

Minnesota State College Southeast

MDAD 1241: Solidworks

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 1

Lab Hours/Week: 4

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course covers the fundamentals of Solidworks parametric drawing and design. The student will use Solidworks to create 3D parametric models as well as use these models to create engineering drawings and documentation. (Prerequisite: none) (3 credits: 1 lecture/2 lab)

B. COURSE EFFECTIVE DATES: 09/13/2004 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

D. LEARNING OUTCOMES (General)

1. Analyze Solidworks 3D parametric design software and its functions
2. Manipulate 3D parametric models
3. Create working 3D parametric models
4. Create 3D parametric assemblies
5. Create detail drawings and assemblies from 3D parametric models
6. Explore sheet metal drawings
7. Explore mold design

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted