

COURSE: OPTOELECTRONICS		
DEGREE: INGENIERÍA EN ELECTRÓNICA INDUSTRIAL Y AUTOMÁTICA	YEAR: 4th	TERM: 1st

WEEKLY PLANNING								
WEEK	SESSION	DESCRIPTION	TEACHING (mark X)		SPECIAL ROOM FOR SESSION (Computer class room, audio-visual class room)	WEEKLY PROGRAMMING FOR STUDENT		
			L E C T U R E S	S E M I N A R S		DESCRIPTION	CLASS HOURS (1,66=50+50 min)	HOMEWORK HOURS (Max. Estim. 6,5h)
1	1	Project work	x		Classroom	Introducción	1,66	6,5
	2	Light and its properties. Examples		x	Classroom	Study subject	1,66	
2	3	PN Junction - LED and laser diodes. Examples	x		Classroom	Study subject	1,66	6,5
	4	Fotodetectores. Examples		x	Classroom	Study subject	1,66	
3	5	Workshop I: Understanding optoelectronic datasheets	x		Classroom	Exercises and problems	1,66	6,5
	6	Project work. Problems		x	Classroom	Elección dispositivos proyecto	1,66	
4	7	Workshop II: LED and fotodetectores experimental characterization	x		Labotatory	Experimental work	1,66	6,5
	8	Project work		x	Classroom	Elección dispositivos proyecto	1,66	
5	9	Applied electronics I: LED	x		Classroom	Study subject	1,66	6,5
	10	Applied electronics II: Fotodiodos		x	Classroom	Study subject	1,66	
6	11	Applied electronics III: Diode lasers	x		Classroom	Study subject	1,66	6,5
	12	Problems		x	Classroom	Exercises and problems	1,66	
7	13	Workshop III: Laser diode	x		Labotatory	Experimental work	1,66	6,5
	14	Project work		x	Classroom	Diseño electrónica asociada	1,66	
8	15	Other optoelectronic devides (optoacouplers, fototransistors, etc...	x		Classroom	Experimental work	1,66	6,5
	16	Problems		x	Classroom	Exercises and problems	1,66	
9	17	Light propagation and optical links. Examples	x		Classroom	Study subject	1,66	6,5
	18	Project work		x	Classroom	Diseño electrónica asociada	1,66	
10	19	Project work: session 1 LABORATORY (3h)	x		Labotatory	Experimental work	1,66	6,5
	20	Problems		x	Classroom	Preparation for the exam	1,66	
11	21	Project work: session 2 LABORATORY (3h)	x		Labotatory	Experimental work	1,66	6,5
	22	THEORETICAL EXAM		x	Classroom	Theoretical exam	1,66	
12	23	Project work: session 3 LABORATORY (3h)	x		Labotatory	Experimental work	1,66	6,5
	24	Project work		x	Classroom	Proyect work	1,66	
13	25	Project work: session 4 LABORATORY (3h)	x		Labotatory	Experimental work	1,66	6,5
	26	Project work		x	Classroom	Proyect work	1,66	
14	27	EXPERIMENTAL EXAM: Proyect public defense	x		Classroom	Proyect defense	1,66	6,5
	28	EXPERIMENTAL EXAM: Proyect public defense	x		Classroom	Proyect defense	1,66	
29	Additional session						1,66	3,25
Subtotal 1							48	94
Total 1 (Hours of class plus student homework)							142	
15		Tutorials, handing in, etc	x				3,6	-
17		Assessment	x				4	10
18								
Subtotal 2							8	10
Total 2 (Hours of class plus student homework)							18	
TOTAL (Maximun 160 horas)							160	