

Department of Mechanical Engineering				
Mechanical Drawing (67213)				
Total Credits	2			
major compulsory				
Prerequisites	P1 : Engineering Drawing (62102) OR Eng'g Drawing (61104)			
Course Contents				
Auxiliary views. Temporary fasteners and springs; their construction and standards. Power screws and welded symbols. Dimensioning, tolerance, limits and fits using ISO system. Detail and working drawing. Assembly drawing.				
Intended Learning Outcomes (ILO's)			Student Outcomes (SO's)	
			Contribution	
1	Draw typical mechanical elements and assembly them basing on the international standards, such as screws, fasteners and springs.		C	50 %
2	Design the basic elements related to the surface finish, tolerance and fitting and the used symbols in the mechanical drawing.		C	20 %
3	Ability for using software for drawings as Autocad or mechanical software		K	30 %
Textbook and/ or References				
Technical Drawing, 12th Ed. Frederick E. Giesecke et. al., Introduction to AutoCAD 2005, Yarwood A., Mechanical Desktop 2005, Jamal Alfarran				
Assessment Criteria		Percent (%)		
Mid. Term Exam		30 %		
Homeworks		30 %		
Final Exam		40 %		
Course Plan				
Week	Topic			
1 _ 3	Drawing Software			
4 _ 5	Screws and Fasteners, Drawing Software			
6-7	Tolerances and fits, Drawing Software			
7-8	Surface finish, Drawing Software			
9	MIDTERM EXAM			
10-15	Working Drawing.			
16	Final			