



COURSE: DESIGN IN ELECTROMAGNETIC COMPATIBILITY		
MASTER: ELECTRONIC SYSTEMS ENGINEERING AND APPLICATIONS	YEAR: 2019-20	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	4
1	2	Introduction to EMI-EMC II	X			Slides studying. Bibliography and references review	1,5	
2	3	EMI Coupling I	X			Slides studying. Bibliography and references review	1,5	5
2	4	EMI Coupling II	X			Slides studying. Bibliography and references review	1,5	
3	5	Software for EMI analysis	X			Slides studying. Bibliography and references review	1,5	5
3	6	Design of PCB Layout I	X			Slides studying. Bibliography and references review	1,5	
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
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