

**SUSAG 65 Course Outline as of Summer 2017****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 course content will be useful to all growers.

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

Eligibility for ENGL 1A or equivalent

**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 course content will be useful to all growers. (Grade or P/NP)

Prerequisites/Corequisites:

Recommended: Eligibility for ENGL 1A or equivalent

Limits on Enrollment:

Transfer Credit: CSU;

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

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

<b>AS Degree:</b>	<b>Area</b>	Effective:	Inactive:
<b>CSU GE:</b>	<b>Transfer Area</b>	Effective:	Inactive:
<b>IGETC:</b>	<b>Transfer Area</b>	Effective:	Inactive:
<b>CSU Transfer:</b>	Transferable	Effective: Summer 2006	Inactive:
<b>UC Transfer:</b>		Effective:	Inactive:

**CID:**

**Certificate/Major Applicable:**

Both Certificate and Major Applicable

## **COURSE CONTENT**

### **Student Learning Outcomes:**

At the conclusion of this course, the student should be able to:

1. Select and cultivate varieties of cool season vegetables suitable for Sonoma County soils and microclimates.
2. Create appropriate planting layouts for cool season vegetables within the available planting space.
3. Plan and implement a schedule of cultural and cost effective practices from soil preparation through harvest for a cool season crop.
4. Develop a marketing plan and apply appropriate marketing strategies for profitable sale of a vegetable crop.

### **Objectives:**

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

1. Identify 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. Identify and evaluate planting layouts for cool season vegetables based on space and selected plants.
5. Determine optimal schedule and cultural practices for a cool season crop.
6. Identify and recommend control measures for common pests, diseases and weeds of warm season crops.
7. Prepare a cost and return estimate for vegetable crop production.
8. Identify options for marketing plans and strategies for cool season vegetable crops.

### **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
  - D. Planting layouts
- 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
  - E. Marketing strategies

### **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. Report (2-4 pages) identifying and recommending control measures for pests, diseases, and weeds common to cool season crops.
5. Crop budget plan.
6. Outline a marketing plan (2-3 pages).
7. Lab: Skill demonstrations on site, including seed planting; application of cultural practices; pest and weed identification.
8. Final exam/project.

### **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.

Report
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Writing 10 - 20%
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**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  
30 - 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.

Final exam/project

Exams  
10 - 20%

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

None

Other Category  
0 - 0%

### **Representative Textbooks and Materials:**

Golden Gate Gardening: The Complete Guide to Year-Round Food Gardening in the San Francisco Bay Area and Coastal California. Pam Peirce, Sasquatch Books, 3rd ed, 2010.  
Gibson, Eric. Sell What You Sow!: The Grower's Guide to Successful Produce Marketing. New World Publishing, 1994 (Classic)  
Instructor prepared materials