

## MCDD1106 - Mechanical Engineering Drawing II

Credits:	4 (0/4/0)
Description:	The objective of this course is to develop the student's use and knowledge of pictorial drawings, sheet metal, pattern layout and welding drawing. Mechanical fasteners will be identified.
Prerequisites:	• MCDD1104
Corequisites:	
Pre/Corequisites*:	
Competencies:	<ol style="list-style-type: none"><li>1. Apply welding symbols.</li><li>2. Calculate seam allowances.</li><li>3. Construct bend allowances.</li><li>4. Analyze fastener requirements.</li><li>5. Identify types of temporary fasteners.</li><li>6. Identify types of permanent fasteners.</li><li>7. Construct weldment drawings.</li><li>8. Identify weld joint types and applications.</li><li>9. Calculate design tolerances.</li><li>10. Complete a basic material take-off.</li><li>11. Create pattern developments.</li><li>12. Describe plain bearings and rolling element bearings.</li><li>13. Calculate gear ratios.</li><li>14. Describe parallel, intersecting and non-intersecting gear types.</li><li>15. Explain cam displacement diagrams.</li><li>16. Identify gear structure.</li></ol>
MnTC goal areas:	None

\*Can be taking as a Prerequisite or Corequisite.