CIVIL DRAFTING — CIVL 1222

A. Course Description
   - Credits: 4.00
   - Lecture Hours/Week: 1.00
   - Lab Hours/Week: 3.00
   - OJT Hours/Week: 0
   - Prerequisites: None
   - Corequisites: None
   - MnTC Goals: None

An introduction to large scale mapping as used in highway and site design. Laboratory exercises include preparation of site plans, boundary surveys, and road plans. Laboratory exercises make extensive use of Autodesk Civil 3D. Prerequisites: CIVL 1121

B. Course Effective Dates: 1/9/17 – Present

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

D. Learning Outcomes
   1. Calculate dirt volumes
   2. Create and edit feature lines
   3. Create and modify profiles
   4. Create cross-section sample lines and views
   5. Create grading
   6. Create, and modify assemblies
   7. Create, and modify corridors
   8. Create, modify, and edit alignments
   9. Create, modify, and edit right-of-ways and parcels
  10. Create, modify, and edit surfaces
  11. Import, create, and manage points
  12. Understand the Civil 3D Environment
  13. Work with pipe networks

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

G. Special Information
   None noted