

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