



COURSE: Production and manufacturing systems		
DEGREE: Industrial Electronics and automation	YEAR: 2º	TERM: 2º

La asignatura tiene 14 sesiones que se distribuyen a lo largo de 7 semanas. Los dos laboratorios puede situarse en cualquiera de estas ellas.

PLANIFICACIÓN SEMANAL DE LA ASIGNATURA									
WEEK	SESSION	DESCRIPTION	GRUPS (marcar 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	Presentation. General concepts.		x		No	Previous lecture of classroom materials. Study of classroom lecture	1,66	4,66
1	2	Lecture 1: Introduction to production and manufacturing systems	x			No	Previous lecture of classroom materials. Study of classroom lecture	1,66	
2	3	Case study I: Process plants		x		No	Previous lecture of case study I. Teamwork arrangement and group proposals.	1,66	4
2	4	Lecture 2: Material handling	x			No	Previous lecture of classroom materials. Study of classroom lecture	1,66	
3	5	Case study II: Food industry		x		No	Previous lecture of case study II	1,66	4
3	6	Lecture 3: Information management	x			No	Previous lecture of classroom materials. Study of classroom lecture	1,66	
4	7	Case study III: Automobile factories		x		No	Previous lecture of case study III	1,66	4

4	8	Lecture 4: Manufacturing processes I	x			No	Previous lecture of classroom materials. Study of classroom lecture	1,66	
5	9	Case study IV: Stainless Steel production		x		No	Previous lecture of case study IV	1,66	4
5	10	Lecture 5: Manufacturing processes II	x			No	Previous lecture of classroom materials. Study of classroom lecture	1,66	
6	11	Laboratory 1		x	Computer laboratory with Arena	No	Arena tutorial	1,66	6
6	12	Lecture 6: Sustainable development	x			No	Previous lecture of classroom materials. Study of classroom lecture	1,66	1
7	13	Laboratory 2		x	Computer laboratory with Arena	No	Practical problem resolution with Arena and written exercise upload to Aula global	1,66	6
7	14	Lecture 7: Trends in manufacturing automation	x			No		1,66	1
Subtotal 1								23,33	34,66
Total 1 (Hours of class plus student homework hours between weeks 1-7)								58	
15		Recuperaciones, tutorías, entrega de trabajos, etc		x		No	Teamwork presentation	7	
16		Evaluation setup and evaluation						3	
17									
18									
Subtotal 2								3	22
Total 2 (Hours of class plus student homework hours between weeks 15-18)								32	
TOTAL (Total 1 + Total 2. <u>Máximo 90 horas</u>)								90	