winter Injury
December 12	Student Research Presentations
December 19	Final Exam 9:30 a.m. to 11:00 a.m.

Fernbrook Nursery, Chesterfield, NJ. Directions: NJ Turnpike, Exit 7 to Route 206 North. At second traffic light, turn right onto Route 545. Go 3 miles — Fernbrook is on the right.

### **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 final grades will be based on the following:

Mid-term: 35%, Final: 35%, Lab Activities: 20%, Research Paper and Presentation 10%.

### **Grade Guideline:**

**A (90-100):** Outstanding –not only fulfilling the requirements, but also 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\\_Sect1.pdf](http://landarch.rutgers.edu/current_students/student%20handbook/StudentHandbook_web_Sect1.pdf). These rules cover access to Blake Hall, vandalism, table assignments, personalization of workspace, 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.

The student handbook also includes a section governing the use of equipment: [http://landarch.rutgers.edu/current\\_students/student%20handbook/StudentHandbook\\_web\\_SectII.pdf](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.