DET2210 - Advanced Modeling with Inventor

Credits:	3 (2/1/0)
Description:	This course covers advanced part modeling, assembly modeling, sheet metal, frame generator and presentation files in the latest version of the Inventor software package.
Prerequisites:	• CADD1410 • DET1106
Corequisites:	
Pre/Corequisites*:	
Competencies:	1. Analyze top-down, bottom-up and middle-out assembly configurations. 2. Utilize advanced part modeling tools for feature generation. 3. Demonstrate design intent concepts and techniques. 4. Utilize and appropriately apply assembly constraints to control degrees of freedom in assemblies. 5. Manipulate sheet metal fabrication standards and default settings to reflect industry standards. 6. Utilize sheet metal tools to create folded sheet metal parts and flat patterns. 7. Manipulate and utilize the presentation environment to create exploded assembly models and animations. 8. Identify and properly apply balloon callouts on assembly drawings. 9. Manipulate settings for a bill of material in assembly drawings and utilize them to generate accurate parts lists.
MnTC goal areas:	None

**Can be taking as a Prerequisite or Corequisite.*

© 2026 Minnesota State Community and Technical College.
We reserve the right to periodically update information without notice.
The information in this publication should not be regarded as contractual in nature.