

## MCDD2112 - Geometric Dimensioning and Tolerancing

Credits:	2 (2/0/0)
Description:	The objective of this course is to develop the student's understanding and application of a self-defined set of symbols, rules, definitions and conventions used to describe the size, form, orientation and location of part features.
Prerequisites:	<ul style="list-style-type: none"> <li>• CADD1000</li> <li>• MCDD1104</li> </ul>
Corequisites:	<ul style="list-style-type: none"> <li>• MCDD1106</li> </ul>
Pre/Corequisites*:	
Competencies:	<ol style="list-style-type: none"> <li>1. Describe geometric tolerancing Rule 1 and Rule 2.</li> <li>2. Define maximum and least material conditions relative to both internal and external features.</li> <li>3. Define regardless of feature size and how it affects part tolerancing.</li> <li>4. Apply datums to appropriate part features and define datum precedence.</li> <li>5. Apply material condition symbols to features of varying shapes.</li> <li>6. Apply form, position, location, orientation and run-out tolerances.</li> <li>7. Explain virtual condition based on a part's given dimensions and tolerances.</li> <li>8. Explain the function of primary, secondary and tertiary datum points.</li> </ol>
MnTC goal areas:	None

\*Can be taking as a Prerequisite or Corequisite.