

**SUSAG 117 Course Outline as of Fall 2013****CATALOG INFORMATION**

Dept and Nbr: SUSAG 117 Title: ORG FRUIT TREE &amp; BERRY

Full Title: Organic Fruit Tree &amp; Berry Production

Last Reviewed: 10/11/2021

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	1.50	Lecture Scheduled	1.00	17.5	Lecture Scheduled	17.50
Minimum	1.50	Lab Scheduled	1.50	8	Lab Scheduled	26.25
		Contact DHR	0		Contact DHR	0
		Contact Total	2.50		Contact Total	43.75
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 35.00

Total Student Learning Hours: 78.75

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:**

Fruit tree and berry vine selection, planting, and care for small-scale orchard or home garden. Includes desirable varieties, pruning and training methods, and pest management. Emphasis on organic production methods.

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

Eligibility for ENGL 100 or ESL 100

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

Description: Fruit tree and berry vine selection, planting, and care for small-scale orchard or home garden. Includes desirable varieties, pruning and training methods, and pest management. Emphasis on organic production methods. (Grade or P/NP)

Prerequisites/Corequisites:

Recommended: Eligibility for ENGL 100 or ESL 100

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

1. Differentiate among the types of fruit trees and berry varieties.
2. Identify the most suitable varieties for each fruit and berry type for Sonoma County.
3. Describe planting techniques for fruit trees and berries.
4. Identify desirable characteristics of a variety of fruit trees and berries.
5. Describe important soil characteristics for successful fruit tree and berry production.
6. Describe water and fertilizer needs of a variety of fruit trees and berries.
7. Differentiate among common general pruning practices.
8. Describe harvest and storage requirements for various kinds of fruits and berries.
9. Prune, thin, and harvest fruit and berries.

### **Topics and Scope:**

- I. Varieties and Types of Fruit Trees and Berries
  - A. Dwarf
  - B. Semi-dwarf
  - C. Standard
- II. Cultural Care
  - A. Soil
    1. Types
    2. Preparation
  - B. Planting
    1. Methods
    2. Post-planting care
  - C. Fertilizer
    1. Requirements
    2. Types
    3. Application methods
  - D. Water

1. Soil/water relationship
2. Watering requirements
- E. Winter protection
  1. Temperature tolerance
  2. Methods of protection
- F. Organic pest control methods
  1. Insects and mites
  2. Plant diseases
  3. Weeds
  4. Vertebrates
- G. Pruning
  1. General training
    - a. central leader
    - b. modified center leader
    - c. vase
  2. Specific training
    - a. specie specific
    - b. espalier
    - c. hedges
    - d. establishment
- H. Fruit thinning
- III. Harvest and Storage Requirements
- IV. Direct Marketing of Fruit and Berries

### Assignment:

Assignments may include:

1. Write a report on selection, planting and care of one fruit tree or one berry variety (3-5 pages).
2. Lab: Practice fruit thinning, pruning, or harvest on fruit trees and/or berry vines (at Shone Farm).
3. Compile a list of the most suitable varieties of fruit trees and berries for Sonoma County and describe the characteristics of each (2-3 pages).
4. Field trip(s) (1-2) and field trip report(s).
5. Reading, 10-20 pages per week.

### 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.

Reports and list with characteristics.

Writing  
30 - 50%

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

None

Problem solving  
0 - 0%

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

Lab activities.

Skill Demonstrations  
30 - 50%

**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.

Participation/attendance.

Other Category  
0 - 20%

**Representative Textbooks and Materials:**

Instructor prepared materials.

Online resources.