



Course Title: Blue Print I

Course Number: MFG 124

Credits: 3

CATALOG DESCRIPTION: The course covers basic skills for a manufacturing environment. Course includes view orientation, drawing, symbols, dimensioning, views, title block, machining specifications and more

COURSE OBJECTIVES: At the conclusion of this course the student will be able to:

1. Understand Technical drafting practices,
2. Understand Drafting terminology
3. Sketch and design a vast array of drawing Blueprints
4. Understand Blueprint and drafting standards set forth by industry related to manufacturing
5. Understand and use of procedures and processes, including the visualization of multi-view drawings
6. Blueprint reading literacy, and the application of Blueprint to a variety manufacturing and engineering fields.

COURSE CONTENT

1. Prints, Design and Mfg. process
2. Line Usage- Alphabet of lines
3. Visualizing Shapes
4. Orthographic Projection Multi-view drawings Normal and inclined surfaces and lines
5. Title Blocks Dimensioning
6. Orthographic Projection/Multi –View Drawings
7. Rounds and Fillets Holes C-Bore
8. Pictorial Drawings Isometric drawings
9. Title Blocks and Parts
10. Basic Drawing Commands
11. Orthographic Projection Multi-view drawings
12. Pictorial Drawings/Perspectives Oblique's