



South Central College

VITI 1114 Spring Viticulture Technology

Course Outcome Summary

Course Information

Description	This course is designed to provide students initiated in the field of viticulture practical experience in 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: VITI 1111 or instructor permission).
Total Credits	2
Total Hours	48

Types of Instruction

Instruction Type	Credits/Hours
Lecture	1/16
Lab	1/32

Pre/Corequisites

VITI 1111 or instructor permission

Institutional Core Competencies

Critical and Creative Thinking - Students will be able to demonstrate purposeful thinking with the goal of using a creative process for developing and building upon ideas and/or the goal of using a critical process for the analyzing and evaluating of ideas.

Course Competencies

1. Explain irrigation and water management.

Learning Objectives

Discuss the water requirements and management strategies at given location.
Determine initiation and management of proper irrigation techniques.

2. Summarize procedures involved in the proper management of shoot density based on varieties and climate.

Learning Objectives

Explain the purpose of suckering and shoot thinning.
Demonstrate proper suckering and shoot thinning techniques for a specified trellis system.

3. Implement a vine fertility program.

Learning Objectives

Collect and evaluate soil samples.
Describe and explain tissue sampling for nutrient analysis.
Collect a vine tissue sample for nutritional analysis.
Implement nutritional plan based on analysis.
Discuss merits of, and execute a foliar fertilizer application.

4. Choose a spring pest and disease management strategy.

Learning Objectives

Identify and describe major spring pests and diseases in a given location.
Adapt existing management strategies for identified pests and diseases.
Modify a given spray schedule to accomplish the goals of a stated pest and disease management program.

5. Explain canopy micro climate and its impact on berry composition and fruit quality.

Learning Objectives

Demonstrate proper cluster thinning.
Describe proper shoot positioning.
Explain proper basal leaf removal.
List and describe the characteristics of canopy ideotype.

6. Prepare a summer pest and disease management strategy.

Learning Objectives

Identify weed and insect pests that affect vineyards during the summer.
List and demonstrate the steps used in sprayer calibration.
Describe proper chemicals for summer pests and prepare a list of potential choices.

SCC Accessibility Statement

South Central College strives to make all learning experiences as accessible as possible. If you have a disability and need accommodations for access to this class, contact the Academic Support Center to request and discuss accommodations. North Mankato: Room B-132, (507) 389-7222; Faribault: Room A-116, (507) 332-7222.

Additional information and forms can be found at: www.southcentral.edu/disability

This material can be made available in alternative formats by contacting the Academic Support Center at 507-389-7222.