

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
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. Masters degree required. Title 5, section 53414

Other Resources

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