

COURSE: EXPERIMENTAL AERODYNAMICS								
Master in Aeronautical Engineering						YEAR: 2 nd	TERM: 1 st	
<i>La asignatura tiene 14 sesiones de 100 minutos, que se distribuyen a lo largo de 11 semanas.</i>								
WEEKLY PLANNING								
WEEK	SESSION	DESCRIPTION	TYPE		COMMENTS	STUDENT WEEKLY PROGRAMME		
			LECTURE	SEMINAR		DESCRIPTION	CLASS HOURS	HOMEWORK HOURS
1	1	Introduction to the course and theoretical fundamentals to design an experiment.	X				1,7	5
1	2	Statistical data characterization and elements of data processing.	X	X	Lab HWK 1 out		1,7	
2	3	Experimental facilities and wind tunnel testing	X				1,7	3
2	4	Flow pressure measurements	X				1,7	6
3	5	Temperature and heat-flux measurements	X				1,7	
3	6	Flow visualization – LAB on flow visualization and pressure measurements.		X	Lab HWK 1 in HWK 2 out		1,7	3
4	7	Density-based methods	X				1,7	4
4	8	IR thermography and heat flux experiments - LAB		X	Lab HWK 2 in HWK 3 out		1,7	2
5	9	Thermal Anemometry	X				1,7	6
5	10	Thermal anemometry and turbulent spectra - LAB	X		Lab HWK 3 in HWK 4 out		1,7	

6	11	Particle Image Velocimetry – Part 1, fundamentals	X				1,7	2
7	12	Particle Image Velocimetry – Part 2, Volumetric	X				1,7	6
7	13	Particle Image Velocimetry - LAB		X	Lab HWK 4 in HWK 5 out		1,7	
8	14	Measurement of Forces and Shear Stresses	X				1,7	3
					HWK 5 in			
Subtotal 1							23,33	40
Total 1							63,33	

15		Tutorials, handing in, etc					2	
16		Assessment					3	7
17								
18								
Subtotal 2							5	7
Total 2							12	

TOTAL							75,33	
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