IRRIGATION AND WATER GARDENING — LAHT 2115

A. Course Description

- Credits: 3.00
- Lecture Hours/Week: 2.00
- Lab Hours/Week: 1.00
- OJT Hours/Week: 0
- Prerequisites: None
- Corequisites: None
- MnTC Goals: None

This course covers the fundamentals of lawn and landscape irrigation, water garden features such as; ponds, streams / waterfalls, pond-less waterfalls, rain gardens, and bogs. Subjects include; materials, design, and principles of installation. Aquatic components such as; pumps, filter systems, lighting, plants, and fish will be covered.

B. Course Effective Dates: 1/12/15 – Present

C. Outline of Major Content Areas

- As noted on course syllabus

D. Learning Outcomes

1. Student will be able to describe maintenance practices and repair of irrigation systems and water gardens.
2. Student will be able to describe the processes of winterization of irrigation and water garden features.
3. Student will be able to design lawn irrigation systems.
4. Student will be able to design low flow irrigation systems.
5. Student will be able to design water features such as ponds and waterfalls
6. Student will be able to explain irrigation system hydraulics.
7. Student will be able to explain the selection and installation of water garden plants and fish.
8. Student will be able to gather site data for design of irrigation and water features.
9. Student will be able to identify and explain the function of irrigation and water feature components.

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

F. Learner Outcomes Assessment

- As noted on course syllabus
G. Special Information

None noted