Alexandria Technical and Community College

WELD 1605: Blueprint Reading I

A. COURSE DESCRIPTION
   Credits: 2
   Lecture Hours/Week: 2
   Lab Hours/Week: *.*
   OJT Hours/Week: *.*
   Prerequisites: None
   Corequisites: None
   MnTC Goals: None

   Learners receive instruction and practice in interpreting various types of engineering drawings used in metal manufacturing firms. The emphasis is on weldment drawings and the AWS Standard Symbol system; however, primary emphasis is on actual interpretation of typical job shop prints in terms of line identification, view identification, dimensioning, symbols, and abbreviations.

B. COURSE EFFECTIVE DATES: 12/30/1997 - Present

C. OUTLINE OF MAJOR CONTENT AREAS
   1. Understand need for blueprints.
   2. Interpret types and components of prints.
   3. Understand material specifications.
   4. Identify structural shapes.
   5. Identify AWS welding symbols and explain purposes.
   6. Understand different material and alloys.

D. LEARNING OUTCOMES (General)
   1. The learner will demonstrate skills in the interpretation of a basic engineering drawing.
   2. The learner will demonstrate skills and knowledge in advanced interpretation to ANSI standards of engineering drawing.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies
   None

F. LEARNER OUTCOMES ASSESSMENT
   As noted on course syllabus

G. SPECIAL INFORMATION
   None noted