

MCDD1104 - Mechanical Engineering Drawing I

Credits:	4 (1/3/0)
Description:	The objective of this course is to develop the student's knowledge and use of machine drafting, lettering, line identity and application, orthographic projection, dimensioning practices, and section and auxiliary drawings.
Prerequisites:	
Corequisites:	
Pre/Corequisites*:	
Competencies:	<ol style="list-style-type: none"> 1. Investigate various types of technical drawings. 2. Utilize conventional drafting equipment for sketching and drawing layout. 3. Correctly read and interpret architectural, mechanical and metric scales. 4. Apply sketching and lettering techniques. 5. Display fundamental line construction skills. 6. Apply dimensions to appropriately define drawings. 7. Create section view drawings. 8. Create auxiliary view drawings. 9. Construct and explain titleblocks and bill of materials. 10. Explain and construct multi-view drawings. 11. Explain and apply American National Standards Institute (ANSI)/American Society for Testing and Materials (ASTM) standards. 12. Construct assembly drawings.
MnTC goal areas:	None

*Can be taking as a Prerequisite or Corequisite.