

<b>COURSE: Systems architecture II</b>		
<b>DEGREE: Bachelor's Degree in Telematics Engineering</b>	<b>YEAR: 3</b>	<b>TERM: 2</b>

WEEKLY PLANNING								
WEEK	SESSION	DESCRIPTION	TEACHING (mark X)		SPECIAL ROOM FOR SESSION (Computer class room, audio-visual class room)	WEEKLY PROGRAMMING FOR STUDENT		
			L E C T U R E S	S E M I N A R S		DESCRIPTION	CLASS HOURS (1,66=50+50 min)	HOMEWORK HOURS (Max. Estim. 6,5h)
1	1	Processes and threads. Creation and management.	X			Study and review of the concepts of the session.	1.66	6.5
	2	Lab 1. Processes: creation and management		X	X	Hands-on session about the concepts explained during the previous lecture	1.66	
2	3	Basic Synchronization	X			Study and review of the concepts of the session.	1.66	6.5
	4	Lab 1. Processes: creation and management		X	X	Hands-on session about the concepts explained during the previous lecture	1.66	
3	5	IPC: interruptions, signals and pipes	X			Study and review of the concepts of the session.	1.66	6.5
	6	Lab2 (deliverable). Processes: communication		X	X	Hands-on session about the concepts explained during the previous lecture	1.66	
4	7	Process scheduling	X			Study and review of the concepts of the session.	1.66	6.5
	8	Lab 2 (deliverable). Processes: communication		X	X	Hands-on session about the concepts explained during the previous lecture	1.66	
5	9	Threads and locks	X			Study and review of the concepts of the session.	1.66	6.5

	10	Partial Exam		x	x	Exam	1.66	
6	11	Semaphores	x			Study and review of the concepts of the session.	1.66	6.5
	12	Lab 3. Threads and semaphores		x	x	Hands-on session about the concepts explained during the previous lecture	1.66	
7	13	Monitors	x			Study and review of the concepts of the session.	1.66	6.5
	14	Lab 4. Monitors		x	x	Hands-on session about the concepts explained during the previous lecture	1.66	
8	15	Memory management	x			Study and review of the concepts of the session.	1.66	6.5
	16	Lab 5 (deliverable). Lab about concurrency mechanisms		x	x	Hands-on session about the concepts explained during the previous lecture	1.66	
9	17	Memory management	x			Study and review of the concepts of the session.	1.66	6.5
	18	Lab 5 (deliverable). Lab about concurrency mechanisms		x	x	Hands-on session about the concepts explained during the previous lecture	1.66	
10	19	Distributed systems intro	x			Study and review of the concepts of the session.	1.66	6.5
	20	Lab Exam		x	x	Lab Exam	1.66	
11	21	Middleware	x			Study and review of the concepts of the session.	1.66	6.5
	22	Lab 6. Remote Procedure Call		x	x	Hands-on session about the concepts explained during the previous lecture	1.66	
12	23	REST	x			Study and review of the concepts of the session.	1.66	6.5
	24	Lab 7 (deliverable). Middleware and REST		x	x	Hands-on session about the concepts explained during the previous lecture	1.66	
13	25	Distributed Synchronization	x			Study and review of the concepts of the session.	1.66	6.5
	26	Lab 7 (deliverable). Middleware and REST		x	x	Hands-on session about the concepts explained during the previous lecture	1.66	
14	27	Transactions	x			Study and review of the concepts of the session.	1.66	6.5
	28	Lab 7 (deliverable). Middleware and REST		x	x	Hands-on session about the concepts explained during the previous lecture	1.66	
2	29	Lab 2 (deliverable). Processes: communication		x	x	Hands-on session about the concepts explained during the previous lecture	1.66	3.25
<b>Subtotal 1</b>							<b>48</b>	<b>94</b>
<b>Total 1 (Hours of class plus student homework)</b>							<b>142</b>	

15	Tutorials, handing in, etc					3.6	-
16	Assessment					4	10
17							
18							
<b>Subtotal 2</b>						<b>8</b>	<b>10</b>
<b>Total 2 (Hours of class plus student homework)</b>						<b>18</b>	
<b>TOTAL (Maximun 160 horas)</b>						<b>160</b>	