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

I. CATALOG DESCRIPTION

Course Number: **HORT 1239**
Course Title Arboriculture
Prerequisite(s): None

Catalog Description: Introduction to the biology of trees, and their selection and placement in a landscaping design. Includes general tree maintenance including planting, pruning, fertilizing and damage repair.

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

II. COURSE OBJECTIVES: *Course will:*

1. Introduce and discuss the botanical parts of a tree.
2. Introduce the anatomy and functions of a normal, healthy tree.
3. Introduce the appropriate selection of trees given characteristics of a growing site.
4. Demonstrate the proper planting and post care of trees.
5. Introduce the logistics behind the need for pruning.
6. Demonstrate proper pruning techniques in a safe and efficient manner.

III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES:

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

1. Understand the function of plant parts and processes.
2. Demonstrate the techniques of proper tree maintenance including fertilization, and irrigation.
3. Understand the proper establishment and placement of trees into a landscape design, including the ability to identify several trees located on the Campus.
4. Understand the life cycles and controls of several tree insects and diseases.
5. Gain skills and knowledge of planting, staking and post-planting care techniques used in the industry.
6. Demonstrate the proper pruning techniques used in tree care.

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. Basic structure of trees and the processes of plant life.
B. Techniques of proper tree maintenance.
C. Proper establishment and placement of trees in the landscape.
D. Identification of certain trees by their common name.
E. Identification and controls of common tree insects and diseases.

V. INSTRUCTIONAL MATERIALS

A. Required Text(s): Pirone's Tree Maintenance, 7th ed., Hartman, Pirone and Sall
ISBN 0-19-511991-6

B. Other Resources: Instructional and study materials will include class notes, handouts, and other information.

VI. METHODS OF PRESENTATION/INSTRUCTION

A. Methods of presentation typically include a combination of the following:

a. Methods will include, but are not limited to:
   i. Lectures
   ii. Slide and Video Presentations
   iii. Research and Writing Assignments
   iv. Field Trips
   v. Guest Speakers

b. Laboratory or Field Assignments

VII. METHODS OF EVALUATION

A. Methods of evaluation typically include a combination of the following:
B. Quizzes, tests, and exams
C. Pest Written 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:

Successful completion of all exams, projects, and assignments.

a. Participation in class and class activities; including field trips.
b. Utilization of all safety wear in lab activities.