Universidad Carlos III de Madrid
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COURSE: DESIGN IN ELECTROMAGNETIC COMPATIBILITY		
MASTER: ELECTRONIC SYSTEMS ENGINEERING AND APPLICATIONS	YEAR: 2020-21	TERM: 2nd

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 to EMI-EMC I	X			Slides studying. Bibliography and references review	1,5	
1	2	Introduction to EMI-EMC II	X			Slides studying. Bibliography and references review	1,5	4
2	3	EMI Coupling I	X			Slides studying. Bibliography and references review	1,5	
2	4	EMI Coupling II	X			Slides studying. Bibliography and references review	1,5	5
3	5	Software for EMI analysis	X			Slides studying. Bibliography and references review	1,5	
3	6	Design of PCB Layout I	X			Slides studying. Bibliography and references review	1,5	5
4	7	Design of PCB Layout II	X			Slides studying.	1,5	5

							Bibliography and references review		
4	8	Design of PCB Layout III	X				Slides studying. Bibliography and references review	1,5	
5	9	Protections: EMI filters	X				Slides studying. Bibliography and references review	1,5	
5	10	Protections: EMI supressors and limiters	X				Slides studying. Bibliography and references review	1,5	5
6	11	Mixed signal board design example	X				Slides studying. Bibliography and references review	1,5	
6	12	PCB design for High Speed	X				Slides studying. Bibliography and references review	1,5	5
7	13	EMC Standards and Directives	X				Slides studying. Bibliography and references review	1,5	
7	14	EMC Lab.			X	EMC LAB	Slides studying. Bibliography and references review	1,5	5
[1] A maximum of 1-2 lab sessions							**Subtotal 1**	21	
									34
Total 1 *(Hours of class plus student homework hours between weeks 1-7)*								**55**	

1-7		Tutorials etc							10
8		Final Assessment					Total course slides studying, and Bibliography/References review	3	7
							Subtotal 2	**3**	**17**
Total 2 *(Hours of class plus student homework hours at week 8)*								**20**	

TOTAL *(Total 1 + Total 2)*	**75**