

Discipline: Agriculture	Sub-discipline: Viticulture
General Course Title: Viticultural Practices Fall	Min. Units: 3 Semester
Proposed Suffix: L	
<p>Course Description: Viticulture practices for the fall and winter season including harvesting, pruning, varietal selection and vineyard development. Emphasis on practical applications of viticulture.</p>	
Required Prerequisites or Co-Requisites ¹	
Advisories/Recommended Preparation ²	
<p>Course Objectives: <i>At the conclusion of this course, the student should be able to:</i></p> <ul style="list-style-type: none"> • Define the importance of grapes both historically and currently. • Describe the harvest of grapes and the techniques for sampling. • Describe the current approaches to weed control and recommend appropriate chemicals • Explain how climate, soils and vineyard practices affect vine growth and grape quality. • List the different methods of erosion control. • Describe the different types of support for vines used and explain why. • explain the different methods of pruning and why they are used on certain varieties • Identify fall disease symptoms • Identify a fall fertilizing plan • Estimate the size of the grape crop through field observation. 	
<p>Course Content:</p> <ol style="list-style-type: none"> 1. History and Evolution <ol style="list-style-type: none"> A. Overview of world-wide importance of grapes and grapevines B. Grapevine classification and <i>Vitis</i> species 2. Harvesting Grapes <ol style="list-style-type: none"> A. Vineyard sampling for sugar/acid ratios B. Techniques for maturity sampling C. Estimating crop size D. Care in harvesting E. Transportation of grapes F. Winery/grower relations G. New harvest concepts 3. Grape Quality <ol style="list-style-type: none"> A. Define B. Use of different methods of thinning and crop control C. Experiments being conducted D. Water needs and soil types for grapes <p>Viticultural Practices Fall (Content Continued)</p> <ol style="list-style-type: none"> 4. Weed Control <ol style="list-style-type: none"> A. Strip versus broadcast control B. Age of vine C. Action of chemical used D. Currently recommended chemicals 	

¹ Prerequisite or co-requisite course need to be validated at the CCC level in accordance with Title 5 regulations; co-requisites for CCCs are the linked courses that must be taken at the same time as the primary or target course.

² Advisories or recommended preparation will not require validation but are recommendations to be considered by the student prior to enrolling.

<ul style="list-style-type: none"> E. Calibration of equipment F. Non-chemical weed control 	
<p>5. Erosion Control</p> <ul style="list-style-type: none"> A. Cover crop needs B. Tillage equipment C. Fertilization of cover crops 	
<p>6. Support for Vines</p> <ul style="list-style-type: none"> A. Types of trellis systems B. Purchase of trellising materials 	
<p>7. Pruning</p> <ul style="list-style-type: none"> A. Equipment needed B. Varieties for head pruning C. Varieties for cordon pruning D. Varieties for cane pruning E. New pruning techniques 	
<p>8. Other Fall Activities</p> <ul style="list-style-type: none"> A. Disease symptoms B. Fertilization plan 	
<p>Laboratory Activities: Individual Laboratory Activities are designed to support course objectives.</p>	
<p>Methods of Evaluation: Lecture Comprehensive Quizzes and Exams Written Critical Thinking Scenarios Problem Analysis and Solution Research and Term Papers</p>	<p>Methods of Evaluation: Laboratory Laboratory Skill Validation by Observation Laboratory Projects and Reports Laboratory Research Projects and Reports Laboratory Skill Practicum Exams</p>
<p>Typical Textbooks, Manuals, or Other Support Materials</p> <p style="text-align: center;"> <u>Viticulture, Vol. 2 Practices</u>, Coombe & Dry, 1992. <u>Grapevine Physiology</u>, UCDANR, 1981. <u>Sunlight into Wine</u>, R. Smart and M. Robinson, 1991. <u>General Viticulture</u>, Winkler, A.J., Kliewer, W.M., Lider, L.A., University of California Press, 1974, second edition. </p>	
<p>Statewide Articulation: UCD-VEN 101 ABC, other universities as lower division elective</p>	
<p>FDRG Lead Signature:</p> <p>Mark E. Bender, PhD CSU Stanislaus</p>	<p>Date:</p>
<p>[For Office Use Only]</p>	<p>Internal Tracking Number</p>
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