

Northwest Arkansas Community College
(Science and Mathematics Division)

Discipline Code

HORT

Course Number

2303

Course Title

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

3 credit hours

Contact hours

45 lecture contact hours

Load hours

3 load hours

Semesters Offered

On Demand

ACTS Equivalent

None

Grade Mode

A-F

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.

General Education Outcomes Supported

None.

Standard Practices

Topics list

- 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

Learning activities

- Courses must, at a minimum, cover the core learning outcomes for each topic.

Assessments

- Required forms of assessment include written examinations, and demonstration of understanding of the principles presented in lecture.

Grading guidelines

- A minimum of 70% of the grade must be proctored, supervised, or otherwise verified.

Revision Date

April 8, 2021