



VWT 231 - Spring Viticulture Operations Course Outline

Approval Date: 05/10/2006

Effective Date: 08/14/2006

SECTION A

Unique ID Number CCC000301963

Discipline(s)

Division Career Education and Workforce Development

Subject Area Viticulture and Winery Technology

Subject Code VWT

Course Number 231

Course Title Spring Viticulture Operations

TOP Code/SAM Code 0104.00* - Viticulture, Enology, and Wine Business* / B
- Advance Occupational

Rationale for adding this course to the curriculum corrections of typos for catal

Units 3

Cross List N/A

Typical Course Weeks

Total Instructional Hours

Contact Hours

Lecture 36.00

Lab 0.00

Activity 36.00

Work Experience 0.00

Outside of Class Hours 72.00

Total Contact Hours 72

Total Student Hours 144

Open Entry/Open Exit No

Maximum Enrollment

Grading Option Letter Grade or P/NP

Distance Education Mode of Instruction

SECTION B

General Education Information:

SECTION C

Course Description

Repeatability May be repeated 0 times

Catalog Vineyard practices for the winter and spring seasons. Class operates the
Description NVC Student Vineyard, with an emphasis on practical applications of viticulture theory.

Schedule
Description

SECTION D

Condition on Enrollment

- 1a. **Prerequisite(s):** *None*
- 1b. **Corequisite(s):** *None*
- 1c. **Recommended:** *None*
- 1d. **Limitation on Enrollment:** *None*

SECTION E

Course Outline Information

1. Student Learning Outcomes:

- A. Basic vineyard operations for the winter and spring seasons.
- B. Applicable federal, state and local regulations.
- C. Sources of subject matter research materials.
- D. Technical writing styles appropriate to subject matter.
- E. Skills required in the workplace.

2. Course Objectives: Upon completion of this course, the student will be able to:

- A. Demonstrate the ability to prune young grape vines.
- B. Demonstrate the ability to prune vertical shoot position grape vines.
- C. Demonstrate the ability to prune head and cordon trained grape vines.
- D. Evaluate the need for double pruning of grape vines for frost protection.
- E. Plan and implement a program for the prevention of frost damage
- F. Design and implement a powdery mildew control program.
- G. Plan and carry out routine spring vineyard practices.
- H. Identify spring diseases of the grape vine.
- I. Identify spring insects of the grape vine.
- J. Collect and analyze grape vine tissue samples.
- K. Assess the need for irrigation.
- L. Apply irrigation water using a drip irrigation system
- M.

3. Course Content

- A. Pruning young grape vines
- B. Pruning vertical shoot positioning systems
- C. Pruning head trained vines
- D. Pruning cordon trained vines
- E. Double pruning of grape vines for frost protection
- F. Frost damage prevention practices
- G. Powdery mildew control practices
- H. Routine spring vineyard practices
- I. Spring grape vine disease identification
- J. Spring grape vine insect identification
- K. Grape vine tissue sampling
- L. Drip irrigation systems
- M.

4. Methods of Instruction:

5. Methods of Evaluation: Describe the general types of evaluations for this course and provide at least two, specific examples.

Additional assessment information:

A midterm examination and a final examination

Examples include:

-essay answer to midterm examination question "Describe the pruning of young grape vines".

-essay answer to final examination question "Describe the life cycle, biology and control of three spring grape vine diseases".

Letter Grade or P/NP

6. Assignments: State the general types of assignments for this course under the following categories and provide at least two specific examples for each section.

A. Reading Assignments

-Assigned readings from class handouts (example: "Powdery Mildew of the Grape Vine").

-Assigned readings from the textbook (example: "Preventing Frost Damage in Vineyards")

B. Writing Assignments

Writing:

Essay or short paper (example: an essay answer on the midterm examination in which the student summarizes the methods used prevent spring frost damage to grapevines).

Problem Solving:

Essay or short paper (example: an essay answer on the final examination in which the student develops an irrigation and fertilization plan based on the conditions of a real or hypothetical vineyard situation).

C. Other Assignments

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7. Required Materials

A. EXAMPLES of typical college-level textbooks (for degree-applicable courses) or other print materials.

Book #1:

Author: Dr. Stephen J. Krebs

Title: VWT 231 Workbook

Publisher: NVC Printing

Date of Publication: 2006

Edition: 1st

Book #2:

Author: Winkler, et al

Title: General Viticulture

Publisher: University of California Press

Date of Publication: 1974

Edition: 2nd

B. Other required materials/supplies.