

Minnesota State College Southeast

MDAD 1272: CAD Elective Drawing 2

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 3

Lab Hours/Week: *.*

OJT Hours/Week: *.*

Prerequisites:

This course requires both of these prerequisites

MDAD 1241 - Solidworks

MDAD 1250 - Print Reading for CAD Design

Corequisites: None

MnTC Goals: None

This course will cover advanced CAD functions used by professionals. Using a hands-on approach you will create a project in a 3D environment using Autodesk Inventor, Solidworks or similar free software available from the internet with instructors approval. You will be required to have some device capable of taking digital photos such as a camera or cell phone with this ability. Photos will need to be downloaded into the dropbox area along with drawings, etc. (Prerequisite: MDAD1241 and MDAD1250) (3 Credits: 2 lecture/1 lab)

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

C. OUTLINE OF MAJOR CONTENT AREAS

D. LEARNING OUTCOMES (General)

1. Basic drawing
2. Extruding forms
3. Assembly of parts and exploded views
4. Organizing your model
5. Printing
6. Modeling with photographs
7. Printing
8. Create animations
9. Create documents
10. Creating bill of materials

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted