

# BUTTE COLLEGE

## COURSE OUTLINE

### I. CATALOG DESCRIPTION

**SPE 311 - Horticultural Arts for Persons with Substantial Disabilities**

**0 Unit(s)**

**Prerequisite(s):** NONE

**Recommended Prep:** Special Education K-12

**Transfer Status:** NT

200 hours Lab

This course is designed for persons with substantial disabilities attending a facility in the community generally known as a day activity center. Horticultural Arts will focus on learning how esthetics can enhance the creative experience of growing and tending a garden. Topics will include planning a garden, how fine and gross motor skills can be enhanced by tending a garden, identifying the components of the garden, and how to utilize the vegetables and flowers to enhance daily living activities. An individual assessment of needs as well as an ongoing Individual Service Plan (ISP) is a component of this course. The ISP will dictate the number of hours each student will spend in this course. Unlimited repeats. Satisfactory/Unsatisfactory Only. Open Entry/Open Exit.

### II. OBJECTIVES

Upon successful completion of this course, the student will be able to:

- A. Plant a vegetable and flower garden with esthetics as well as placement in mind.
- B. Demonstrate improved fine and gross motor skills by planting flowers and vegetables in raised beds.
- C. Correctly identify a variety of vegetables, fruits and flowers grown in the garden.
- D. Utilize the vegetables grown in the garden to prepare foods emphasizing both texture, color and variety.
- E. Create a pleasing classroom facility by utilizing color, texture, and variety of flowers.

### III. COURSE CONTENT

#### **A. Unit Titles/Suggested Time Schedule**

Lab	
<u>Topics</u>	<u>Hours</u>
1. Design a growing plot	5.00
2. Prepare garden area	10.00
3. Raking/clearing debris	10.00
4. Checking soil ph	5.00
5. Adding compost to the garden	10.00
6. Parts of a flower	5.00
7. Identification of flowers	5.00
8. Companion planting - vegetables and other flowers	5.00
9. Planting times and zones for various flowers	5.00
10. Identification of vegetables, fruits and flowers	5.00
11. Decorating with flowers	5.00
12. Creating pleasing foods	5.00
13. Categorization of vegetables and fruits	5.00
14. Shared diseases between vegetables and fruits	5.00

15. Colors, textures, peels, seed analysis	5.00
16. Sensory perception - taste, feel, sight	5.00
17. Color design and matching within bouquets	5.00
18. Size and symmetry matters	5.00
19. Layout and design of specific types of bouquets	5.00
20. Materials for construction of arrangement	5.00
21. Selecting recipes for fresh fruits and vegetables	5.00
22. Practice with measurements for recipes	5.00
23. Identifying taste compatibility and seasonings	5.00
24. Cleaning and preparing fruits and vegetables	5.00
25. Staking out planting areas	10.00
26. Selecting seeds and plants appropriate for zones	10.00
27. Plant care/pest control	5.00
28. Setting up - irrigation system	10.00
29. Develop irrigation plan	5.00
30. Harvest/ripening off fruits and vegetables	5.00
31. Preparing vegetables and fruit after harvest	10.00
32. Preserving the harvest	10.00
Total Hours	200.00

#### **IV. METHODS OF INSTRUCTION**

- A. Instructor Demonstrations
- B. Applied Classroom Activities
- C. Applied Community Activities

#### **V. METHODS OF EVALUATION**

- A. Demonstration and application of individual skills repeated throughout the day to enhance learning opportunities.
- B. Individual Service Plans (ISP) developed to assess placement of student into program and establish desired outcomes and individual development objectives.
- C. Individual progress conferences utilizing frequency charts to evaluate the student's progress toward established objectives.

#### **VI. EXAMPLES OF ASSIGNMENTS**

- A. Reading Assignments
  - 1. Read an article on growing and tending a garden to share with the class.
  - 2. Read planting details on seed packets zoned for Butte County. Select the seeds and plant the plants.
- B. Writing Assignments
  - 1. Write a descriptive paragraph of what is or will be planted in a garden to use in developing a plot plan. Submit to the instructor.
  - 2. Write about a paragraph about a garden experience to share with a classmate.
- C. Out-of-Class Assignments
  - 1. Not applicable.

#### **VII. RECOMMENDED MATERIALS OF INSTRUCTION**

Materials Other Than Textbooks:

- A. Garden - raised beds as well as regular in ground plots
- B. Plants
- C. Gardening Tools
- D. Water
- E. Community visits to Farmer's Market, University Farm and local nurseries

**Created/Revised by:** Julie Nuzum

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