

## MCDD2230 - 3D Printing and Prototyping

Credits:	2 (1/1/0)
Description:	This course covers the basic concepts of rapid prototyping for manufacturing utilizing three-dimensional printers and scanning equipment.
Prerequisites:	<ul style="list-style-type: none"><li>• CADD1400</li></ul> OR <ul style="list-style-type: none"><li>• CADD1410</li></ul> OR <ul style="list-style-type: none"><li>• CADD2120</li></ul>
Corequisites:	
Pre/Corequisites*:	
Competencies:	<ol style="list-style-type: none"><li>1. Calculate scale factors for printed models.</li><li>2. Generate solid model geometry for printing.</li><li>3. Perform build box geometry manipulations.</li><li>4. Demonstrate the steps required for machine setup.</li><li>5. Demonstrate proper procedures for removing completed models from machines.</li><li>6. Demonstrate proper techniques for machine maintenance.</li></ol>
MnTC goal areas:	None

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