

CATALOG INFORMATION

Dept and Nbr: SUSAG 115      Title: COOL SEASON VEG PROD  
Full Title: Cool Season Vegetable Production  
Last Reviewed: 4/19/2004

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	4	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: AG 297.67

**Catalog Description:**  
Season-long production practices required for successful Sonoma County cool season vegetable crops: lettuces, salad greens, spinach, broccoli, cauliflower, cabbage, and others. Topics include strategies for starting and maintaining crops, innovative irrigation methods, essential weed and pest control measures, and marketing. Focus will be on organic systems but material will be useful to all growers. This is an intermediate level course designed for those who have taken Specialty Crop Production or Organic Garden Crop Production, or with prior production experience with vegetable crops.

**Prerequisites/Corequisites:**

**Recommended Preparation:**

**Limits on Enrollment:**

**Schedule of Classes Information:**  
Description: Season-long production practices required for successful Sonoma County cool season vegetable crops: lettuces, salad greens, spinach, broccoli, cauliflower, cabbage, and

others. Topics include strategies for starting and maintaining crops, innovative irrigation methods, essential weed and pest control measures, and marketing. Focus will be on organic systems but material will be useful to all growers. This is an intermediate level course designed for those who have taken Specialty Crop Production or Organic Garden Crop Production, or with prior production experience with vegetable crops. (Grade or P/NP)

Prerequisites/Corequisites:

Recommended:

Limits on Enrollment:

Transfer Credit:

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>		Effective:	Inactive:
<b>UC Transfer:</b>		Effective:	Inactive:

**CID:**

**Certificate/Major Applicable:**

Both Certificate and Major Applicable

## **COURSE CONTENT**

### **Outcomes and Objectives:**

Upon completion of this course, students 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 technique for seed planting in flats or direct seed seeding in ground.
4. Diagram a planting layout for cool season vegetables within the student's own available garden space.
5. Create a planning calendar of cultural practices from soil preparation through harvest for a selected cool season crop.
6. Identify common pests, diseases and weeds of cool season crops.
7. Recommend control measures for pests, diseases and weeds.
8. Create a marketing plan and identify marketing strategies.

### **Topics and Scope:**

1. Identification and production of cool season vegetable varieties specifically suited to Sonoma County conditions and markets.
2. Soil conditions, fertility and amendments.
3. Seed planting in flats or direct in ground.
4. Quantities and spacing of varieties for desired yields.
5. Cultural practices through the season; thinning, training/staking, weed

- and insect control, irrigation, fertilization.
6. Harvest methods.
  7. Marketing: marketing plan, market outlets, value-added products, packaging, shipping, and display.

### 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.

Written homework, Essay exams

Writing  
10 - 50%

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

Quizzes

Problem solving  
10 - 50%

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

Class performances

Skill Demonstrations  
20 - 60%

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

Multiple choice, True/false, Matching items

Exams  
20 - 60%

**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 by Pam Peirce  
Sell What You Sow by Eric Gibson

