CADD1114 - Introduction to Solids and Parametric Modeling

Credits:	4 (2/2/0)
Description:	This course is an introduction to solid modeling and model derived drawing layouts using the latest versions of the AutoCAD, Inventor and SolidWorks drawing software.
Prerequisites:	• CADD1102 • MCDD1102
Corequisites:	
Pre/Corequisites*:	
Competencies:	1. Analyze static solid and parametric solid models. 2. Analyze design intent for solid models. 3. Apply XY drawing plane and dynamic UCS rules. 4. Utilize Boolean commands and solids editing tools. 5. Generate drawing layouts from solid models. 6. Demonstrate file management for dwg, ipt, iam, idw, ipn, and sldprt files. 7. Analyze sketch creation modes for parametric and non-parametric softwares. 8. Analyze part creation modes. 9. Apply feature creation and application techniques. 10. Utilize browser panel functions. 11. Utilize multiple design environments for part and assembly modeling. 12. Utilize material applications for mass properties generation. 13. Apply file associativity and bi-directional associativity to model and assembly geometry.
MnTC goal areas:	None

Can be taking as a Prerequisite or Corequisite.