SOUTHEAST COMMUNITY COLLEGE
COURSE SYLLABUS
TRANS-WELDING-AG
Horticulture & Turfgrass Management Program
Revision Date: August 2020
Syllabus Statements

I. CATALOG DESCRIPTION

Course Number: **HORT 2297**
Course Title **Advanced Golf Course Operations**
Prerequisite(s): HORT 2288

Catalog Description: This course will focus on teaching students applied turfgrass techniques used on golf courses and sports fields. Students will be immersed at the Beatrice Country Club where they will gain hands-on experience with the daily operation of an 18-hole private golf club.

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

II. COURSE OBJECTIVES: *Course will:*

a. The student will develop a working knowledge of maintaining and supervising a recreational turf facility
b. The student will gain knowledge in proper turfgrass fertilization.
c. The student will gain knowledge in proper turfgrass irrigation troubleshooting and maintenance.
d. Students will learn how to properly identify and treat turfgrass pest problems.
e. Students will learn how to operate all necessary turfgrass equipment to be successful in the industry.
f. Students will learn basic daily maintenance routines for all turfgrass equipment.
g. Students will learn how to implement various different cultural practices for turfgrass management.
h. The student will learn how to proper diagnose hot spots and dry spots on golf course greens.
i. Students will learn how to conduct the daily setup of a golf course.

III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES:

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

1. Students will be able to lead and direct small crews that are necessary for successful golf and sports turf management.
2. Students will be able to calibrate a fertilizer spreader and apply fertilizer based on the turfgrasses requirements.
3. Students will be able to identify parts of an irrigation head and irrigation problems.
4. Students will be able to properly maintain a golf course bunker up to USGA standards.
5. Students will be able to properly diagnose abiotic and biotic problems and treat for those issues.

6. Students will be competent in operating all required turfgrass equipment.
7. Students will be able to conduct small maintenance task on the turfgrass equipment, including but not limited to: sharpening blades, greasing, checking oil, checking filters, etc.
8. Students will be able to properly mow golf course fairways, greens, and tees.
9. Students will be able to properly execute various turfgrass cultural practices that benefit turfgrass health.
10. Students will be competent in using soil moisture TDR meters to identify irrigation and dry spot issues.

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) Synthesize information to arrive at reasoned solutions to problems.

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

- **A.** Mowing techniques
- **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 equipmenc.t. Utilization of all safety wear in lab activities.