

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"> 1. Apply welding symbols. 2. Calculate seam allowances. 3. Construct bend allowances. 4. Analyze fastener requirements. 5. Identify types of temporary fasteners. 6. Identify types of permanent fasteners. 7. Construct weldment drawings. 8. Identify weld joint types and applications. 9. Calculate design tolerances. 10. Complete a basic material take-off. 11. Create pattern developments. 12. Describe plain bearings and rolling element bearings. 13. Calculate gear ratios. 14. Describe parallel, intersecting and non-intersecting gear types. 15. Explain cam displacement diagrams. 16. Identify gear structure.
MnTC goal areas:	None

*Can be taking as a Prerequisite or Corequisite.