



**COURSE:** Format processing in telematic applications

**DEGREE:** Bachelor in Telematics Engineering

**YEAR:** 3

**TERM:** 2

*La asignatura tiene 29 sesiones que se distribuyen a lo largo de 14 semanas. Los laboratorios pueden situarse en cualquiera de ellas. Semanalmente el alumnos tendrá dos sesiones, excepto en un caso que serán tres*

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	Introduction. Lexical analysis	X			NO	Study of lecture material	1,6	7
1	2	Lexical analysis. Syntax analysis: introduction, grammars		X		NO	Study of lecture material	1,6	
2	3	Syntax analysis. Derivation Tree, ambiguous grammars. Derivation tree for an LPS example	X			NO	Study of lecture material	1,6	7
2	4	Lexical and syntax analysis exercises		X		NO	Solve proposed exercises	1,6	
3	5	AST	X			NO	Study of lecture material	1,6	7
3	6	Syntax analysis exercises		X		NO	Solve proposed exercises.	1,6	
4	7	Syntax analysis. LR(k) parsers, CUP	X			NO	Study of lecture material	1,6	7
4	8	Lab 1-lexical and syntax analysis		X	Computer class room	YES	Development of the proposed parser and lexer	1,6	

5	9	Syntax analysis. LR(0) Automaton	X			NO	Study of lecture material	1,6	7
5	10	Syntax analysis. FIRST and NEXT. LALR		X		NO	Study of lecture material. Work on lab assignment	1,6	
6	11	Attributes I	X			NO	Study of lecture material	1,6	7
6	12	Syntax analysis exercises		X		NO	Solve proposed exercises. Work on lab assignment	1,6	
7	13	Attributes II	X			NO	Study of lecture material	1,6	7
7	14	Lab 2-semantic analysis		X	Computer class room	NO	Development of a semantic analyzer	1,6	
8	15	Lexical and syntax analysis exam	X			NO		1,6	7
8	16	Semantic analysis exercises		X		NO	Solve proposed exercises. Work on lab assignment	1,6	
9	17	Code generation	X			NO	Study of lecture material	1,6	7
9	18	Code generation exercises		X		NO	Solve proposed exercises. Work on lab assignment	1,6	
10	19	XML+DTD	X			NO	Study of lecture material	1,6	7
10	20	Lab 3-code generation		X	Computer class room	NO	Development of a code generator	1,6	
11	21	XPath	X			NO	Study of lecture material	1,6	7
11	22	Lab 4-XML+DTD		X	Computer class room	YES	Complete XML Lab. Work on lab assignment	1,6	
12	23	XSLT	X			NO	Study of lecture material	1,6	7
12	24	Lab 5-XSLT		X	Computer class room	NO	Complete XML Lab.. Work on lab assignment	1,6	
13	25	Semantic analysis and code generation exam. Lab exam	X			NO		1,6	7
13	26	XSLT exercises		X		NO	Solve proposed exercises	1,6	
14	27	DOM	X			NO	Study of lecture material	1,6	7
14	28	XSLT and DOM exercises		X		YES	Solve proposed exercises	1,6	
14	29	Lab 6-DOM		X	Computer class room	YES	Complete XML Lab	1,6	
<b>Subtotal 1</b>								<b>48,33</b>	

<b>Total 1</b> ( <i>Hours of class plus student homework hours between weeks 1-14</i> )	<b>146,33</b>
---	---------------

15	Tutorials, handing in, etc								
16	Assessment								
17								3	
18									15
							<b>Subtotal 2</b>	<b>3</b>	<b>15</b>
							<b>Total 2</b> ( <i>Hours of class plus student homework hours between weeks 15-18</i> )	<b>18</b>	

<b>TOTAL</b> ( <i>Total 1 + Total 2. <u>Maximum 180 hours</u></i> )	<b>164,33</b>
---	---------------