

### **HORT 2303 Introduction to Turfgrass Management**

**Catalog Description:** An introductory course in turfgrass management emphasizing turfgrass growth, adaptation, and management, methods for establishment, fertilization, mowing, cultivation, irrigation, and pest management are presented, and their impact on culture of lawns, golf courses, athletic fields, and other managed turf areas are discussed. Lecture three hours per week.

**Prerequisites:** None

**Credit hours/Contact hours/Load hours:** 3/3/3

**Target Audience/Transferability:** Anyone, including professionals and homeowners, who is interested in lawn care and maintenance, as well as landscaping and golf course maintenance.

**Student Learning Outcomes:** Students completing this course will

- Apply their knowledge to establishing turfgrasses for application to landscaping, erosion control, grazing land and residential and commercial lawns.
- Explain fertilizer, water and pest control needs of turfgrasses used in landscaping and other application.
- Describe the mowing requirements for different types of grasses used for residential and commercial applications.
- Recognize turf-related problems and recommend practices to remedy the situations.

**Topics:**

- Careers in the Turfgrass Industry
- Introduction to the Grasses
- Cool Season Grasses
- Warm Season Grasses
- Establishment of Turf Grasses
- Soil Testing and Soil Modification
- Fertilization and Mowing
- Irrigation
- Thatch, Cultivation and Topdressing
- Weed Control
- Turf Insects
- Turf Diseases
- Sports Field Management
- Sod Production
- Professional Lawn Care
- Golf Course Maintenance

**Forms of Assessment:** None