Universidad Carlos III de Madrid
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	SUBJECT: Advanced Management of Smart Grids		
	BACHELOR'S DEGREE IN ENERGY ENGINEERING	**Course: 4º**	**SEMESTER: 2**

Weekly planning

DAY	SESSION	DESCRIPTION	GROUPS (mark X)		SPECIAL ROOM FOR SESSION (Computer class room, audio-visual class room)	Indicate YES/NO If the session needs 2 teachers	WEEKLY PROGRAMMING FOR STUDENT		
			LECTURES	Lab			DESCRIPTION	CLASS HOURS	HOMEWORK HOURS (Max. 7h week)
26/01	1	Smart Grids Introduction: What are Smart grids? Why are they needed? functionalities and benefits of the smart grids	X			**NO**		1,66	
2/02	2	Laboratory: Simulation PSS/E Introduction		X	X	**NO**		1,66	
9/02	3	Energy storage management + FACTS	X			**NO**		1,66	2
16/02	4	Laboratory: SG voltage control		X	X	**NO**		1,66	
23/02	5	Management of electric mobility in smart grids + Distributed generation	X			**NO**		1,66	6
2/03	6	Laboratory: SG DG integration		X	X	**NO**		1,66	
9/03	7	Laboratory: SG electric mobility		X	X	**NO**		1,66	6
16/03	8	Laboratory: SG electric mobility		X	X				
23/03	9	Smart grids projects (National and International)	X			**NO**		1,66	7

6/04	10	Cybersecurity + Lab session		X	X	**NO**		1,66	
13/04	11	Automatization Architectures for Smart Grid/Smart metering I	X			**NO**		1,66	
20/04	12	Automatization Architectures for Smart Grid/Smart metering II	X			**NO**		1,66	6
27/04	13	Smart grids projects (National and International), Regulation and practical examples	X			**NO**		1,66	
4/05	14	CONTINUOUS EVALUATION TEST: challenges	X			**NO**		1,66	6
							Subtotal 1	**48,33**	**79**
							Total 1 (Hours of class plus student homework hours between weeks 1-14)	127,33	
15		Tutorials, handing in, etc							
16		Preparation for the final assessment exercise						3	26,66
17									
18									
							Subtotal 2	**3**	**26,66**
							Total 2 (Hours of class plus student homework hours between weeks 15-18)	29	
		TOTAL *(Total 1 + Total 2. Máximo 180 horas)*						**157**	