

Las Positas College
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Course Outline for VWT 33

SUMMER VITICULTURE OPERATIONS

Effective: Summer 2008

I. CATALOG DESCRIPTION:

VWT 33 — SUMMER VITICULTURE OPERATIONS — 3.00 units

Vineyard practices for the summer session. Class operates the Las Positas College Campus Hill vineyard, with an emphasis on the practical applications of viticulture theory including vine training, canopy management, assessment of insect and disease problems specific to the appellation, irrigation applications relating to soil and leaf moisture and crop estimation. 2 hours lecture, 3 hours laboratory.

2.00 Units Lecture 1.00 Units Lab

Grading Methods:

Letter or P/NP

Discipline:

	MIN
Lecture Hours:	36.00
Lab Hours:	54.00
Total Hours:	90.00

II. NUMBER OF TIMES COURSE MAY BE TAKEN FOR CREDIT: 1

III. PREREQUISITE AND/OR ADVISORY SKILLS:

IV. MEASURABLE OBJECTIVES:

Upon completion of this course, the student should be able to:

1. plan and implement a canopy management program
2. assess the risk of insect and disease problems
3. evaluate the need for supplemental irrigation
4. estimate crop levels
5. plan and implement a bird damage control program

V. CONTENT:

- A. Canopy management
- B. Insect population evaluation
- C. Control programs for insect damage prevention
- D. Disease incidence evaluation
- E. Control programs for disease damage prevention
- F. Irrigation theory
- G. Irrigation system operation
- H. Bird population evaluation
- I. Control programs for bird damage prevention
- J. Estimating crop levels
- K. Other summer viticulture operations as needed

VI. METHODS OF INSTRUCTION:

- A. **Lecture** -
- B. **Discussion** -
- C. **Classroom Activity** - Student hands-on activities
- D. **Audio-visual Activity** -
- E. **Field Trips** -
- F. **Demonstration** -

VII. TYPICAL ASSIGNMENTS:

- A. Reading 1. Assign readings from class handouts 2. Assign readings from textbook B. Writing 1. Essay or short paper a. A summary on the methods used to make a crop load estimate C. Create and maintain a vineyard maintenance log D. Problem Solving 1. Essay or short paper a. Select a bird damage control plan based on the conditions of a real or hypothetical vineyard situation

VIII. EVALUATION:

A. Methods

1. Exams/Tests
2. Field Trips
3. Class Participation
4. Home Work
5. Lab Activities
6. Other:
 - a. Written examinations
 - b. Reading and homework assignments
 - c. Lecture and laboratory attendance
 - d. Field Trip attendance
 - e. Student participation in classroom and field work

B. Frequency

1. Two or more mid-term exams evenly spaced
2. Two or more graded field study reports

IX. TYPICAL TEXTS:

1. Winkler, et al. *General Viticulture*. 2nd ed., University of California Press, 1974.
2. Smart & Robinson *Sunlight into Wine*., Winetitles, 2003.
3. Tom Crossen *Venture into Viticulture*., Country Wide Press, 2003.
4. Coombs & Dry *Viticulture Practices*., Winetitles, 1992.

X. OTHER MATERIALS REQUIRED OF STUDENTS:

- A. Due to the outdoor, summer working environment offered by this class, having appropriate outdoor wear (boots, gloves and hat) is strongly recommended