



COURSE: EMBEDDED SYSTEM DESIGN FOR IoT		
MASTER: INTERNET OF THINGS	YEAR: 2019-20	TERM: 1st

WEEKLY PLANNING								
WEEK	SESSION	DESCRIPTION	GROUPS (mark X)		Special room for session (computer classroom, audio-visual classroom...)	WEEKLY PROGRAMMING FOR STUDENT		
			LECTURES	SEMINARS/ LAB ¹		DESCRIPTION	CLASS HOURS	HOMEWORK HOURS (Max. 7h week)
1	1	Presentation of the course. Introduction	X			Study current lessons	1,5	4
1	2	The hardware component of an embedded system	X			Study current lessons	1,5	
2	3	Embedded systems in MPSoC	X			Study current lessons	1,5	6
2	4	Hardware design and IP integration			X	Study current lessons. Practical handling of tools	1,5	
3	5	The software component of an embedded system	X			Study current lessons	1,5	6
3	6	Software development in MPSoC			X	Study current lessons. Practical handling of tools	1,5	
4	7	Practical work: hardware design		X		Practical work	1,5	6
4	8	Practical work: hardware-software interface		X		Practical work	1,5	
5	9	Practical work: software development		X		Practical work	1,5	6
5	10	Practical work: validation and debugging		X		Practical work	1,5	

6	11	The software component: Operating System (I)			X	Study current lessons	1,5	6
6	12	The software component: Operating System (II)		X		Study current lessons. Practical handling of tools	1,5	
7	13	Evaluation and optimization	X			Study current lessons	1,5	6
7	14	Practical work: system evaluation		X		Study current lessons. Practical handling of tools	1,5	
Subtotal 1							21	40
Total 1 (Hours of class plus student homework hours between weeks 1-7)							61	

8		Completion of practical work					5	
8		Final exam					3	6
Subtotal 2							3	11
Total 2 (Hours of class plus student homework hours at week 8)							14	

TOTAL (Total 1 + Total 2)							75	
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