Universidad Carlos III de Madrid
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COURSE: Aerospace Autonomous Systems		
DEGREE: Master in Aeronautical Engineering	**YEAR: 2nd**	**TERM: 1st**

WEEKLY PLANNING

WEEK	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	SEMINARS			DESCRIPTION	CLASS HOURS	HOMEWORK HOURS (Max. 7h week)
1	1	Block I: Introduction to the Course + Technology I (Legislation, Socio-economical Aspects, Applications, Industry, Types of vehicles Design particularities)	X			YES	Reading corresponding notes chapters. Study and personal work about the lecture.	1,6	2
2	2	Block I: Technology II (Legislation, Socio-economical Aspects, Applications, Industry, Types of vehicles Design particularities)	X			NO	Reading corresponding notes chapters. Study and personal work about the lecture.	1,6	2
3	3	Block I: Technology III (Legislation, Socio-economical Aspects, Applications, Industry, Types of vehicles, Design particularities)	X			NO	Reading corresponding notes chapters Study and personal work about the lecture	1,6	2
4	4	Block II: Quadcopter dynamics I	X			NO	Reading corresponding notes chapters. Study and personal work about the lecture.	1,6	3
5	5	Block II: Quadcopter dynamics II	X			NO	Reading corresponding notes chapters. Study and personal work about the lecture.	1,6	3

6	6	Block II: Quadcopter Modelling	X			NO	Reading corresponding notes chapters. Study and personal work about the lecture.	1,6	3
7	7	Block II: Inertial Navigation	X			NO	Reading corresponding notes chapters Study and personal work about the lecture	1,6	3
8	8	Block II: Estimation	X			NO	Reading corresponding notes chapters. Study and personal work about the lecture.	1,6	3
9	9	Block II: Advanced Control	X			NO	Reading corresponding notes chapters Study and personal work about the lecture	1,6	3
10	10	Block III: Quad-rotor. Simulation		X	X	YES	Reading the reference material Study and personal work.	1,6	3
11	11	Block III: Quad-rotor assembly lab. I.		X	X	YES	Reading the reference material Study and personal work.	1,6	3
12	12	Block III: Quad-rotor assembly lab. II.		X	X	YES	Reading the reference material Study and personal work.	1,6	3
13	13	Block III: Quad-rotor assembly lab. III.		X	X	YES	Reading the reference material Study and personal work.	1,6	3
14	14	Block III: Quad-rotor Flight Testing.		X	X	YES	Reading the reference material Study and personal work.	1,6	3
							Subtotal 1	**22.4**	**39**
							Total 1 *(Hours of class plus student homework hours between weeks 1-14)*		61.4

15		Tutorials, handing in, etc							
16		Assessment						3	21
17									
18									
							Subtotal 2	**3**	**21**
							Total 2 *(Hours of class plus student homework hours between weeks 15-18)*		24

TOTAL *(Total 1 + Total 2. Maximum 90 hours)*	**85.4**