Universidad Carlos III de Madrid
www.uc3m.es

COURSE: DESIGN IN ELECTROMAGNETIC COMPATIBILITY		
MASTER: ELECTRONIC SYSTEMS ENGINEERING AND APPLICATIONS	**YEAR: 2021-22**	**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	Design of PCB Layout I	X			Slides studying. Bibliography and references review	1,5	
3	6	Design of PCB Layout II	X			Slides studying. Bibliography and references review	1,5	5
4	7	Design of PCB Layout III	X			Slides studying.	1,5	5

						Bibliography and references review		
4	8	Protections: EMI filters (I)	X			Slides studying. Bibliography and references review	1,5	
5	9	Protections: EMI filters (II)	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**