

**Plant Science 3: General Viticulture
Course Information**

Catalog Description

The purpose of this course is to introduce general viticulture operations. Principles and practices include vine physiology and structure, climatic requirements, varieties, soils, training, pruning, nutrition, irrigation, and pest management.

Textbook

Viticulture. Volume 2, Practices. Edited by Coombe, B.G., and Dry, P.R. Winetitles. Underdale. 1992.

Assignments and Grading

Three major tests will be given that correlate to the assigned readings and course lecture notes. Quizzes will be given weekly on the discussed subject matter.

		Point Distribution		
Lecture:	Quizzes		200	
	2 Midterms		300	
	Final Exam		200	
Laboratory:	Participation		300	
			1000	
90% = A	80% = B	70% = C	60% = D	Less = F

<u>Last Day To:</u>	Drop Class with Refund:	August 28, 1998
	Drop w/o Transcript Record:	September 4, 1998
	Change CR/NR:	September 18, 1998
	Drop w/o a Letter Grade Assigned	October 16, 1998

Attendance

Attendance of lectures and labs is required and roll will be taken at each meeting. A "tardy" is considered an absence unless the student contacts and explains the incident. Students must make prior arrangements with the instructor to be excused from lectures and labs, make-up of missed tests and labs are permitted only with excused absences.

Office Hours - LSH 2

Monday 1:00 Wednesday 1:00 Friday 10:00

Lecture Schedule

<u>Week</u>	<u>Topic</u>	<u>Reading Assignment</u>
1	Introduction History/Species/Terms	
2	Vine Structure Growth & Development	
3	Vineyard Establishment	Chapter 2
4	Training and Trellising	Chapter 3
5	Canopy Management	Chapter 5
6	Review & Midterm	
7	Irrigation	Chapter 6
8	Drainage and Soil Salinity	Chapter 7
9	Soil Management & Frost Control	Chapter 8
10	Grapevine Nutrition	Chapter 9
11	Pests	Chapter 10
12	Nematodes	
13	Review & Midterm	
14.	Grape Diseases and Vineyard Protection	Chapter 11
15.	Propagation	Chapter 1
16	Pruning	Chapter 4
17	Harvest/Review	Chapters 13-15
18	Final Exam	

Laboratory Schedule

<u>Week</u>	<u>Topic</u>
1	Vineyard Systems
2	Cane & Arm Examinations Root Systems
3	Harvesting Berry Sugar Content
4	Drip Irrigation System Evaluation
5	Propagation
6	Raisin Packing House
7	Open
8	Irrigation Scheduling
9	Petiole Sampling Vineyard Fertilization
10	Sprayer Calibration Sulfur Dusting
11	Vineyard Insects
12	Nematode Sample & Extraction
13	Vineyard Site Inspection Vineyard Mark & Plant
14	Trellis Installation
15	Pruning
16	Pruning & Cutting Nursery
17	Vineyard Economics Degree Day Calculations