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