

SOUTHEAST COMMUNITY COLLEGE
COURSE SYLLABUS
ADVANCED TECHNOLOGIES & SKILLED TRADES
Horticulture & Turfgrass Management Program
Revision Date: August 2020

I. CATALOG DESCRIPTION

Course Number: HORT 2281
Course Title Digital Landscape Design
Prerequisite(s): HORT1133, HORT2280

Catalog Description: An overview of creating and implementing digital landscape designs. Students will utilize a computer-based design program enhancing the elements, concepts, development and principles within landscape design.

Credit Hours: 2.0
Class Hours: 23
Lab Hours: 23
Total Contact Hours: Total of Class + Lab Hours 46

II. COURSE OBJECTIVES: *Course will:*

1. Provide comprehension utilizing the PRO Landscape & CAD Programs
2. Introduce creating a basic digital design and base plan
3. Introduce implementation of hardscapes within a design
4. Introduce implementation of plants, shrubs, mulch and grasses within a design
5. Introduce basic image editor for designs
6. Implement a professional proposal of a design

III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES:

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

1. Learn and apply hands on application of computer-based design programs
2. Create digital designs and base plans
3. Application of pavers, sidewalks and retaining walls to a design
4. Develop a design utilizing appropriate plants, shrubs, and placement
5. Obtain skills utilizing image editor for landscape designs
6. Create a professional proposal for digital designs

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.
- 3) Evaluate ideas presented in writing, medial, speech, or artistic presentations.
- 4) Evaluate the validity of arguments, alternatives, data, outcomes, and/or impacts of actions.
- 5) Acquire and integrate knowledge and construct relationships across disciplines.

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

- A. Overview of PRO Landscape and 3D CAD Files
- B. Creating a landscape design
- C. Create a base plan
- D. Design and implementation of a digital landscape
- E. Various techniques of landscaping using various color schemes
- F. Incorporate plant species into landscape designs
- G. Proposals

V. INSTRUCTIONAL MATERIALS

- A. **Required Text(s) :**): Landscaping Principles and Practices, 7th Edition; Ingels, Jack E.

VI. METHODS OF PRESENTATION/INSTRUCTION

Methods of presentation typically include a combination of the following:

- a. Methods will include, but are not limited to:
Lecture, laboratory assignments and tasks, slide and video presentations, research and writing assignments, field trips, and guest lectures and speakers.
- b. Lab activities

VII. METHODS OF EVALUATION

Methods of evaluation typically include a combination of the following:

- a. Quizzes, tests, and exams
- b. Skills project and exam
- c. Daily Evaluation
- d. Landscape Design Projects
- e. Participation (Horticulture Land Lab)

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. Completion of ALL projects and tasks in class