COURSE NAME: DESIGN OF TELEMATICS APPLICATIONS		
MASTER: TELECOMMUNICATIONS ENGINEERING	COURSE: 1	SEMESTER: 2

CRONOGRAMA ASIGNATURA							
WEEK	SESSION	DESCRIPTION	SPECIAL ROOM FOR SESSION (Computer class room, audio-visual class room)	Indicate YES/NO If the session needs 2 teachers	WEEKLY PROGRAMMING FOR STUDENT		
					DESCRIPTION	CLASS HOURS	HOMEWORK HOURS (Max. 7,5 H)
1	1	- Introduction to the course (contents, methodology, evaluation, etc.) - Introduction to the different possibilities of existing telematics applications and the requirements specification of telematics applications		NO	- Review of JAVA programming, programming techniques, and informatics security - Review and extension of concepts about requirements specification	1,66	7
	2	- Exercises and problems about requirements specification of telematics applications. Requirements specification with a software tool	Computer class room	YES	- Solving exercises and problems about requirements specification of telematics applications	1,66	
2	3	- Concepts about software engineering and web engineering and its application to the modelling of telematics applications		NO	- Review and extension of concepts about software engineering and web engineering and its application to the modelling of telematics application - Exercises about software engineering and web engineering and its application to the modelling of telematics application	1,66	7
	4	- Exercises and problems about modelling of telematics applications and architectural design using basic technoogies. Use of a software tool for the modelling	Computer class room	NO	- Exercises and problems about modelling of telematics applications and its architectural design	1,66	

3	5	- Concepts about data bases, SQL, and JDBC and their relationship with the content and user management in a telematics application		NO	- Review and extension of concepts about data bases, SQL, and JDBC and their relationship with the content and user management in a telematics application - Exercises about data bases, SQL and JDBC	1,66	7
	6	- Practical assignment about data bases	Computer class room	YES	- Make the proposed practical assignment	1,66	
4	7	- Concepts about data bases, SQL, and JDBC and their relationship with the content and user management in a telematics application		NO	- Review and extension of concepts about data bases, SQL, and JDBC and their relationship with the content and user management in a telematics application - Exercises about data bases, SQL and JDBC	1,66	7
	8	- Practical assignment about data bases	Computer class room	NO	- Make the proposed practical assignment	1,66	
5	9	- Concepts about XML and its connection with the content and user management in a telematics application, as well as with the business logic		NO	- Review and extension about XML - Exercises about XML	1,66	7
	10	- Practical assignment about XML	Computer class room	NO	- Make the proposed practical assignment	1,66	
6	11	- Concepts about web services and their relationship with the architecture of telematics applications		NO	- Review and extension about Web services concepts and their relationship with the architecture of telematics applications - Exercises about web services	1,66	7
	12	- Practical assignment about web services	Computer class room	NO	- Make the proposed practical assignment	1,66	
7	13	- Concepts about JEE (servlets, JSP) and its relationship with the business logic and the interface of telematics applications		NO	- Review and extension about JEE (servlets, JSP) and its relationship with the business logic and the interface of telematics applications - Exercises about JEE	1,66	7
	14	- Practical assignment about an application that combines data bases, servlets and JSPs	Computer class room	NO	- Make the proposed practical assignment	1,66	

8	15	- First theoretical exam of the continous evaluation (15% of the final grade of the continuous evaluation)		NO	- Study for the theoretical evaluation exam	1,66	7
	16	- Practical assignment about an application that combines data bases, servlets and JSPs	Computer class room	NO	- Make the proposed practical assignment	1,66	
9	17	- Concepts about JEE (servlets, JSP) and its relationship with the business logic and the interface of telematics applications		NO	- Review and extension about JEE (servlets, JSP) and its relationship with the business logic and the interface of telematics applications - Exercises about JEE	1,66	7
	18	- Practical assignment about an application that combines data bases, servlets and JSPs	Computer class room	NO	- Make the proposed practical assignment	1,66	
10	19	- Concepts about JEE (servlets, JSP) and its relationship with the business logic and the interface of telematics applications		NO	- Review and extension about JEE (servlets, JSP) and its relationship with the business logic and the interface of telematics applications - Exercises about JEE	1,66	7
	20	- Practical assignment about an application that combines data bases, servlets and JSPs	Computer class room	NO	- Make the proposed practical assignment	1,66	
11	21	- Concepts about JEE (servlets, JSP) and its relationship with the business logic and the interface of telematics applications		NO	- Review and extension about JEE (servlets, JSP) and its relationship with the business logic and the interface of telematics applications - Exercises about JEE	1,66	7
	22	- Practical assignment about an application that combines data bases, servlets and JSPs	Computer class room	NO	- Make the proposed practical assignment	1,66	
12	23	- Concepts about Javascript and AJAX		NO	- Review and extensión about JavaScript and AJAX - Exercises about JavaScript and AJAX	1,66	7
	24	- Practical assignment about Javascript and AJAX	Computer class room	YES	- Make the proposed practical assignment	1,66	

13	25	- Component-based software architectures to build telematics applications and scalability of telematics applications - Concepts about development on Google App. Engine		NO	- Review and extension about component-based software architectures to build telematics applications and scalability of telematics applications - Review and extension about Google App. Engine - Exercises about Google App. Engine	1,66	7
	26	- Practical assignment about Google App. Engine	Computer class room	NO	- Make the proposed practical assignment	1,66	
14	27	- Concepts about development on Google App. Engine		NO	- Review and extension about Google App. Engine - Exercises about Google App. Engine	1,66	7
	28	- Second theoretical exam of the continuous evaluation (15% of the final grade of the continuous evaluation)		NO	- Study for the evaluation exam	1,66	
9	29	- Practical assignment about an application that combines data bases, servlets and JSPs	Computer class room	YES	- Make the proposed practical assignment	1,66	0
SUBTOTAL						**48.33**	**98**
15-16						0	14
17-18		Assessment: Final exam of the course about all the contents (50% of the total grade of the continuous evaluation)			- Review of all the concepts of the course for the final course exam	3	8
TOTAL							**171,33**