

# Dakota County Technical College

## LAHT 1420: Protected Horticulture

### A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 3

Lab Hours/Week: \*.\*

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course presents basic concepts of growing plants under protective cover or in containers so as to better control the above and/or below ground environment. This course is applicable to anyone who grows plants in greenhouses, cold frames, interior landscapes, ornamental containers and elsewhere.

**B. COURSE EFFECTIVE DATES:** 08/23/2010 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

### D. LEARNING OUTCOMES (General)

1. analyze fertilizer requirements and types required of plants grown in protected environments
2. become familiar with common pests and diseases associated with protected growing environments
3. become familiar with sexual (seed) and asexual (vegetative) plant propagation techniques
4. design and create container plantings
5. discuss basic concepts of environmental control and manipulation
6. introduce students to protected growing environments - greenhouses, cold frames, crop tunnels, etc
7. understand basic concepts of watering practices and water quality issues
8. understand components of various planting media and containers
9. understand maintenance requirements specific to growing plants in protected environments
10. understand the planning and production process for a bedding plant crop

### E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

### G. SPECIAL INFORMATION

None noted