



Syllabus

HRT 203 Turf Management

General Information

Date

June 28th, 2018

Author

Rochelle Smith

Department

Environmental Conservation and Horticulture

Course Prefix

HRT

Course Number

203

Course Title

Turf Management

Course Information

Credit Hours

3

Lecture Contact Hours

3

Lab Contact Hours

0

Other Contact Hours

0

Catalog Description

This course deals with grasses and grass varieties, cultural requirements of turf, establishment, mowing, dethatching, aerating, fertilizing, irrigation, and weed control.

Key Assessment

This course does not contain a Key Assessment for any programs

Prerequisites

None

Co-requisites

None

Grading Scheme

Letter

First Year Experience/Capstone Designation

This course DOES NOT satisfy the outcomes applicable for status as a FYE or Capstone.

SUNY General Education

This course is designated as satisfying a requirement in the following SUNY Gen Ed category

None

FLCC Values

Institutional Learning Outcomes Addressed by the Course

Critical Thinking
Global Concerns
Mathematics

Course Learning Outcomes

Course Learning Outcomes

1. Identify the various parts and characteristics of turf plants that facilitate the correct identification of grass species
2. Determine the correct species, mix, or blend of turf plants for a variety of use environmental or aesthetic conditions
3. Differentiate between similar, commonly used cool weather grasses used in residential, sport, and golf applications
4. Identify and describe the various methods of installation and establishment of turf
5. Examine the various tools and methods for maintenance of turf including mowing, watering, fertilizing and maintaining general health
6. Analyze a turf condition to determine if damage is evident and what the causal form of the damage including both common insects and diseases
7. Propose methods for treatment and for reducing future occurrence of the suspected causal form of damage to turf

Outline of Topics Covered

I. Introduction to turf career opportunities

- a. Titles & degree options
- b. Turf installation business opportunities
- c. Turf maintenance business opportunities

II. Turf Plants

- a. Monocots vs Dicots
- b. Turf morphology
- c. Warm season vs cool season plants

III. Sustainable Turf Management

- a. Sustainable plant choices & applications
- b. Sustainable water management
- c. Residential & Commercial turf vs sports turf

IV. Turf Installation

- a. Soils required for turf
- b. Installation options
- c. Establishment requirements, options and tools
- d. New turf fertilization requirements and limitations

V. Turf Maintenance

- a. Mowing requirements
- b. Mowing equipment
- c. Mowing safety
- d. Irrigation requirements
- e. Irrigation options

VI. Turf Management Problems

- a. Intro to pests and treatment options
- b. Insect pests of turf
- c. Management of Insect pests
- d. Diseases of turf
- e. Management of diseases

f. Weed pests of turf

g. Management of weeds

VII. Specialty turf equipment

a. Equipment demonstration

b. Application methods

c. Calibration

d. Resources