

GP114 : Engineering Drawing

Course No.: GP114		
Course Title: Engineering Drawing		
Credits: 03		
Core/Elective: Core		
Prerequisites: None		
Learning outcome:		
Knowledge on the fundamentals of Engineering drawing; ability to develop and/or comprehend a simple engineering drawing in both First and Third angle orthographic projections, international standards in engineering drawing practice and engineering graphics. A fundamental knowledge on computer aided graphics. Ability of freehand sketching. Developing cognitive and psychomotor skills; visualization of images and their dimensions.		
Course content	Time allocation/hours	
	L & T	P & A
Fundamentals: Use of drawing equipment, Drawing office practice, National and international standard, simple geometric constructions, Introduction to computer aided drafting	4	7
Orthographic and Isometric views: First and third angle projections of simple objects, Isometric projections	3	26
Engineering graphics: Conic sections, Intersection of curved surfaces and their development	2	8
Freehand sketching: Sketching of engineering components, imaging and sketching an isometric view from an engineering drawing	1	15
Introduction to drawing of Civil and Electrical engineering applications	1	3
Classroom Assignments		9
Total	11	68
Assessment	Percentage mark	
Continuous Assessment	70	
Coursework		30
Classroom Assignments		20
Mid-semester		20
Examinations	30	
End of Semester		30