

# Bemidji State University

## TADT 1460: 2D Graphics And Laser Etching

### A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: \*.\*

Lab Hours/Week: \*.\*

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

An introduction to the principles and practices of technical drawing. The course provides a working familiarity with computer-aided design and drafting through the study of multi-view, pictorial drawing systems, and their applications to laser etching.

**B. COURSE EFFECTIVE DATES:** 08/25/2014 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Mechanical Drawing
2. Residential Drawing

### D. LEARNING OUTCOMES (General)

1. interpret basic engineering and design graphics: drawings, symbols, and terminology
2. describe a variety of technical graphics applications
3. apply the basic principles of orthographic projection
4. communicate design concepts through technical sketches and working drawings
5. create basic multi-view and pictorial drawings according to standard practices
6. demonstrate a working familiarity with CAD software

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

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

### G. SPECIAL INFORMATION

None noted