Minnesota State
Community and Technical College

MCDD2200 - Advanced Modeling with SolidWorks

Credits:	3 (2/1/0)
Description:	This course covers advanced part modeling, assembly modeling, sheet metal, weldments and presentation files in the latest version of the SolidWorks drawing software package.
Prerequisites:	• CADD1400 • MCDD1106
Corequisites:	
Pre/Corequisites*:	
Competencies:	1. Analyze top down, bottom up and middle out assembly configurations in SolidWorks. 2. Utilize advanced part modeling tools. 3. Demonstrate design automation techniques. 4. Utilize assembly constraints. 5. Manipulate sheet metal fabrication environment and utilize sheet metal tools. 6. Demonstrate application techniques for hole tables. 7. Demonstrate application techniques for a bill of materials. 8. Manipulate and utilize presentation environment for exploded assembly models. 9. Apply SmartMate rules and constraints to assembly geometry.
MnTC goal areas:	None

*Can be taking as a Prerequisite or Corequisite.