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

## I. CATALOG DESCRIPTION

**Course Number:** **HORT 1133**
**Course Title** Horticulture Plant Identification and Selection
**Prerequisite(s):** None

Study and identification of a variety of herbaceous horticulture plants used in landscape design, greenhouses, and nurseries in the Midwest.

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

## II. COURSE OBJECTIVES: *Course will:*

a. Introduce the botanical classification system and explain its importance and use in the horticulture industry.
b. Provide practice of identifying various ornamental grasses by their botanical and common name, based on their identifying characteristics.
c. Provide practice of identifying various herbaceous perennials by their botanical and common name, based on their identifying characteristics.
d. Provide practice of identifying various annuals by their botanical and common name, based on their identifying characteristics.
e. Provide practice of identifying various herbaceous plants including annuals, perennials and ornamental grasses by their botanical and common names based on identifying characteristics.
f. Present general growth habits of horticultural plants including bloom period, fall color, mature size etc. for Midwest landscapes.
g. Introduce the plants adaptability based on the USDA plant hardiness zones.
h. Present limitations the environment may place on the plants viability in Midwest landscapes.
i. Demonstrate how the plants can be used in various landscape situations.

## III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES:

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

1. Identify selected plants in the field based on the existing seasonal character, including texture, leaf size, bud arrangement and flower.
2. Recognize selected plants by botanical name (including correct spelling) and understand plant nomenclature.

3. Understand the growth habits and textures displayed by each plant and how the growth habit and textures relate to placing the plants.
4. Understand each plants mature size
5. Understand the microclimate each plant requires for optimum growing conditions.
6. Understand how a plants positive characteristics can be used to our advantage in the landscape.
7. Understand how a plants negative characteristics can impact a landscape.
8. Understand the pests and problems that can occur with each plant.
9. Understand the plants adaptability based on the USDA plant hardiness zone.

**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.** Identification and selection off woody trees and shrubs commonly found in the Midwest.
**B.** Identification and selection of annual plants.
**C.** Identification and selection of herbaceous perennials grown in Midwest.
**D.** Identification and selection of ornamental grasses grown in the Midwest.
**E.** Cultural requirements of trees, shrubs, herbaceous perennials, annuals and ornamental grasses commonly found in the Midwest.

## V. INSTRUCTIONAL MATERIALS

**A. Required Text(s):** Hort Plant ID (SCC Printers) no ISBN number.
Dirr's Encyclopedia of Trees and Shrubs Michael Dirr ISBN: 978-0-88192-901-0

**B. Other Resources:** Notebook for plant collection

## 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:
   Lectures
   Slide Presentations
   Field Trips

b. Laboratory and Field Assignments

## VII. METHODS OF EVALUATION

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

1. Methods will include, but are not limited to:
   - Lectures
   - Slide Presentations
   - Fields Trips

2 Laboratory and Field Assignments

**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.