



COURSE: EXPERIMENTAL AERODYNAMICS								
Master in Aeronautical Engineering						YEAR: 2 <sup>nd</sup>	TERM: 1 <sup>st</sup>	
<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		6/9		1,7	5
1	2	Statistical data characterization and elements of data processing.	X	X	7/9 Lab HWK 1 out		1,7	
3	3	Experimental facilities and wind tunnel testing	X		13/9		1,7	3
4	4	Flow pressure measurements	X		20/9		1,7	6
4	5	Flow visualization – LAB on flow visualization and pressure measurements.		X	21/9, Lab HWK 1 in HWK 2 out		1,7	
5	6	Temperature and heat-flux measurements	X		28/9		1,7	3
6	7	Density-based methods	X		4/10		1,7	4
7	8	IR thermography and heat flux experiments - LAB		X	5/10, Lab HWK 2 in HWK 3 out		1,7	2
8	9	Thermal Anemometry	X		18/10		1,7	6
8	10	Thermal anemometry and turbulent spectra - LAB	X		19/10, Lab HWK 3 in HWK 4 out		1,7	

9	11	Particle Image Velocimetry – Part 1, fundamentals	X		25/10		1,7	2
10	12	Particle Image Velocimetry – Part 2, Volumetric	X		8/11		1,7	6
10	13	Particle Image Velocimetry - LAB		X	9/11 Lab HWK 4 in HWK 5 out		1,7	
11	14	Measurement of Forces and Shear Stresses	X		15/11		1,7	3
					26/11 HWK 5 in			
<b>Subtotal 1</b>							<b>23.33</b>	<b>40</b>
<b>Total 1</b>							<b>63,33</b>	

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

<b>TOTAL</b>							<b>75,33</b>
--------------	--	--	--	--	--	--	--------------