

Department of Architectural Engineering			
Engineering Drawing (62102)			
Total Credits		2	
Faculty compulsory			
Prerequisites		-	
Course Contents			
This course aims at providing future engineers and designers with the essential graphic and analytical skills that will help them better introduce and present their designs, using both two and three dimensional drawings. Only manual methods of technical drawings are covered. It also enhances students` imagination and ability to derive perspective and pictorial drawings based on given two dimensional views.			
Intended Learning Outcomes (ILO's)		Student Outcomes (SO's)	Contribution
1	Ability to use techniques,skills,and modern engineering tools to produce high quality drawings.	K	85 %
2	To be able to communicate effectively with others, using drawings and sketches.	G	15 %
Textbook and/ or References			
C. Simmons: Manual of Engineering Drawing Maguire D :Manual Of Engineering Drawing Dennis, L. J.:Engineering drawing fundamentals ASTLEY, PETER: Engineering drawing and design HART, K.R.:Engineering drawing with problems and solutions RHODES, R.S.:Basic engineering drawing COOK, L.B.:Basic Engineering Drawing JENSEN, CECIL: Fundamentals of Engineering Drawing SCHIFFER, G.R.:A guide to engineering drawing PICKUP F.:Engineering drawing with worked examples COUSINS, M.F: Engineering drawing from the beginning. Vierck, Charles J.:A manual of engineering drawing for students and draftsmen			
Assessment Criteria		Percent (%)	
First Exam		20 %	
Second Exam		20 %	
Homeworks		20 %	
Final Exam		40 %	
Course Plan			
Week	Topic		
1	Basic drawing techniques and skills		
2	Types of lines, line weights - Geometric forms.		
3	Geometric constructions		
4	Geometric constructions.		
5	orthographic projection		
5	The first Exam		
6	orthographic projection		
7	orthographic projection		
8	orthographic projection		
9	Basics of Isometric and oblique drawings and techniques.		
10	Isometric drawing		
11	Isometric drawing		
11	The Second Exam		
12	sections		
13	sections		

14	Building Drawing , plans
15	Building plans
16	Final Exam