



COURSE: DIGITAL SYSTEMS AND APPLICATIONS		
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	Introduction. Microprocessors and Microcontrollers	X			Previous reading. Answering questions about background.	1,5	4
1	2	Internal Architecture	X			Previous reading. Answering questions about what has been taught. Catching up with basic knowledge.	1,5	
2	3	Internal Architecture	X			Previous reading. Answering questions about what has been taught. Catching up with basic knowledge.	1,5	5
2	4	Development Systems	X			Previous reading. Answering questions about what has been taught. Catching up with basic knowledge.	1,5	

3	5	Development based on records	X			Previous reading. Answering questions about what has been taught. Working in IoT project.	1,5	5
3	6	Development based on records	X			Previous reading. Answering questions about what has been taught. Working in IoT project.	1,5	
4	7	Development based on HAL	X			Previous reading. Answering questions about what has been taught. Working in IoT project.	1,5	5
4	8	Development based on HAL	X			Previous reading. Answering questions about what has been taught. Working in IoT project.	1,5	
5	9	Development based on Operating Systems	X			Previous reading. Answering questions about what has been taught. Working in IoT project.	1,5	5
5	10	Development based on Operating Systems	X			Previous reading. Answering questions about what has been taught. Working in IoT project.	1,5	
6	11	Power management and communications	X			Previous reading. Answering questions about what has been taught. Working in IoT project.	1,5	5
6	12	Power management and communications	X			Previous reading. Answering questions about what has been taught. Working in IoT project.	1,5	
7	13	Microcontrollers for IoT	X			Previous reading. Answering questions about what has been taught. Working in IoT project.	1,5	5
7	14	IoT Project Presentation	X			Previous reading.	1,5	

						Answering questions about what has been taught.			
¹ A maximum of 1-2 lab sessions							Subtotal 1	21	34
Total 1 (<i>Hours of class plus student homework hours between weeks 1-7</i>)								55	
1-7		Tutorials, handing in, etc						10	
8		Assessment						3	7
							Subtotal 2	3	17
Total 2 (<i>Hours of class plus student homework hours at week 8</i>)								20	
TOTAL (<i>Total 1 + Total 2</i>)								75	