

SOUTHEAST COMMUNITY COLLEGE
COURSE SYLLABUS
ADVANCED TECHNOLOGIES & SKILLED TRADES
Horticulture & Turfgrass Management Program
Revision Date: November 2024

I. CATALOG DESCRIPTION

Course Number: HORT 2288
Course Title Golf and Sports Turf Management
Prerequisite(s): HORT1242, HORT2265

Catalog Description: Study of golf course management practices as they pertain to bunker, green, tee, and fairway construction, maintenance and upkeep, including mowing, fertilization, irrigation, pest management and equipment maintenance and operation.

Credit Hours: 3.0
Class Hours: 15
Lab Hours: 90
Total Contact Hours: Total of Class + Lab Hours 105

II. COURSE OBJECTIVES: *Course will:*

- a. Introduce the management techniques used on various components of the golf course.
- b. Demonstrate the management techniques used on golf courses throughout the Midwest.
- c. Students will gain experience painting athletic field.
- d. Students will learn to manage an athletic field.
- e. Students will learn how to properly layout various athletic fields.

III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES:

A. STUDENT LEARNING OUTCOMES: *Student will be able to:*

1. Develop a working knowledge of maintaining and supervising a golf course.
2. Understand and demonstrate the proper techniques of golf course fertilization, irrigation, bunker maintenance, pest control, equipment operation and upkeep, and tee, green, and fairway maintenance: including topdressing, aeration and removing thatch layers.
3. Understand the concepts of building and establishing a fairway, green, and tee.
4. Develop a working knowledge of changing cups and tee markers.
5. Understand the calibration of fertilizer and spraying equipment.

B. GENERAL EDUCATION LEARNING OUTCOMES

GELO #3: Critical Thinking & Problem Solving

Critical thinkers have the ability to evaluate a problem or assumption and determine an appropriate course of action. They use reason and evidence to make judgments and decisions. Critical thinking and problem-solving skills rank highly among employer expectations.

Outcomes:

- 1) Collect, identify, interpret and analyze data.
- 2) Synthesize information to arrive at reasoned solutions to problems.

IV. CONTENT/TOPICAL OUTLINE (*course outline may provide more detailed information*)

- A.** Mowing with a Reel Mower
- B.** Adjusting a Reel Mower
- C.** Techniques and Operation of a Topdresser
- D.** Techniques and Operation of an Aerator
- E.** Proper Techniques of Changing Cups and Tee Markers
- F.** Proper Fertilization Techniques on a Golf Course
- G.** Establishing a Golf Course Component
- H.** Maintenance and Operation of a Golf Course Irrigation System
- I.** Proper Application of Pesticides Used on Golf Courses
- J.** Bunker Installation and Maintenance
- K.** Employee Scheduling and Supervision

V. INSTRUCTIONAL MATERIALS

A. Required Text(s): Turf Management for Golf Courses, James B. Beard, 2nd Ed.

B. Other Resources:

Instructional and study materials will include class notes, handouts, operator manuals and other information.

VI. METHODS OF PRESENTATION/INSTRUCTION

Methods of presentation typically include a combination of the following:

- a. Methods will include, but are not limited to:
 - Lectures
 - Slide and Video Presentations
 - Research and Writing Assignments
 - Field Trips
 - Guest Speakers
- b. Laboratory and Field Assignments

VII. METHODS OF EVALUATION

- A. Methods of evaluation typically include a combination of the following:
- B. Quizzes, tests, and exams
- C. Management Decision Assignments
- D. Participation

SCC STANDARD GRADING SCALE POLICY:

A+ 95-100	C+ 75-79
A 90-94	C 70-74
B+ 85-89	D+ 65-69
B 80-84	D 60-64
	F Below 60

VIII. SPECIFIC COURSE REQUIREMENTS:

- a. Successful completion of all exams, projects, and assignments.
- b. Participation in class and class activities: including all field trips and operating all equipment.
- c. Utilization of all safety wear in lab activities.