

Number of units 5	T 4	P 3	Th 1	Number of weekly hours	Annual System 30 weeks	Al-Esra'a University College Department: Engineering of Refrigeration and Air Conditioning Technologies
				Mechanical drawing		Second stage
<u>Course Objective</u>						
Teaching the student, the basic skill of reading engineering drawing along with their simples and terms as well as the standards. knowledge of assembly drawings and how to use ACD in mechanical drawing						

Week	Topics	Practical subject	Notes
1-2	Symbols, expressions, general review		
3	Screws, bolts, studs and nuts		
4	keys		
5-6	pulleys		
7-8	Gears(bevel gear, worm gear, spur gear)		
9-10	Fit and tolerance		
11-12	Surface finishing and part tables		
13-15	Assembly drawing and working drawing for advanced mechanisms		

Half-year Break			
16-20	Assembly drawing and working drawing for advanced mechanisms		
21-23	Welding symbols		
24-26	pipes		
27	Basic principles in ACAD		
28-30	First principles in dies design		