

COURSE: DIGITAL ELECTRONICS**GRADE: INDUSTRIAL ELECTRONICS AND AUTOMATION ENGINEERING****YEAR: 3º****TERM: 1º****WEEKLY PLANNING**

WEEK	SESSION	DESCRIPTION	TEACHING (mark X)		SPECIAL ROOM FOR SESSION (Computer classroom, audio-visual classroom))	WEEKLY PROGRAMMING FOR STUDENT		
			LECTURE	SEMINAR		DESCRIPTION	CLASS HOURS (1,66=50+50 min)	HOMEWORK HOURS (Max. Estim. 6,5h)
1	1	Presentation. Introduction and basic concepts	x		Online	Study developed subjects	1,67	5
	2	Combinational circuits: functions and logic gates		x		Study developed subjects	1,67	
2	3	Combinational circuits: arithmetic circuits	x		Online	Study developed subjects	1,67	5
	4	Combinational circuits: exercises		x		Exercises	1,67	
3	5	Sequential circuits: flip-flops, registers and counters	x		Online	Study developed subjects	1,67	6
	6	Sequential circuits: exercises		x		Exercises	1,67	
4	7	Sequential circuits: finite state machines, memories	x		Online	Study developed subjects. Exercises	1,67	6
	8	Simulation: tesbenches		x	Virtual	Exercises	1,67	
5	9	Exercises	x		Online	Exercises. Practice session preparation	1,67	7
	10	Practice session 1		x	Virtual	Preparación de la Práctica 1	2,50	
6	11	Digital circuit synthesis and implementation	x		Online	Study developed subjects	1,67	6
	12	Exercises				Ejercicios	1,67	
7	13	Exercises	x		Online	Exercises. Practice session preparation	1,67	7
	14	Practice session 2		x	Lab.	Preparación de la práctica 2	2,50	
8	15	Exam 1	x		Online	Preparación del Control 1	1,67	6
	16	Digital systems: introduction to microprocessors		x		Study developed subjects	1,67	

WEEKLY PLANNING

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			LECTURE	SEMINAR		DESCRIPTION	CLASS HOURS (1,66=50+50 min)	HOMEWORK HOURS (Max. Estim. 6,5h)
9	17	Study of a microcontroller. Architecture and instructions	x		Online	Study developed subjects	1,67	6
	18	Exercises		x		Ejercicios	1,67	
10	19	Input/output peripherals. Timers	x		Online	Study developed subjects	1,67	6
	20	Exercises		x		Ejercicios	1,67	
11	21	Interrupts. Application examples and exercises	x		Online	Estudio de los temas desarrollados. Preparación	1,67	7
	22	Practice session 3		x	Virtual	Exercises. Practice session preparation	2,50	
12	23	Exercises	x		Online	Ejercicios	1,67	6
	24	Exercises		x		Ejercicios	1,67	
13	25	Exercises	x		Online	Ejercicios. Preparación de la Práctica 4	1,67	7
	26	Practice session 4		x	Lab.	Exercises. Practice session preparation	2,50	
14	27	Exam 2	x		Online	Preparación del Control 2	1,67	5
	28							
	29							
Subtotal 1							48,33	85,00
Total 1 (Hours of class plus student homework)							133,33	
15		Tutorials, handing in					3,60	-
16		Assessment					4,00	10,00
17								
18								
Subtotal 2							7,60	10,00
Total 2 (Hours of class plus student homework)							17,60	
Total (Maximum 160 hours)							150,93	