A. Course Description

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

This course is a follow-up to LAHT2120 Landscape Surveying and will cover concepts of grading and drainage as utilized by landscape design and construction professionals on a site-specific scale. Students will learn how to read existing landforms and anticipate potential problems related to stormwater run-off. Students will learn how to manipulate landforms for functional, aesthetic and storm water management reasons with a priority set on minimizing disruption to existing on and off site features. An understanding of site topography and hydrology coupled with the ability to thoughtfully manipulate landforms will allow designers and contractors to create landscapes that are functional and aesthetically pleasing while avoiding costly mistakes associated with improper site drainage.

B. **Course Effective Dates:** 10/7/10 – Present

C. **Outline of Major Content Areas**

   As noted on course syllabus

D. **Learning Outcomes**

1. acquire skills necessary in reading and understanding landforms from topographic maps and grading plans
2. become skilled in the use of mathematical formulas typically used in preparing grading plans
3. demonstrate ability in designing and drafting basic grading plans
4. demonstrate ability to incorporate built structured (stairs, ramps and retaining walls) as part of grading solutions
5. demonstrate knowledge in the manipulation of landforms for functional, aesthetic and stormwater management purposes

E. **Minnesota Transfer Curriculum Goal Area(s) and Competencies**
F. **Learner Outcomes Assessment**
   
   As noted on course syllabus

G. **Special Information**

   None noted