

**SUSAG 65 Course Outline as of Fall 2012****CATALOG INFORMATION**

Dept and Nbr: SUSAG 65 Title: COOL SEASON VEG PROD

Full Title: Cool Season Vegetable Production

Last Reviewed: 2/8/2021

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	2.00	Lecture Scheduled	1.50	17.5	Lecture Scheduled	26.25
Minimum	2.00	Lab Scheduled	1.50	8	Lab Scheduled	26.25
		Contact DHR	0		Contact DHR	0
		Contact Total	3.00		Contact Total	52.50
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 52.50

Total Student Learning Hours: 105.00

Title 5 Category: AA Degree Applicable

Grading: Grade or P/NP

Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP

Also Listed As:

Formerly:

**Catalog Description:**

Cultural practices, varieties, and economics of production of major cool season vegetable crops in Sonoma County. Topics include strategies for starting and maintaining crops, innovative irrigation methods, essential weed and pest control measures, and marketing. Application of production techniques at SRJC's Shone Farm acreage. Focus will be on organic systems but material will be useful to all growers.

**Prerequisites/Corequisites:****Recommended Preparation:**

Course Completion of SUSAG 111 ( or AG 297.54S) and Course Completion of SUSAG 112 ( or AG 297.55S) and Course Eligibility for ENGL 100 OR Course Eligibility for ESL 100

**Limits on Enrollment:****Schedule of Classes Information:**

Description: Cultural practices, varieties, and economics of production of major cool season vegetable crops in Sonoma County. Topics include strategies for starting and maintaining crops, innovative irrigation methods, essential weed and pest control measures, and marketing.

Application of production techniques at SRJC's Shone Farm acreage. Focus will be on organic systems but material will be useful to all growers. (Grade or P/NP)

Prerequisites/Corequisites:

Recommended: Course Completion of SUSAG 111 ( or AG 297.54S) and Course Completion of SUSAG 112 ( or AG 297.55S) and Course Eligibility for ENGL 100 OR Course Eligibility for ESL 100

Limits on Enrollment:

Transfer Credit: CSU;

Repeatability: Two Repeats if Grade was D, F, NC, or NP

### **ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:**

**AS Degree:**      **Area**      Effective:      Inactive:

**CSU GE:**      **Transfer Area**      Effective:      Inactive:

**IGETC:**      **Transfer Area**      Effective:      Inactive:

**CSU Transfer:** Transferable      Effective:      Summer 2006      Inactive:

**UC Transfer:**      Effective:      Inactive:

**CID:**

**Certificate/Major Applicable:**

Both Certificate and Major Applicable

### **COURSE CONTENT**

**Outcomes and Objectives:**

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

1. Identify and grow varieties of cool season vegetables suitable for Sonoma County soils and microclimates.
2. Describe soil preparation and fertility management methods for cool season vegetables.
3. Demonstrate proper techniques for seed planting in flats or direct seeding in ground.
4. Diagram a planting layout for cool season vegetables within the available planting space.
5. Plan and implement a schedule of cultural practices from soil preparation through harvest for a cool season crop.
6. Identify and recommend control measures for common pests, diseases and weeds of cool season crops.
7. Prepare a cost and return estimate for vegetable crop production.
8. Develop a marketing plan and identify marketing strategies for profitable sale of a vegetable crop.

**Topics and Scope:**

- I. Cool Season Vegetable Varieties Specifically Suited to Sonoma County Conditions and Markets
- II. Soil
  - A. Conditions
  - B. Fertility
  - C. Amendments

### III. Production

- A. Seed planting in flats
- B. Seeding directly in ground
- C. Quantities and spacing of varieties for desired yields

### IV. Cultural Practices Through the Season

- A. Thinning
- B. Training/staking
- C. Weed and insect control
- D. Irrigation
- C. Fertilization

### V. Harvest Methods and Storage

### VI. Economics of Production

- A. Cost and return estimates
- B. Crop budgets

### VII. Marketing

- A. Market evaluation - outlets
- B. Value-added products
- C. Packaging, shipping, and display
- D. Developing a marketing plan

### Assignment:

Representative assignments:

1. Reading: approximately 10-20 pages per week.
2. Planting layout for a given planting space.
3. Planning calendar of cultural practices for selected crop.
4. Paper (2-4 pages) identifying and recommending control measures for pests, diseases, and weeds common to warm season crops.
5. Crop budget.
6. Outline a marketing plan (2-3 pages).
7. Skill demonstrations on site (lab): seed planting; application of cultural practices; pest and weed identification.

### Methods of Evaluation/Basis of Grade:

**Writing:** Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

Paper.

Writing  
10 - 20%

**Problem Solving:** Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Planting layout; calendar; budget; marketing plan.

Problem solving  
40 - 50%

**Skill Demonstrations:** All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Lab activities.

Skill Demonstrations  
30 - 40%

**Exams:** All forms of formal testing, other than skill performance exams.

None

Exams  
0 - 0%

**Other:** Includes any assessment tools that do not logically fit into the above categories.

None

Other Category  
0 - 0%

**Representative Textbooks and Materials:**

Peirce, Pam. Golden Gate Gardening: The Complete Guide to Year-Round Food Gardening in the San Francisco Bay Area and Coastal California. Sasquatch Books, 2002.

Gibson, Eric. Sell What You Sow!: The Grower's Guide to Successful Produce Marketing. New World Publishing, 1994.