Universidad
Carlos III de Madrid
www.uc3m.es

COURSE: ENGINEERING GRAPHICS		
DEGREE: BACHELOR IN AEROSPACE ENGINEERING	YEAR: 1ST	TERM: 2ND

La asignatura tiene 28 sesiones que se distribuyen a lo largo de 14 semanas. En una de ellas habrá dos profesores

.

			WEEKLY PLANNING						
WEEK	**SESSION**	**DESCRIPTION**	**GROUPS (mark X)**		**SPECIAL ROOM FOR SESSION (Computer class room, audio-visual class room)**	**Indicate YES/NO If the session needs 2 teachers**	**WEEKLY PROGRAMMING FOR STUDENT**		
			LECTURES	SEMINARS			DESCRIPTION	CLASS HOURS	HOMEWORK HOURS (Max. 7h week)
1	1	INTRODUCTION TO TECHNICAL DRAWING AND REPRESENTATION SYSTEMS.	X		NO	NO	Knowing different representation systems and their basic rules	1,6	2
1	2	CAD, CAM, CAE SYSTEMS		X	INF. CLASS	NO	Starting to work with a CAD program	1,6	
2	3	STARNDARDIZATION	X		NO	NO	Knowing different representation systems and their basic rules	1,6	3
2	4	STARNDARDIZATION. SOLID EDGE ENVIROMENT AND FIRST OPERATION		X	INF. CLASS	NO	Working with a CAD program	1,6	

			X						
3	5	DRAWING VIEW CREATION	X		NO	NO	Learning drawing view creation	1,6	5
3	6	DRAWING VIEW CREATION WITH SOLID EDGE		X	INF. CLASS	NO	Applying drawing view creation with Solid Edge	1,6	
4	7	SECTIONS, CUTS AND BREAKS	X		NO	NO	Applying the OP concepts to represent parts	1,6	4
4	8	EXERCISES ABOUT SECTIONS, CUTS AND BREAKS		X	INF. CLASS	NO	Realizing exercises about representing parts with Solid Edge.	1,6	
5	9	FINAL PROJECT INSTRUCTIONS	X		NO	NO		1,6	4
5	10	PROYECT REVISION: CONTROL OF THE PROJECT PROGRESS		X	INF. CLASS	NO		1,6	
6	11	DIMENSIONING AND REPRESENTATION	X		NO	NO	Learning the basic standards about dimensioning and representation	1,6	5
6	12	EXERCISES ABOUT DIMENSIONING		X	INF. CLASS	NO	Learning to generate and dimension a draft with CAD	1,6	
7	13	DIMENSIONING AND REPRESENTATION	X		NO	NO	Learning the basic standards about dimensioning and representation	1,6	4
7	14	SOLID EDGE DRAFT ENVIROMENT. DIMENSIONING		X	INF. CLASS	NO	Learning to generate and dimension a draft with CAD	1,6	
8	15	STANDARD PARTS	X		NO	NO	Learning to identify the most usual standard parts	1,6	6
8	16	STANDARD PARTS WITH SOLID EDGE		X	INF. CLASS	NO	Learning to work with the most usual standard parts in Solid Edge	1,6	
9	17	STANDARD PARTS	X		NO	NO	Learning to identify the most usual standard parts	1,6	6
9	18	STANDARD PARTS WITH SOLID EDGE		X	INF. CLASS	NO	Learning to work with the most usual standard parts in Solid Edge	1,6	
10	19	ASSEMBLIES	X		NO	NO	Learning to realize and understand an assembly draft	1,6	5
10	20	SOLID EDGE ASSEMBLY ENVIROMENT		X	INF. CLASS	NO	Learning to assembly parts with CAD	1,6	
11	21	GEOMETRIC AND DIMENSIONAL TOLERANCES	X		NO	NO	Learning the tolerance concept and how to calculate them	1,6	4
11	22	TOLERANCES APPLICATION. DESIGN ANALYSIS.		X	INF. CLASS	NO	Applying the concept and calculation of tolerances to design problems	1,6	

12	23	GEOMETRIC AND DIMENSIONAL TOLERANCES	X		NO	NO	Learning the tolerance concept and how to calculate them	1,6	7
12	24	TOLERANCES APPLICATION. DESIGN ANALYSIS.		X	INF. CLASS	NO	Applying the concept and calculation of tolerances to design problems	1,6	
13	25	PROYECT DELIVERY: PLANS AND PRESENTATION	X		NO	YES	Project presentations: The final project will be presented by students	1,6	7
13	26	SOLID EDGE: APPLICATIONS		X	INF. CLASS	YES	Applying Solid Edge in a CAD process by using all its environments together.	1,6	
14	27	PROYECT DELIVERY: PLANS AND PRESENTATION	X		NO	YES	Project presentations: The final project will be presented by students	1,6	6
14	28	SOLID EDGE: APPLICATIONS		X	INF. CLASS	YES	Applying Solid Edge in a CAD process by using all its environments together.	1,6	
							Subtotal 1	**46,48**	**68**
			Total 1 *(Hours of class plus student homework hours between weeks 1-14)*					**114,48**	

15		Tutorials, handing in, etc				NO	Finishing a Project that summarizes all the acquired knowledge	1	10
16		Assessment						3	26
17									
18						NO			
							Subtotal 2	**4**	**36**
			Total 2 *(Hours of class plus student homework hours between weeks 15-18)*					40	

TOTAL *(Total 1 + Total 2)*	**154.48**