



South Central College

# VITI 1213 Regional Vineyard Management

## Course Outcome Summary

### Course Information

<b>Description</b>	This course is a general survey of vineyard management in the general wine growing regions in the Continental United States. The course covers management of the mature vineyard from region to region and builds on the topics covered prerequisite courses. (Prerequisites: VITI 1111 and one of the following VITI 1113, VITI 1114, VITI 1115)
<b>Total Credits</b>	2
<b>Total Hours</b>	32

### Types of Instruction

Instruction Type	Credits/Hours
Lecture	2/32

### Pre/Corequisites

VITI 1111 and one of the following VITI 1113, VITI 1114, VITI 1115

### Institutional Core Competencies

Communication - Students will be able to demonstrate appropriate and effective interactions with others to achieve their personal, academic, and professional objectives.

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. Describe the climatic challenges of different viticulture regions and how these limits impact vine management and variety choice in these regions.**

#### Learning Objectives

List degree day units, length of growing season, average annual rainfall, and cold hardiness zone for viticultural regions and explain how these numbers/classifications are derived.

Explain how these environmental parameters affect choice of variety and cultural management.

Indicate why the different wine grape varieties are appropriate to different production regions.

Describe the influence of variety cold hardiness as it relates to regional adaptation.

- 2. Demonstrate cultural challenges to grapevine growth and productivities.**

### **Learning Objectives**

Contrast and explain the reasons for different regional approaches in nutrient management.

Describe the reasons for different regional approaches in water management.

Distinguish the reasons for different regional approaches in canopy management.

Explain the reasons for different regional approaches in cropping.

### **3. Classify differences in fruit maturation related to region of production and the influence of these on timing of harvest and choice of harvesting methods.**

#### **Learning Objectives**

List the factors that are considered in order to determine when to harvest grapes.

Explain the advantages and disadvantages of hand and mechanical harvest and give the basis for choice in harvesting.

Contrast and explain the regional/climatic impacts on fruit composition and subsequent decision on when to harvest.

### **4. Identify regional/climatic impacts on balanced cropping of grapevines.**

#### **Learning Objectives**

Contrast and explain regional/climatic differences in crop control.

Identify the problems associated with over cropping and under cropping.

### **5. Summarize the factors involved when grapevines are exposed to temperature extremes.**

#### **Learning Objectives**

Explain and contrast the regional/climatic impacts of excessive heat and excessive cold in regions where those extremes occur.

Explain cultural management practices that impact grapevine cold hardiness and heat tolerance.

### **6. Interpret how curriculum goals 1 through 5 have an impact on economic sustainability.**

#### **Learning Objectives**

Explain how climate, canopy management and crop management impact regional economic sustainability.

Recognize how the term balance is used in regional vineyard management in relation to canopy management, crop management, crop quality, and economic sustainability.

Contrast the regional and climatic issues that influence choices in variety, training and basic vineyard management in a manner that is economically sustainable.

### **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.