

Minnesota State College Southeast

MDAD 1255: CAD Drawing Using Free Software

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 3

Lab Hours/Week: *.*

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course will cover CAD functions used by professionals, as well as those with no experience, in the CAD drafting field. Using a hands-on approach with scanned photos, students will recreate them in a 3D environment using Google Sketchup or similar free software available from the internet. (Prerequisite: none) (3 credits: 3 lecture/0 lab)

B. COURSE EFFECTIVE DATES: 01/24/2012 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

D. LEARNING OUTCOMES (General)

1. Basic drawings
2. Extruding forms
3. Scaling
4. Organizing your model
5. Modeling with photographs
6. Adding styles and shadows
7. Printing
8. Exporting images and animations
9. Creating documents

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted