CMAE 1510: Print Reading

A. COURSE DESCRIPTION

   Credits: 2
   Lecture Hours/Week: 2
   Lab Hours/Week: 0
   OJT Hours/Week: *
   Prerequisites: None
   Corequisites: None
   MnTC Goals: None

   This course will give students an understanding of basic mechanical drawing principles. Topics include
   the alphabet of lines, arrangement of views, orthographic projections, scaling, dimensioning, tolerancing,
   and symbols. Students will read and interpret mechanical drawings. (Prerequisite: none) (2 credits: 2
   lecture/0 lab)

B. COURSE EFFECTIVE DATES: 02/20/2020 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

   1. Drawings and prints
   2. Dimensioning techniques
   3. Tolerancing application
   4. Machining details
   5. Section views

D. LEARNING OUTCOMES (General)

   1. Interpret types of multi-view drawings within manufacturing
   2. Evaluate drawings based on information in the title block, notes, and tables
   3. Explain line types, symbols, and dimensions on mechanical drawings
   4. Apply tolerances to determine dimensional limits on drawings

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

   None

F. LEARNER OUTCOMES ASSESSMENT

   As noted on course syllabus

G. SPECIAL INFORMATION

   None noted