

Engineering drawing (1)

Course Code: 35311
Credits: 2
Course Type: Graphics
Prerequisites: -
Course Length: 68 Hours

Outlines:

Brief history of engineering drawing. Interrelationship of Engineering drawing and design. Drawing instruments, computer drafting equipments. Projecting views, orthographic, Oblique and perspective projections Axonometric and oblique drawings. ISO recommendation and methods of obtaining views. I.S.O Standards for drawing, Three and Six views. First and third angle drawing. Geometric relationship between views, surface analyzing methodology, volume analyzing method, visualizing an object from given views, representing fillet and rounds, section views, half section, broken section, revolved sections, removed sections, auxiliary views, exceptions in sections .Isometric screw threads standards, internal threads and schematic representation, view of threads, graphical calculus, graphical differentiation, graphical integration, functional scales preparation

Using AutoCAD as drafting equipment

Drawing commands: Line, circle, ellipse, arc, rectangle, spline , text,....

Modifying commands: erase, move, copy, array, trim, extend, mirror,