

**VIT 120 Course Outline as of Spring 2005****CATALOG INFORMATION**

Dept and Nbr: VIT 120                      Title: VINEYARD PRUNING  
 Full Title: Vineyard Pruning  
 Last Reviewed: 9/27/2021

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	0.50	Lecture Scheduled	4.50	2	Lecture Scheduled	9.00
Minimum	0.50	Lab Scheduled	0	1	Lab Scheduled	0
		Contact DHR	0		Contact DHR	0
		Contact Total	4.50		Contact Total	9.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 18.00

Total Student Learning Hours: 27.00

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 281.7

**Catalog Description:**

Theory and practice of pruning head, cane and cordon vines. Course emphasizes the grapevine's response to pruning, training young and mature vines, and introduces terminology and equipment.

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

Description: Theory and practice of pruning head, cane and cordon vines. Course emphasizes the grapevine's response to pruning, training young and mature vines, and introduces terminology and equipment. (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 successful completion of this course, the student will be able to:

1. Identify parts of the vine important to pruning.
2. Select the appropriate pruning method to achieve desired results.
3. Judge the level of pruning required to produce quality grapes.
4. Utilize correct terminology to discuss grapevine pruning.
5. Select and properly care for pruning tools.
6. Determine appropriate training method for new and established vines.
7. Compare and contrast various pruning methods.
8. Troubleshoot pruning problems and recommend solutions.

### **Topics and Scope:**

#### **I. Introduction**

- A. Scope of pruning
- B. Purposes of pruning
- C. Pruning principles

#### **II. Grapevine Anatomy and Physiology in Relation to Pruning**

- A. Internal and external structures
- B. Photosynthesis and its relationship to pruning

#### **III. Tool Selection and Care**

- A. Selection of proper pruning tools
- B. Sharpening and tool care

#### **IV. Pruning and Training**

- A. Dormant season training of young vines
- B. Pruning mature grapevines
- C. Training young vines after bud break
- D. Types of wood in pruning
- E. Pruning units
- F. Growth advantage points

- G. Balancing the vine using various formulas
- H. Pruning for light quality and quantity
- V. Pruning Methods
  - A. Minimal pruning
  - B. Pre-pruning
  - C. Mechanical pruning
  - D. Modern pruning concepts
- VI. Pruning Types
  - A. Head trained
  - B. Cane systems
  - C. Cordon systems
- VII. Pruning-related Diseases
  - A. Eutypa Lata
  - B. Techniques to avoid disease problems

### Assignment:

Representative assignments:

1. Reading, 10-15 pages per week.
2. Identification of pruning techniques.
3. Quiz; final exam.

### 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.

None, This is a degree applicable course but assessment tools based on writing are not included because skill demonstrations are more appropriate for this course.

Writing  
0 - 0%

**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.

Pruning skills demonstration.

Skill Demonstrations  
30 - 50%

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

Multiple choice, True/false, Matching items, Completion, Short answer.

Exams  
20 - 40%

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

Participation.

Other Category  
10 - 30%

**Representative Textbooks and Materials:**

Monographs in Cool Climate Viticulture-1, Pruning and Training. Jackson, David. Daphne Brussel Assoc. Ltd., 2001.

Sunlight into Wine: A Handbook for Winegrape Canopy Management. Smart, Richard and Robinson, Mike. Winetitles, 1991.

Instructor prepared materials.