



## Syllabus

### VIT 200 Vineyard Management

#### General Information

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**Date**

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**Author**

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**Department**

Environmental Conservation and Horticulture

**Course Prefix**

VIT

**Course Number**

200

**Course Title**

Vineyard Management

#### Course Information

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**Credit Hours**

3

**Lecture Contact Hours**

3

**Lab Contact Hours**

0

**Other Contact Hours**

0

**Catalog Description**

This course is designed for students already familiar with the basics of viticulture. Lecture topics covered will include integrated pest management, canopy management, foliar sampling, sustainable management practices, and how cropping systems affect vine vigor. Labor management and grape contracts will be discussed. A team sustainability project will be completed focusing on a sustainability issue pertinent to the Finger Lakes wine growing region. A site selection project will be completed by evaluating and theoretically developing a real site for its potential as a vineyard.

**Key Assessment**

This course does not contain a Key Assessment for any programs

**Prerequisites**

VIT 105

**Co-requisites**

None

**Grading Scheme**

Letter

## First Year Experience/Capstone Designation

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This course DOES NOT satisfy the outcomes applicable for status as a FYE or Capstone.

## SUNY General Education

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This course is designated as satisfying a requirement in the following SUNY Gen Ed category

None

## FLCC Values

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**Institutional Learning Outcomes Addressed by the Course**

Vitality  
Inquiry  
Perseverance  
Interconnectedness

## Course Learning Outcomes

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**Course Learning Outcomes**

1. Prepare a management action plan for a vineyard while considering predicted and hypothetical water relations, nutrient availability, and pest pressure
2. Manage and evaluate a canopy microclimate for efficient sunlight interception and airflow appropriate to site and variety characteristics
3. Critically evaluate and report on sustainable practices for a specific aspect of viticulture in the Finger Lakes
4. Analyze different spraying technologies to minimize drift and maximize spray effectiveness

## Outline of Topics Covered

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1. Vineyard Economics
  - a. Marketing

- b. Contracts
- 2. GIS
  - a. Uses in design
  - b. Uses in management
- 3. Hydrological cycles in vineyards
  - a. Irrigation
  - b. Drainage
- 4. Nutrition
  - a. Pre-plant preparation
  - b. Organic
  - c. Conventional
- 5. Canopy Management
  - a. Balance Pruning
  - b. Efficient Sunlight interception
  - c. Trellis planning
  - d. Trellis implementation
- 6. Other issues in the vineyard
  - a. Safety
  - b. Health
- 7. Sustainability
  - a. Vineyard Topics as assigned
- 8. Site Evaluation
  - a. terrain
  - b. soils
  - c. Climate
- 9. Cover crops with grapes
  - a. Site preparation
  - b. Establishment
  - c. Variety of seed
- 10. Vineyard Design
  - a. Layout
  - b. Planning

- c. Execution

11. Vineyard Systems

- a. Erosion

- b. Residual chemicals

- c. vineyard wastes

- d. nutrients

12. Integrated Pest Management

- a. Disease

- b. Insect

- c. Weeds