



<b>CURSO: Elementos de Software Crítico</b>		
<b>MASTER: Máster Universitario en Ingeniería Aeronáutica</b>	<b>AÑO: 1º</b>	<b>PERIODO: 2º</b>

PLANIFICACIÓN SEMANAL									
SEMANA	SESIÓN	DESCRIPCIÓN	GRUPOS (mark X)		AULA ESPECIAL PARA LA SESIÓN (Clase de Informática, audiovisuales)	Indique SI/NO si necesita 2 profesores	Programa semanal para el estudiante		
			TEORÍA	PRÁCTICAS			DESCRIPCIÓN	HORAS DE CLASE	HORAS TRABAJO EN CASA (Max. 7h semanales)
1	1	<ul style="list-style-type: none"> <li>• Elements of Critical Software Introduction.</li> <li>• Introduction to RTCA DO-178B.</li> </ul>	X			Yes	- Reading the reference material: <ul style="list-style-type: none"> <li>○ Practice Description.</li> <li>○ Subject Slides.</li> </ul> - Study and personal work.	1,67	2
2	2	<ul style="list-style-type: none"> <li>• Introduction to RTCA DO-178B - Continuation.</li> <li>• Introduction to RTCA DO-178C.</li> </ul>	X	X		No	- Reading the reference material: <ul style="list-style-type: none"> <li>○ Practice Description.</li> <li>○ Subject Slides.</li> </ul> - Study and personal work.	1,67	2
3	3	<ul style="list-style-type: none"> <li>• SW Architectures Description. IMA.</li> <li>• Real-Time Operating Systems.</li> <li>• IMA Application Exercise.</li> </ul>	X	X		No	- Reading the reference material: <ul style="list-style-type: none"> <li>○ Practice Description.</li> <li>○ Subject Slides.</li> </ul> Study and personal work.	1,67	2

4	4	<ul style="list-style-type: none"> <li>SW Requirements Management Practice</li> </ul>		X	INF Lab	Yes	<ul style="list-style-type: none"> <li>- Reading the reference material: <ul style="list-style-type: none"> <li>o Practice Description.</li> <li>o Subject Slides.</li> </ul> </li> <li>Study and personal work.</li> </ul>	1,67	2
5	5	<ul style="list-style-type: none"> <li>SW Design</li> </ul>	X	X		No	<ul style="list-style-type: none"> <li>- Reading the reference material: <ul style="list-style-type: none"> <li>o Practice Description.</li> <li>o Subject Slides.</li> </ul> </li> <li>- Study and personal work.</li> </ul>	1,67	2
6	6	<ul style="list-style-type: none"> <li>SW Design Practice I.</li> </ul>		X	INF Lab	Yes	<ul style="list-style-type: none"> <li>- Reading the reference material: <ul style="list-style-type: none"> <li>o Practice Description.</li> <li>o Subject Slides.</li> </ul> </li> <li>- Study and personal work.</li> </ul>	1,67	2
7	7	<ul style="list-style-type: none"> <li>SW Design Practice II.</li> <li>SW Design Case Study Exercise</li> </ul>		X	INF Lab	Yes	<ul style="list-style-type: none"> <li>- Reading the reference material: <ul style="list-style-type: none"> <li>o Practice Description.</li> <li>o Subject Slides.</li> </ul> </li> <li>- Study and personal work.</li> </ul>	1,67	2
8	8	<ul style="list-style-type: none"> <li>Partial Exam.</li> <li>SW Implementation. Theory &amp; Practice I.</li> </ul>		X	INF Lab	Yes	<ul style="list-style-type: none"> <li>- Reading the reference material: <ul style="list-style-type: none"> <li>o Practice Description.</li> <li>o Subject Slides.</li> </ul> </li> <li>- Study and personal work.</li> </ul>	1,67	2
9	9	<ul style="list-style-type: none"> <li>SW Implementation. Theory &amp; Practice II.</li> </ul>		X	INF Lab	Yes	<ul style="list-style-type: none"> <li>- Reading the reference material: <ul style="list-style-type: none"> <li>o Practice Description.</li> <li>o Subject Slides.</li> </ul> </li> <li>- Study and personal work.</li> </ul>	1,67	2
10	10	<ul style="list-style-type: none"> <li>SW Implementation. Theory &amp; Practice III.</li> </ul>		X	INF Lab	Yes	<ul style="list-style-type: none"> <li>- Reading the reference material: <ul style="list-style-type: none"> <li>o Practice Description.</li> <li>o Subject Slides.</li> </ul> </li> <li>- Study and personal work.</li> </ul>	1,67	2
11	11	<ul style="list-style-type: none"> <li>SW Implementation. Theory &amp; Practice IV.</li> </ul>		X	INF Lab	Yes	<ul style="list-style-type: none"> <li>- Reading the reference material: <ul style="list-style-type: none"> <li>o Practice Description.</li> <li>o Subject Slides.</li> </ul> </li> <li>- Study and personal work.</li> </ul>	1,67	2
12	12	<ul style="list-style-type: none"> <li>SW Implementation Partial Exam (practice)</li> <li>SW Implementation. Theory &amp; Practice V.</li> </ul>		X	INF Lab	Yes	<ul style="list-style-type: none"> <li>- Reading the reference material: <ul style="list-style-type: none"> <li>o Practice Description.</li> <li>o Subject Slides.</li> </ul> </li> <li>- Study and personal work.</li> </ul>	1,67	2

13	13	• SW Verification.	X	X		No	- Reading the reference material: ○ Practice Description. ○ Subject Slides. - Study and personal work.	1,67	2
14	14	• Airborne SW Verification Practice. • SW verification Cases Study Exercise		X	Avionics Lab	Yes	- Reading the reference material: ○ Practice Description. ○ Subject Slides. - Study and personal work.	1,67	2
<b>Subtotal 1</b>								<b>23,38</b>	<b>28</b>
<b>Total 1 (Horas de clase más horas de trabajo en casa del alumno)</b>								<b>51,38</b>	

8		Tutorials, handing in, etc							
9		Assessment							
10		Ordinary –						3	21
11		Extraordinary							
<b>Subtotal 2</b>								<b>3</b>	<b>21</b>
<b>Total 2 (Horas de clase más horas de trabajo en casa del alumno)</b>								<b>24</b>	

<b>TOTAL (Total 1 + Total 2. Máximo 90 horas)</b>								<b>75,38</b>	
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*(\*) In EPS are given an additional 6 hours of completary teaching along two sessions.*