



**COURSE: Multimedia applications**

**DEGREE: Audiovisual Systems 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. 7 week)
1	1	Course presentation. Introduction to multimedia applications.  Module 1. Multimedia web applications Introduction to web technologies	X				Study of concepts covered in class. Readings to be determined.	1,6	4
1	2	Web technologies fundamentals exercises		X	Telematic Engineering Lab		Installation of development environment. Exercises.	1,6	
2	3	Web technologies: HTML and CSS	X				Study of concepts covered in class. Readings to be determined.	1,6	
2	4	Web technologies exercises		X	Telematic		Exercises.	1,6	

					Engineering Lab		Project development.		
3	5	Web technologies: JavaScript	X				Study of concepts covered in class. Readings to be determined.	1,6	6
3	6	JavaScript: exercises		X	Telematic Engineering Lab		Exercises. Project development.	1,6	
4	7	Multimedia and dynamic web	X				Study of concepts covered in class. Readings to be determined.	1,6	
4	8	Multimedia and dynamic web: exercises		X	Telematic Engineering Lab		Exercises. Project development.	1,6	
5	9	HTML5: canvas	X				Study of concepts covered in class. Readings to be determined.	1,6	
5	10	HTML5: canvas exercises		X	Telematic Engineering Lab		Exercises. Project development.	1,6	
6	11	HTML5: advanced concepts	X				Study of concepts covered in class. Readings to be determined.	1,6	7
6	12	Web technologies project		X	Telematic Engineering Lab	YES	Exercises. Project development and documentation.	1,6	
7	13	Complementary technologies	X				Study of concepts covered in class. Readings to be determined.	1,6	7
7	14	Web technologies project		X	Telematic Engineering Lab	YES	Exercises. Project development and documentation.	1,6	
8	15	Web technologies	X				Study of concepts covered in class. Readings to be determined.	1,6	7
8	16	Web technologies project		X	Telematic Engineering Lab		Exercises. Project development, documentation and presentation.	1,6	
9	17	Web technologies project (evaluation)	X				Study of concepts covered in class. Readings to be determined.	1,6	7
9	18	Web technologies project (evaluation)		X	Telematic Engineering Lab		Exercises and project.	1,6	
10	19	Module 2. Multimedia applications	X				Study of concepts covered in class. Readings	1,6	7

		Multimedia framework introduction and architecture					to be determined.		
10	20	Introduction to course project: design and development of a multimedia application. Framework fundamentals exercises		X	Telematic Engineering Lab		Exercises. Project development.	1,6	
11	21	Introduction to multimedia application programming	X				Study of concepts covered in class. Readings to be determined.	1,6	
11	22	Introduction to multimedia application programming exercises		X	Telematic Engineering Lab		Exercises. Project development.	1,6	7
12	23	Advanced concepts	X				Study of concepts covered in class. Readings to be determined.	1,6	
12	24	Project		X	Telematic Engineering Lab		Exercises. Project development.	1,6	7
13	25	Multimedia communication and transmission: RTP	X				Study of concepts covered in class. Readings to be determined.	1,6	
13	26	Project		X	Telematic Engineering Lab	YES	Exercises. Project..	1,6	7
14	27	Recap	X				Study of concepts covered in class. Readings to be determined.	1,6	
14	28	Project		X	Telematic Engineering Lab	YES	Exercises. Project.	1,6	7
9	29	Project Evaluation		X	Telematic Engineering Lab		Project.	1,6	
<b>Subtotal 1</b>								<b>48,33</b>	<b>90</b>

<b>Total 1</b> ( <i>Hours of class plus student homework hours between weeks 1-14</i> )	<b>138,33</b>
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15		Tutorials, handing in, etc						8	
16		Assessment						3	30
17									
18									
<b>Subtotal 2</b>								<b>3</b>	<b>38</b>

<b>Total 2</b> ( <i>Hours of class plus student homework hours between weeks 15-18</i> )	41
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<b>TOTAL</b> ( <i>Total 1 + Total 2. Maximum 180 hours</i> )	<b>179,33</b>
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