

Lake Superior College

CADE 1468: Solidworks I

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 2

Lab Hours/Week: 2

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course covers the basic areas of Computer Aided Design using SolidWorks three-dimensional design software. Students will design and draw model components and subassemblies of mechanical and industrial products in animation. SolidWorks has become widely used in the manufacturing industry. (Prerequisites: ENGL0950 or ENGL0955 or READ0950 or READ0955, or equivalent, or 78 or higher on the reading comprehension portion of the CPT and MATH0520; or concurrent enrollment) (2 hrs lec/2 hrs lab/0 hrs OJT)

B. COURSE EFFECTIVE DATES: 08/24/2009 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. 01
2. 01
3. 01
4. 01
5. 01
6. 01

D. LEARNING OUTCOMES (General)

1. perform the basics of sketching
2. profile various casting features
3. draw using revolved features
4. incorporate geometric dimensions and properties
5. design and dimension molded parts
6. incorporate various patterns

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted