



VIN 113 – Winter/Spring Viticulture Technology Syllabus

Date: February 5 – May 25

Semester: Spring, 2007

Course Name: Winter/Spring Viticulture Technology

Course No.: VIN 113

Room: Online

Instructor: Katie Gill

Course Credit: 3 Hours

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Office Hours: By appt, phone, e-mail

Phone: (573) 775-3000

Course Description: This course is designed to provide students initiated in the field of viticulture practical experience in winter/spring vineyard operations. Students are required to partner with an approved vineyard to participate in the required field experience portion of the course which will serve as work experience for those seeking employment in commercial viticulture.

Prerequisites: VIN 111 or instructor permission

Next Course in Sequence: VIN 115 or VIN 293

Course Objectives:

Through lectures, facilitated discussions, quizzes, written assignments and field work the student will:

- Identify different parts of a grapevine.
- Describe the sequence of growth events through growing and dormant seasons.
- Describe the annual and perennial growth cycles.
- Accurately identify one season old wood, diseased wood, live and dead buds, and basal buds.
- Identify 3 vine tying systems
- Perform bud counts on single vines.
- Position renewal spurs and properly space fruiting spurs.
- Properly tie cordons
- Explain the concept of balanced pruning.
- Calculate the number of buds to retain based on pruning weight and the appropriate balanced pruning formula for the variety being pruned.
- Prune vines using the results of the appropriate balanced pruning formula.
- Perform bench trial propagation of preferred varieties.
- Produce a minimum of six rooted cuttings.
- Identify the major spring pest concerns at your vineyard site.

- Describe early season pest management strategies at your vineyard site.
- Identify and describe major fungal diseases in a given location.
- Identify major insect pests in a given location.
- Identify major weed pests in a given location.
- Adjust existing management strategies for identified pests and diseases.
- Adjust a given spray schedule to accomplish the goals of a stated pest management program.
- List and demonstrate the steps used in sprayer calibration
- Design a checklist of tasks required for proper trellis maintenance.
- Perform or describe the tasks required for trellis maintenance at your vineyard site.
- Discuss the water management strategy at your vineyard site.
- Explain the purpose of desuckering and shoot thinning.
- Identify and demonstrate proper suckering and shoot thinning techniques according to a specified trellis system.

Text and supplemental materials:

“Sunlight into Wine”, by Richard Smart & Mike Robinson, WINETITLES, Adelaide, Australia, 1991.

Course assignments that are potential portfolio items: Written assignments, reflective journal and handout exercises.

Outline of Subject Content:

PROPOSED SCHEDULE

Week 1	Basic structure of a grapevine and its cycle of growth and development
Week 2	Basic pruning practices
Week 3 - 4	Concepts of balanced pruning as applied to the dormant pruning process
Week 5 - 6	The propagation process
Week 7 - 8	Implementation of a spring pest management program
Week 9	Mid-Term Exam
Week 10 - 11	Proper maintenance of a trellis
Week 12	Irrigation and water management
Week 13	Proper management of shoot density
Week 14	Final Project
Week 15	Final Exam

The instructor reserves the right to adjust the schedule as necessary.

Instructional Methods:

Online instruction, discussions, field experiences and supplemental printed and web-based material will be used to present the subject matter. Written assignments and other projects will be used to reinforce concepts.

Written Assignments:

All written assignments will be typed. Spelling and grammar are extremely important in professional writing and papers will be scored accordingly.

Late Material

Late assignments will be given 0%. The instructor reserves the right under extreme cases to make exceptions to this policy.

Attendance Policy:

Each student is expected to actively participate in all online activities and field experiences.

Grading:

Grading is on a simple point system as follows:

90-100	A
80-89	B
70-79	C
60-69	D

The percentage weight of student performance will be:

Test and Quizzes	80%
Field Practicum	10%
Class Participation	10%

Should it become necessary to withdraw, it is the student's responsibility to do so according to the guidelines in the Missouri State – West Plains' student handbook.

Make up Policy and Special Instructions:

The exams can be made up only in the event of an excused absence where the instructor has prior knowledge of the absence. Allowance of make up tests will be at the discretion of the instructor and will be taken on the date of the student's return to class.

Accommodations for Students with Special Needs:

Missouri State University complies with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. Students with disabilities who need special accommodations should make their request in the following way: (1) speak with the instructor after class or during office hours about your disability or special needs related to work in the class and (2) contact Student Services and ask to speak to the ADA officer.

Nondiscrimination Policy Statement

Missouri State University is a community of people with respect for diversity. The University emphasizes the dignity and equality common to all persons and adheres to a strict nondiscrimination policy regarding the treatment of individual faculty, staff, and students. In accord with federal law and applicable Missouri statutes, the University does not discriminate on the basis of race, color, religion, sex, national origin, ancestry, age, disability, or veteran status in employment or in any program or activity offered or sponsored by the University. In addition, the University does not discriminate on any basis not related to the applicable educational requirements for students or the applicable job requirements for employees. The University maintains a grievance procedure incorporating due process available to any person who believes he or she has been discriminated against. Missouri State University is an Equal Opportunity/ Affirmative Action employer. Inquiries concerning the grievance procedure, Affirmative Action Plan, or compliance with federal and state laws and guidelines should be addressed to the Equal Opportunity Officer, Siceluff Hall 296, 901 South National, Springfield, MO 65804, (417) 836-4252.

Approved by Board of Governors
December 13, 2002

Student Disability Accommodation Policy and Procedures

Within the guidelines set forth in this policy, Missouri State University is committed to providing an accessible and supportive environment for students with disabilities. Equal access for qualified students with disabilities is an obligation of the University under Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. Missouri State University does not discriminate on the basis of disability against otherwise-qualified individuals in any program, service or activity offered by the University. The University is committed to insuring that no otherwise-qualified individual with a disability is excluded, denied services, segregated or otherwise treated differently than other individuals because of the absence of auxiliary aids or other appropriate services; however, accommodations cannot result in an undue burden to the University or fundamentally alter the requirements essential to a program of instruction.