



COURSE: POWER SUBSYSTEM		
MASTER: MASTER IN SPACE ENGINEERING	ECTS: 2	TERM: 3rd

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	Electrical Power Subsystem Overview	X			Slides studying. Bibliography and references review	1.66	6.25
1	2	Primary power sources I	X			Slides studying. Bibliography and references review	1.66	
2	3	Primary power sources II Exercise: Sizing the Solar Panels	X			Slides studying. Bibliography and references review	1.66	6.25
2	4	Energy Storage I	X			Slides studying. Bibliography and references review	1.66	
3	5	Energy Storage II Exercise: Sizing the Batteries	X			Slides studying. Bibliography and references review	1.66	6.25
3	6	Primary Power System I	X			Slides studying. Bibliography and references review	1.66	
4	7	Primary Power System II	X			Slides studying.	1.66	6.25

		Exercise: MPPT				Bibliography and references review		
4	8	Primary Power System III	X			Slides studying. Bibliography and references review	1.66	
5	9	Secondary Power System and Protections	X			Slides studying. Bibliography and references review	1.66	
5	10	Space Power Subsystem Simulation	X			Slides studying. Bibliography and references review	1.66	6.25
Subtotal 1							16.66	31.25
Total 1 (Hours of class plus student homework)							48	
1-5		Tutorials etc					2	--
6		Final Assessment				Total course slides studying, and Bibliography/References review	4	4
Subtotal 2							6	4
Total 2 (Hours of class plus student homework hours at week 8)							10	
TOTAL (Total 1 + Total 2)							58	