

Minnesota State College Southeast

MDAD 1271: CAD Elective Drawing 1

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 3

Lab Hours/Week: *.*

OJT Hours/Week: *.*

Prerequisites:

This course requires both of these prerequisites

MDAD 1204 - Autocad

MDAD 1250 - Print Reading for CAD Design

Corequisites: None

MnTC Goals: None

The course is meant to provide the student with a course that allows him or her to expand their understanding of various types of CAD drawings. The student will be given examples of prints from which to reproduce or create new designs. These prints can vary from mechanical, electrical, to architectural and more. Other topics may include transferring files across different formats, block creation, and attributes. The listed types of prints may not be covered each semester. The drawings will be completed to industry standards. The course can be taken after completion of the prerequisites. (Prerequisites: MDAD1250 and MDAD1241) (3 credits: 3 lecture/0 lab).

B. COURSE EFFECTIVE DATES: 02/13/2012 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

D. LEARNING OUTCOMES (General)

1. Analyze and complete assembly drawings
2. Analyze piece part drawings
3. Complete a variety of CAD prints
4. Analyze documentation
5. Complete technical drawings that meet industry standards
6. Analyze file translation

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted