

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

I. CATALOG DESCRIPTION

Course Number: HORT 1130
Course Title Introduction to Horticulture
Prerequisite(s): None

Catalog Description: Introductory course designed to feature basic aspects and techniques of the horticulture industry. Emphasis will be placed on making the student aware of the different fields with the industry and the proper growing environment for indoor and outdoor horticulture crops.

Credit Hours: 3.0
Class Hours: 45
Lab Hours: -
Total Contact Hours: Total of Class + Lab Hours 45

II. COURSE OBJECTIVES: *Course will:*

- a. Understand how climate affects horticulture.
- b. Understand the basic parts of a flower
- c. Understand five physiological processes as they relate to plant growth.
- d. Understand botanical nomenclature as it relates to horticulture.
- e. Basic understanding of plants cultural requirements.
- f. Understand the different plant life cycles and stages of maturation.
- g. Understand the anatomy of a plant.
- h. Discuss the various division in the horticulture industry.
- i. Discuss the maintenance of various landscape plants.

III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES:

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

1. List and be able to distinguish between the four principal subdivisions of horticulture.
2. Locate the genus, specific epithet, and cultivar/variety in the scientific name of a plant.
3. List the main differences between monocot and dicot plants.
4. Distinguish and discuss elements and climatic factors of horticultural plant production and factors that affect crop decisions.
5. Be able to diagram basic vegetative and reproductive plant parts.
6. Identify the processes involved in plant growth and development and explain the sources.
7. Student shall be able to determine nutrient requirements, weed, insect, and disease controls for cultural crops.
8. Be able to identify and discuss various divisions in the horticulture industry.
9. Gain skills and knowledge to help become a viable employee in the industry.

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. Climate and Plant Growth
- B. Plant Growth and Development
- C. Botanical Nomenclature, Anatomy and Physiology
- D. Vegetable Gardening
- E. Growing Tree Fruits and Nuts
- F. Flower and Herb Gardening
- G. Landscape Planning and Installation
- H. Turf Management
- I. Growing Plants Indoors

V. INSTRUCTIONAL MATERIALS

A. Required Text(s): *Practical Horticulture*, 7th Edition; Rice, Laura Williams and Rice, Robert P. Jr.

B. Other Resources:

VI. METHODS OF PRESENTATION/INSTRUCTION

Methods of presentation typically include a combination of the following:

- a. Methods will include, but not limited to:

Lecture, laboratory assignment and tasks, slide and video presentations, research and writing assignments, field trips, and guest lectures and speakers.

- b. Lab activities

VII. METHODS OF EVALUATION

- A. Methods of evaluation typically include a combination of the following:
- B. Quizzes, tests, and exams
- C. Laboratory exercises
- D. Daily evaluation
- E. 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. Properly and safely operate all college tractors and equipment
- c. Utilize proper safety eye wear at all times in lab