

Minnesota State College Southeast

MDAD 1218: Working Drawings

A. COURSE DESCRIPTION

Credits: 2

Lecture Hours/Week: 2

Lab Hours/Week: *.*

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

The course is meant to provide the student with a solid understanding of what is required of industrial technical drawings. This course covers assemblies, sectioning, castings, machine parts, tolerancing, sheet metal developments, fasteners, and weldments. (Prerequisites: MDAD1202, MDAD1204) (2 credits: 2 lecture/0 lab)

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

C. OUTLINE OF MAJOR CONTENT AREAS

D. LEARNING OUTCOMES (General)

1. Analyze dimensioning and tolerancing
2. Analyze engineering change orders
3. Analyze assemblies and their components
4. Analyze castings
5. Analyze sections
6. Analyze proper technical drawing techniques
7. Analyze springs
8. Analyze fastening Systems
9. Analyze pipe threads
10. Analyze screw threads
11. Analyze sheet metal layouts
12. Analyze welding technologies

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted