



Blueprint Reading – Machine Trades

Course Schedule

	Subject	Notes
Week 1	History of blueprints, plan views, elevations. Types of drawings you will find while pursuing blueprint reading and blueprint creating skills. What are the types of jobs that require or would benefit from the ability to read and understand blueprints? Why Multiview drawings? Orthographic projection or Multiview drawing. Define and name the different types of lines used in drawings to start your verbal toolkit.	See Note below.
Week 2	Review of Orthographic projection, visible lines, projection lines, do in class workbook problems. Objective: Explain the importance of relative positions of views and why these views were selected.	
Week 3	Title Block Information Objective; Identify locations of information on a print and explain the purpose of various notes, title block information, etc."	
Week 4	Sectional Views , dimensioning. Objective: To explain the purpose of sectional views, discuss the cutting plane and the viewing direction of the sectional views.	
Week 5	Basic Mathematics Review Objective: To review math as specified on prints. Practice Feeds and	

Subject	Notes
Speeds and point to point to introduce you to CNC programming to make parts	
Week 6	Threads and Fastening Devices, Objective: Review many of the different types of fasteners and their specifications.
Week 7	Geometric Feature Control: course review Objective: To present a brief overview / description of the symbols and meaning of the geometric dimensioning process.

Notes: Grades

- Your grade will be given on class participation; willingness to be engaged with the material, videos and other class mates and completion of weekly homework.
- If a letter grade is required there will be TWO take home tests, shared with your employer. Use of the text book during tests is encouraged. Sketching and drawing is required. Other blueprint reading related skills could be; sharing your workplace website with the class and describing your current job or the use of blueprint development for a hobby or personal invention.