PROTECTED HORTICULTURE — LAHT 1420

A. Course Description
   - Credits: 3.00
   - Lecture Hours/Week: 3.00
   - Lab Hours/Week: 0.00
   - OJT Hours/Week: 0
   - 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: 8/23/10 – Present

C. Outline of Major Content Areas
   - As noted on course syllabus

D. Learning Outcomes
   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

F. Learner Outcomes Assessment
   - As noted on course syllabus
G. Special Information

None noted