

**HORT 140 Course Outline as of Fall 2010****CATALOG INFORMATION**

Dept and Nbr: HORT 140 Title: FRUIT TREE SEL &amp; PLNT

Full Title: Fruit Tree Selection and Planting

Last Reviewed: 7/22/2002

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	1.50	Lecture Scheduled	3.00	8	Lecture Scheduled	24.00
Minimum	1.50	Lab Scheduled	0	8	Lab Scheduled	0
		Contact DHR	0		Contact DHR	0
		Contact Total	3.00		Contact Total	24.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 48.00

Total Student Learning Hours: 72.00

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 297.1

**Catalog Description:**

Fruit tree selection, planting, and care for small orchard or home garden. Includes desirable varieties, pruning and training methods, and pest management.

**Prerequisites/Corequisites:****Recommended Preparation:****Limits on Enrollment:****Schedule of Classes Information:**

Description: Fruit tree selection, planting, and care for small orchard or home garden. Includes desirable varieties, pruning and training methods, and pest management. (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>	<b>Effective:</b>	<b>Inactive:</b>
<b>CSU GE:</b>	<b>Transfer Area</b>	<b>Effective:</b>	<b>Inactive:</b>
<b>IGETC:</b>	<b>Transfer Area</b>	<b>Effective:</b>	<b>Inactive:</b>
<b>CSU Transfer:</b>		<b>Effective:</b>	<b>Inactive:</b>
<b>UC Transfer:</b>		<b>Effective:</b>	<b>Inactive:</b>

**CID:**

**Certificate/Major Applicable:**

Not Certificate/Major Applicable

## **COURSE CONTENT**

### **Outcomes and Objectives:**

The student will:

1. Differentiate among the types of fruit trees.
2. Describe the three ways trees are sold and the planting techniques for each.
3. Identify desirable characteristics of a variety of fruit trees.
4. Select the best tree for a given location.
5. List the major soil separates.
6. Describe soil moisture holding capacities.
7. Describe water and fertilizer needs of a variety of fruit trees.
8. Differentiate among the three common general pruning practices.

### **Topics and Scope:**

- I. Tree types
  - 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. 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

**Assignment:**

- 1. Complete worksheets for lectures and videos.
- 2. Write a brief report on selection, planting, and care of one fruit tree.
- 3. Observe and critique pruning techniques on various fruit trees.

**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.

Brief report.	Writing 10 - 20%
<b>Problem Solving:</b> Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.	Problem solving 30 - 50%
Homework problems, Field work, Field critique.	Problem solving 30 - 50%
<b>Skill Demonstrations:</b> All skill-based and physical demonstrations used for assessment purposes including skill performance exams.	Skill Demonstrations 0 - 0%
None	Skill Demonstrations 0 - 0%
<b>Exams:</b> All forms of formal testing, other than skill performance exams.	Exams 20 - 30%
Multiple choice, True/false, Matching items, Completion	Exams 20 - 30%
<b>Other:</b> Includes any assessment tools that do not logically fit into the above categories.	Other Category 10 - 20%
Class participation.	Other Category 10 - 20%

**Representative Textbooks and Materials:**  
Instructor prepared handouts.