Minnesota State College Southeast

MDAD 1220: Working Drawings Lab

A. COURSE DESCRIPTION
   Credits: 4
   Lecture Hours/Week: *.*
   Lab Hours/Week: 8
   OJT Hours/Week: *.*
   Prerequisites: None
   Corequisites: None
   MnTC Goals: None
   This course gives the student an opportunity to produce complete technical drawings. These drawings will include assemblies, sectioning, castings, machine parts, tolerancing, sheet metal developments, fasteners, and weldments. (Prerequisites: MDAD1202, MDAD1204) (4 credits: 0 lecture/4 lab)

B. COURSE EFFECTIVE DATES: 10/15/1998 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

D. LEARNING OUTCOMES (General)
   1. Prepare formal drawings from verbal instructions
   2. Prepare formal drawings from layouts
   3. Prepare formal drawings from sketches
   4. Apply proper dimensioning and tolerancing
   5. Complete part drawings using castings
   6. Complete assembly drawings using castings
   7. Complete part drawings using sections
   8. Complete assembly drawings using sections
   9. Complete part drawings using springs
   10. Complete assembly drawings using springs
   11. Complete part drawings using fasteners
   12. Complete assembly drawings using fasteners
   13. Complete sheet metal drawings
   14. Complete weldment 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