



COURSE: ENGINEERING GRAPHICS		
DEGREE: BACHELOR'S DEGREE IN INDUSTRIAL TECHNOLOGIES	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. NORMALIZATION	X		NO	NO	Knowing different representation systems and their basic rules	1,6	2
1	2	SOLID EDGE ENVIROMENT. FIRST OPERATION		X	INF. CLASS	NO	Starting to work with a CAD program	1,6	
2	3	ORTHOGRAPHIC PROJECTION (OP): BASICS	X		NO	NO	Reviewing basic knowledge about Orthographic projection (OP)	1,6	3
2	4	BASIC EXERCISES ABOUT ORTHOGRAPHIC PROJECTION (OP)		X	NO	NO	Realizing basic exercises about Orthographic projection	1,6	
3	5	OP: REVOLUTION METHOD, FOLD LINE METHOD AND CHANGE OF	X		NO	NO	Learning how and when doing apply revolution method,	1,6	5

		PROJECTION PLANES.					fold line method and change of projection planes.		
3	6	EXERCISES ABOUT OP: REVOLUTION METHOD, FOLD LINE METHOD AND CHANGE OF PROJECTION PLANES.		X	NO	NO	Applying revolution method, fold line method and change of projection planes to solve geometric problems.	1,6	
4	7	OP: DISTANCES AND ANGLES	X		NO	NO	Learning to represent and measure distances and angles in OP	1,6	4
4	8	EXERCISES ABOUT OP: DISTANCES AND ANGLES		X	NO	NO	Solving geometric problems about distances and angles	1,6	
5	9	AXONOMETRIC SYSTEM	X		NO	NO	Learning the bases of the axonometric system	1,6	4
5	10	AXONOMETRIC SYSTEM II		X	NO	NO	Applying the axonometric system concepts to represent parts	1,6	
6	11	ENGINEERING OP	X		NO	NO	Applying the OP concepts to represent parts	1,6	5
6	12	SOLID EDGE PART ENVIRONMENT		X	INF. CLASS	NO	Learning CAD operations to generate 3D parts	1,6	
7	13	VIEWS	X		NO	NO	Applying the OP concepts to represent parts	1,6	4
7	14	EXERCISES ABOUT VIEWS		X	NO	NO	Realizing exercises about representing parts	1,6	
8	15	SECTIONS, CUTS AND BREAKS	X		NO	NO	Applying the OP concepts to represent parts	1,6	6
8	16	EXERCISES ABOUT SECTIONS, CUTS AND BREAKS		X	NO	NO	Realizing exercises about representing parts	1,6	
9	17	DIMENSIONING AND REPRESENTATION	X		NO	NO	Learning the basic standards about dimensioning and representation	1,6	6
9	18	EXERCISES ABOUT DIMENSIONING		X	NO	NO	Applying the OP concepts to represent and dimension parts	1,6	
10	19	DIMENSIONING AND REPRESENTATION	X		NO	NO	Learning the basic standards about dimensioning and representation	1,6	5
10	20	SOLID EDGE DRAFT ENVIROMENT. DIMENSIONING		X	INF. CLASS	NO	Learning to generate and dimension a draft with CAD	1,6	
11	21	STANDARD PARTS	X		NO	NO	Learning to identify the most usual standard parts	1,6	4
11	22	SOLID EDGE ASSEMBLY ENVIROMENT		X	INF. CLASS	NO	Learning to assembly parts with CAD	1,6	

12	23	ASSEMBLIES	X		NO	NO	Learning to realize and understand an assembly draft	1,6	7
12	24	DETAIL DRAWING		X	NO	NO	Learning to realize a detail drawing	1,6	
13	25	GEOMETRIC AND DIMENSIONAL TOLERANCES	X		NO	NO	Learning the tolerance concept and how to calculate them	1,6	7
13	26	TOLERANCES APPLICATION. DESIGN ANALYSIS.		X	NO	NO	Applying the concept and calculation of tolerances to design problems	1,6	
14	27	INDUSTRIAL INSTALLATION REPRESENTATION	X		NO	NO	Learning the different types of drafts and their conventions	1,6	6
14	28	SOLID EDGE: APPLICATIONS		X	INF. CLASS	SI	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					Finishing a Project that summarizes all the acquired knowledge	1	10
16		Assessment						3	26
17									
18									
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	