

# SPED C078N: GREENHOUSE BASICS

Item	Value
Curriculum Committee Approval Date	04/28/2017
Top Code	010900 - Horticulture
Units	0 Total Units
Hours	40 Total Hours (Lecture Hours 20; Lab Hours 20)
Total Outside of Class Hours	0
Course Credit Status	Noncredit (N)
Material Fee	No
Basic Skills	Not Basic Skills (N)
Repeatable	Yes; Repeat Limit 99
Open Entry/Open Exit	No
Grading Policy	P/NP/SP Non-Credit (D)

## Course Description

Introductory course designed to develop identification skills, plant knowledge, and basic-care techniques used in personal and commercial greenhouses. Integrated field experience includes participation in propagation and care of seasonally appropriate landscaping elements. Noncredit. NOT DEGREE APPLICABLE. Not Transferable.

## Course Level Student Learning Outcome(s)

1. Accurately recall the basic care of specific greenhouse plants useful for work and leisure-time activities.
2. Successfully care for greenhouse plants by safely following multi-step directions and using appropriate tools correctly.

## Course Objectives

- 1. Follow multi-step directions.
- 2. Recognize, differentiate, and name typical traditional commercially grown greenhouse flora and related weed growth.
- 3. Demonstrate appropriate care and propagation of specific greenhouse plants.
- 4. Independently utilize typical greenhouse tools safely.
- 5. Complete multiple plant care tasks accurately, within a timely manner.
- 6. Clean up self and work area and compost organic materials following participation in a greenhouse activity.
- 7. Make use of greenhouse activities as a leisure-time activity.

## Lecture Content

Plant Identification Commercial Plants Weeds Garden Problems Pests: insects, nematodes -Problem Disease Small Mammals Pest Control Physical Biological Cultural Chemical Legal Best Practices and Safety Tool Identification Name Purpose Correct/Incorrect Use Safety Clothing Individual Plant Care Plant Types Greenhouse Floral Plantings Shrubs and Trees Commercial Vegetables/Fruit Plantings Propagation Soil Care, Water, Fertilizer Pruning Harvest/Removal Greenhouse Care Trash and Organic Clippings Removal Raking, Sweeping, Turning Soil Greenhouse

Care Survey and Report Safety and ADA Feature Concerns Community Stewardship

## Lab Content

Plant Identification Commercial Plants Weeds Garden Problems Pests: insects, nematodes -Problem Disease Small Mammals Pest Control Best Practices and Safety Tool Identification Name Purpose Correct/Incorrect Use Safety Clothing Individual Plant Care Plant Types Greenhouse Floral Plantings Shrubs and Trees Commercial Vegetables/Fruit Plantings Propagation Soil Care, Water, Fertilizer Pruning Harvest/Removal Greenhouse Care Trash and Organic Clippings Removal Raking, Sweeping, Turning Soil Greenhouse Care Survey and Report Safety and ADA Feature Concerns Community Stewardship

## Method(s) of Instruction

- Enhanced NC Lect (NC1)
- Enhanced NC Lab (NC2)
- Live Online Enhanced NC Lect (NC9)
- Live Online Enhanced NC Lab (NCA)

## Instructional Techniques

1. Lecture with illustrated slides and handouts
2. Discussion of important concepts, related issues
3. Demonstrations by the instructor, peers
4. Hands-on planting and care assignments
5. Guest Professional Speakers
6. Peer supported evaluation

## Reading Assignments

There are no reading assignments.

## Writing Assignments

There are no writing assignments.

## Out-of-class Assignments

Student will complete an out-of-class assignment directly related to course objectives and vocational information.

## Demonstration of Critical Thinking

Identify, label and solve a pest problem Differentiate between controlled environments (greenhouse) and uncontrolled (outdoors)

## Required Writing, Problem Solving, Skills Demonstration

The successful completion of a greenhouse project. Identify the best plants for a controlled environment

## Eligible Disciplines

Special education: Minimum qualifications for these faculty members are specified in title 5, section 53414. Master's degree required. Title 5, section 53414

## Other Resources

1. Coastline Library
2. Handouts and Worksheets to be provided and distributed by the instructor