



SYLLABUS TEMPLATE

Course Number Course Name	DRFT 100 Computer Aided Drafting I
Credit Value (Breakdown of theory and lab credits)	4 (3 Theory + 1 Studio)
Catalog Course Description	You will develop basic drafting skills using a computer-aided drafting software, including lettering, scales, line types, line weight, 2- and 3- view orthographic projection, isometric view, dimensioning, and sectioning. (4, 3T + 1S)
Student Learning Outcomes/Objectives /Competencies of the Course	<ol style="list-style-type: none"> 1. Basic Concepts, Sketching techniques, Lettering 2. Multiview drawing: orthographic projection, planes of projection, types of planes, line and surfaces, fillets and rounds. 3. Isometric drawing: isometric projection theory, isometric drawing Vs. isometric projection, inclined and oblique surface. 4. Line types: drawing line types, hidden line technique. 5. Auxiliary and sectional views. 6. Measurements and scale 7. Dimensioning: dimensioning lines types, terminology, symbols, dimensioning standards and techniques. 8. Threads: thread terminology, thread profiles. 9. Working drawings: assembly drawings, exploded isometric assemblies. 10. Solidworks: Introduction to Solidworks, user interface, sketching, relations, and the base feature, adding features, creating part drawings, dimensioning and annotating drawings.
College-Wide Student Learning Outcomes	<p>DRFT 100 learning objectives align with the following NNMC College Wide Goal:</p> <p>Critical Thought</p>