

## DET2230 - 3D Printing and Prototyping

Credits:	2 (1/1/0)
Description:	This course covers the basic concepts of 3D printing and rapid prototyping utilizing various three-dimensional printers and scanning equipment.
Prerequisites:	<ul style="list-style-type: none"> <li>• CADD1410</li> <li>OR</li> <li>• ARCH2248</li> <li>OR</li> <li>• CADD1400</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 3D printing from existing drawings.</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 machine build plates.</li> <li>6. Demonstrate proper techniques for machine maintenance.</li> </ol>
MnTC goal areas:	None

\*Can be taking as a Prerequisite or Corequisite.