

Minnesota State College Southeast

MDAD 1258: Advanced CAD Concepts

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 3

Lab Hours/Week: *.*

OJT Hours/Week: *.*

Prerequisites:

This course requires the following prerequisite

MDAD 1252 - Working Drawings 1 for CAD Design

Corequisites: None

MnTC Goals: None

This is an elective course that focuses on expanding the basics of the overall program. The student will complete at least one complex assembly and detail drawings meant to enhance their skills. Special note: The student is required to purchase a student version of Solidworks, Inventor, or equivalent 3d software. (Prerequisites: MDAD1252) (3 credits: 3 lecture/0 lab)

B. COURSE EFFECTIVE DATES: 01/25/2012 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

D. LEARNING OUTCOMES (General)

1. Complete technical drawings that meet industry standards
2. Analyze and complete assembly drawings
3. Analyze piece part drawings
4. Create an action plan for the class that spells out the drawing project or projects the student intends to complete
5. Gain instructor approval of the action plan
6. Implement and complete the action plan

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted