CADD2214 - Advanced Solids and Parametric Modeling

Credits:	4 (2/2/0)
Description:	This course covers advanced part modeling, assembly modeling, sheet metal and presentation files in the latest versions of the Inventor and SolidWorks drawing software.
Prerequisites:	• CADD1114
Corequisites:	
Pre/Corequisites*:	
Competencies:	1. Analyze top down, bottom up, and middle out assembly configurations. 2. Analyze middle out assembly configurations. 3. Utilize advanced part modeling tools. 4. Demonstrate design automation techniques. 5. Utilize assembly constraints. 6. Manipulate sheet metal fabrication environment. 7. Utilize sheet metal tools. 8. Demonstrate application techniques for hole tables. 9. Demonstrate application techniques for a bill of materials. 10. Utilize presentation environment for exploded assembly models. 11. Apply motion rules to exploded assembly models. 12. Apply iMate rules and constraints to assembly geometry.
MnTC goal areas:	None

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