

# Floriculture

**Levels:** Grades 9–12  
**Units of Credit:** 0.50  
**CIP Code:** 01.0632  
**Core Code:** 30-01-00-00-152  
**Prerequisite:** None  
**Skill Test:** # 131

## COURSE DESCRIPTION

Students will develop knowledge and skills related to the floriculture industry. Floral design and management will be the primary units of study. Students will be prepared to create floral arrangements, grow floriculture crops, and manage commercial floriculture operations.

## CORE STANDARDS, OBJECTIVES, AND INDICATORS

**Use the following Standard 1 and Standard 2 if this course is taught at the entry level.**

### STANDARD 1

**Students will explain the role of FFA in agricultural education.**

**Objective 1:** Discuss the history and organization of FFA as it relates to the complete program of agricultural education.

- a. Explain the interrelationship of classroom and laboratory instruction, supervised agricultural experience, and FFA.
- b. Describe how, when, and why FFA was organized.
- c. Identify key FFA historical events.
- d. Identify the mission and strategies, colors, motto, emblem and parts of the emblem, and organizational structure of FFA.
- e. Recite and explain the meaning of the FFA Creed.
- f. Discuss the meaning and purpose of a program of activities and its committee structure.
- g. List FFA chapter officers, and discuss the role of each.

**Objective 2:** Identify opportunities in FFA.

- a. Describe FFA opportunities that develop leadership skills, personal growth, and career success.
- b. Summarize major state and national activities available to FFA members.

**Objective 3:** Describe FFA degrees, awards, and career development events (CDEs).

- a. List and explain the FFA degree areas.
- b. Identify FFA proficiency awards.
- c. List and discuss various team and individual CDEs.

### STANDARD 2

**Students will explain the role of supervised agricultural experience (SAE) programs in agricultural education.**

**Objective 1:** Examine the responsibilities and benefits associated with an SAE.

- a. Explain the meaning and benefits of supervised agricultural experience.
- b. Explain the characteristics of an effective SAE program and the responsibilities of those involved.

**Objective 2:** Determine the types of SAE programs.

- a. Compare entrepreneurship SAEs and placement SAEs.

- b. Describe research/experimentation SAEs.
- c. Describe exploratory SAEs.

**Objective 3:** Plan an SAE program.

- a. Identify the steps in planning an SAE program.
- b. Describe the function of a business/training plan and/or agreement in an SAE program.
- c. Develop a short-range plan and a long-range plan for an SAE program.
- d. Relate classroom and laboratory instruction to an SAE program.

**Objective 4:** Maintain and use SAE records.

- a. Explain the importance of keeping records on an SAE program.
- b. Explain how SAE records are organized.
- c. Follow approved procedures to make entries in SAE records.

**Use the following Standard 1 and Standard 2 if this course is taught at the advanced level.**

**STANDARD 1**

**Students will develop personal, leadership, and career skills through FFA participation.**

**Objective 1:** Assess the role of FFA participation in developing personal and leadership skills.

- a. Identify important personal skills and the strategies used in developing the skills.
- b. Identify important leadership skills and the role of FFA participation in developing the skills.

**Objective 2:** Assess the role of FFA participation in developing career skills.

- a. List and describe proficiency awards appropriate for floriculture.
- b. List and describe career development events appropriate for floriculture.
- c. Relate the importance of supervised agricultural experience to FFA achievement.
- d. Utilize FFA and supervised agricultural experience participation to gain advanced degrees of FFA membership.

**STANDARD 2**

**Students will explain the maintenance and expansion of supervised agricultural experience (SAE) programs.**

**Objective 1:** Maintain and use SAE records.

- a. Explain how SAE records are maintained from year to year.
- b. Explain how to summarize and analyze SAE records.

**Objective 2:** Devise long-range plans for expanding SAE programs.

- a. Evaluate the overall quality of a current SAE, and determine how to make it more productive or profitable.
- b. Explain factors that should be considered in expanding an SAE program.
- c. Explain how placement SAE and ownership SAE programs may be expanded.

**STANDARD 3**

**Students will demonstrate floral design techniques.**

**Objective 1:** Identify common plant materials used in floral design.

- a. Identify common cut flowers used in floral design.
- b. Identify common foliage used in floral design.
- c. Identify common live plants used in floral design.

**Objective 2:** Care for fresh flowers and foliage.

- a. Explain the basic care requirements of cut flowers (e.g., water, light, temperature).
- b. Describe the causes of deterioration and death of flowers (e.g., ethylene gas).

- c. Describe the steps of effective conditioning of flowers and foliage.
- d. Explain the importance of using floral preservatives.

**Objective 3:** Identify floral design tools and supplies.

- a. Identify common tools used in floral design.
- b. Recognize and describe floral design supplies.

**Objective 4:** Explain the principles and elements of floral design.

- a. Discuss the history and influence of different styles of design on the floriculture industry.
- b. Analyze the principles of floral design.
- c. Examine the concept of proportion and scale.
- d. Explain how the concept of balance is applied to floral design.
- e. Describe how rhythm is applied in floral work.
- f. Explain how the principles of dominance and focal point are used in floral design.
- g. Describe the major flower forms used in floral design.
- h. Explain how space and depth enhance floral design.
- i. Assess the importance of texture in floral design.
- j. Evaluate the influences of color on floral work.
- k. Explain basic geometric designs.

**Objective 5:** Design floral arrangements using the principles and elements of design using at least four of the following indicators.

- a. Design corsages and boutonnieres.
- b. Design bud vase arrangements.
- c. Design vase arrangements.
- d. Design centerpieces.
- e. Design holiday arrangements.
- f. Design wedding pieces.
- g. Design sympathy arrangements.
- h. Design color bowls and hanging baskets.
- i. Design arrangements using everlasting flowers.
- j. Prepare a potted plant with foil.
- k. Create bows and/or accessories appropriate for the design.

#### **STANDARD 4**

**Students will demonstrate floriculture crop production techniques.**

**Objective 1:** Propagate floriculture crops.

- a. Compare and contrast sexual and asexual reproduction.
- b. Demonstrate the process of propagating floriculture plants from seed.
- c. Demonstrate techniques used to propagate floriculture plants asexually.
- d. Transplant floriculture plant materials.

**Objective 2:** Grow floriculture crops.

- a. Select the appropriate container and growing media for floriculture plants.
- b. Plan a growing schedule for floriculture plants.
- c. Demonstrate proper watering techniques.
- d. Produce potted flowering crops.

#### **STANDARD 5**

**Students will explain floriculture business concepts.**

**Objective 1:** Price floral design work.

- a. Explain the importance of effective buying.
- b. Determine the costs for floral arrangements.
- c. Assess typical pricing strategies.

- d. Calculate mark-up.

**Objective 2:** Prepare floriculture crops for sale.

- a. Clean plants and containers.
- b. Decorate plants and containers.
- c. Attach price tags and care instructions.

**Objective 3:** Explain the basics of marketing in the floriculture industry.

- a. Display floriculture materials for sale.
- b. Recognize ways of maintaining and increasing the effectiveness of horticultural business displays.
- c. Recognize how advertising is used.
- d. Complete sales tickets.
- e. Use proper telephone techniques.
- f. Describe effective packaging and delivery.
- g. Describe the impact of the international flower market on the floriculture industry.

**Objective 4:** Describe floriculture business management.

- a. Differentiate the types of floriculture businesses.
- b. Recognize costs related to floriculture production.
- c. Analyze the importance of marketing, promotion, and sales.
- d. Describe career opportunities associated with floriculture management.