Syllabus

HRT 236 Cannabis Cultivation

General Information

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Department Conservation

Course Prefix HRT

Course Number 236

Course Title Cannabis Cultivation

Course Information

Catalog Description This course will familiarize students with the growth requirements of cannabis. Topics include: cannabis lifecycle, propagation, growing techniques, environmental requirements for proper growth, pest pressure and management, and harvest techniques. Practical greenhouse experience included.

Credit Hours 3

Lecture Contact Hours 3

Lab Contact Hours 0

Other Contact Hours 0

Grading Scheme Letter

Prerequisites

None

Co-requisites

None

First Year Experience/Capstone Designation

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

SUNY General Education

This course is designated as satisfying a requirement in the following SUNY Gen Ed category
None

FLCC Values

Institutional Learning Outcomes Addressed by the Course
Vitality, Inquiry, and Perseverance

Course Learning Outcomes

Course Learning Outcomes

1. Compare and contrast production methods including container/soilless mix and hydroponic from seed to maturity.
2. Describe the basics of cannabis cultivation including proper watering, fertilizing, transplanting and pruning.
3. Analyze the best methods of pest identification and control.
4. Describe the qualities of varying species.

Outline of Topics Covered

- **I. Introduction**
  - **a. History of cannabis usage**
  - **b. Species variations**
- **II. Cannabis Lifecycle**
  - **a. Seeds and seedlings**
  - **b. Vegetative growth**
  - **c. Flowering: flower parts**
- **III. Seeds and seedlings**
  - **a. How to germinate seeds**
  - **b. How to plant seeds**
  - **c. Seedling care**
  - **d. Storing seeds**
- **IV. Vegetative growth**
  - **a. Transplanting**
  - **b. Pruning techniques**

c. Grafting
d. Stress

V. Nutrients
a. Macronutrients
b. Micronutrients
c. Fertilizers
d. Synthetic fertilizers: mixing and applying
e. Organic fertilizers: compost and compost teas

VI. Container culture
a. Soilless mixes
b. Meter use: pH and EC

VII. Hydroponic culture
a. Methods: aeroponic, ebb and flow, deep water culture, hydro-organic
b. Nutrients: solutions, pumps, air pumps, substrates, disorders

VIII. Pests
a. Insects and mites
b. Pathogens
c. IPM: monitoring, sanitation, beneficial insects, pesticides.

IX. Harvesting
a. Timing
b. Drying
c. Curing
d. Packaging methods
e. Storing

Program Affiliation

This course is not required as a core course in any programs.