



South Central College

## VITI 1113 Winter Viticulture Technology

### Course Outcome Summary

#### Course Information

<b>Description</b>	This course is designed to provide students initiated in the field of viticulture practical experience in winter 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)
<b>Total Credits</b>	2
<b>Total Hours</b>	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. Summarize the basic structure of a grapevine and its cycle of growth and development.**

**Learning Objectives**

Identify different parts of a grapevine.  
Describe the sequence of growth events through growing and dormant seasons.  
Explain the annual and perennial growth cycles.

**2. Identify basic pruning practices.**

**Learning Objectives**

Identify one-season old wood, diseased wood, live and dead buds, and base buds accurately.  
Describe and validate various pruning strategies.  
Differentiate between count and non-count buds.

Select renewal spurs and properly space fruiting spurs.  
Secure wood to trellis system properly.  
Remove pruned wood from vineyard.

**3. Explain the concepts of balanced pruning as applied to the dormant pruning process.**

**Learning Objectives**

Explain the concept of balanced pruning.  
Calculate the number of buds to retain based on pruning weight and the appropriate pruning formula.  
Perform bud counts on single vines.  
Prune vines using the results of the appropriate pruning formula.

**4. Indicate the propagation process and sourcing of clean materials.**

**Learning Objectives**

Demonstrate knowledge of propagation methods.  
Describe the process of how and why nurseries create clean planting material.  
Paraphrase the process of growers obtaining clean plant material.  
Demonstrate successful propagation processes.  
Evaluate need for replant and make vine orders for following season.

**5. Demonstrate the ability to implement a spring pest and disease management program, and initiate “good neighbor” policy.**

**Learning Objectives**

Identify the major spring pest and disease concerns in a given location.  
Describe early season pest and disease management strategies in a given location.  
List and demonstrate the steps used in sprayer calibration.  
Develop a protocol for informing neighbors of pest management practices.

**6. Explain the proper maintenance of a trellis.**

**Learning Objectives**

Design a checklist of tasks required for proper trellis maintenance.  
Perform or describe the specific tasks required for trellis maintenance at a given location.

**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](http://www.southcentral.edu/disability)

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