

COURSE: Database		
DEGREE: DEGREE IN DATA SCIENCE AND ENGINEERING	YEAR:	TERM:

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	1.Introduction. 1.1.Information systems. Databases. Database Management Systems. 1.2. Modeling methodologies				Study of units 1.1 and 1.2	1,66	6,5
	2	1.3.Management of semi structured and complex data; distributed and noSQL databases				Study of units 1.1 and 1.2	1,66	
2	3	2.Relational database. 2.1.Design of a database. Relational model				Study of unit 1.3 / Reading paper	1,66	6,5
	4	2.1.Design of a database. Relational model				Study of unit 2.1	1,66	
3	5	2.1.Design of a database. Relational model				Study of unit 2.1	1,66	6,5
	6	2.2. Lenguaje SQL			Computer clas	Study of unit 2.1	1,66	
4	7	2.1.Design of a database. Relational model				SQL use database	1,66	6,5
	8	2.2. Lenguaje SQL / Project1 part 1			Computer clas	Study of unit 2.1	1,66	
5	9	2.1.Design of a database. Relational model				SQL use database (Project1 part 1)	1,66	6,5
	10	2.2. Lenguaje SQL / Project1 part 2			Computer clas	Study of the midterm exam	1,66	

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6	11	2.3.Introduction database management systemsdel				SQL use database (Project1 part2)	1,66	6,5
	12	2.2. Lenguaje SQL/Project1 part 2			Computer clas	Study of the midterm exam	1,66	
7	13	Midterm Exam				SQL use database (Project1 part2)	1,66	6,5
	14	2.2. Lenguaje SQL/Project1 part 2			Computer clas	SQL use database (Project1 part2)	1,66	
8	15	2.3.Introduction database management systems				Study of unit 2.3	1,66	6,5
	16	2.2. Lenguaje SQL/Project1 part 3			Computer clas	SQL use database (Project1 part3)	1,66	
9	17	3.NoSQL Databases. 3.1.Comparison of relational databases to new NoSQL stores				SQL use database (Project1 part3)	1,66	6,5
	18	2.2. Lenguaje SQL/Project1 part 3			Computer clas	Study of unit 3.1	1,66	
10	19	3.2.NoSQL Databases Types				Study of unit 3.2	1,66	6,5
	20	3.3.NoSQL Database installation and, use and deploymen/Project2			Computer clas	Study of unit 3.2	1,66	
11	21	3.2.NoSQL Databases Types				NoSQL Database use (Project2)	1,66	6,5
	22	3.3.NoSQL Database installation and, use and deployment/Project2			Computer clas	Study of unit 3.2	1,66	
12	23	3.2.NoSQL Databases Types				NoSQL Database use (Project2)	1,66	6,5
	24	3.3.NoSQL Database installation and, use and deployment/Project2			Computer clas	Study of unit 3.2	1,66	
13	25	3.2.NoSQL Databases Types				NoSQL Database use (Project2)	1,66	6,5
	26	3.3.NoSQL Database installation and, use and deployment/Project2			Computer clas	Study of unit 3.4	1,66	
14	27	3.4.MapReduce on Databases				NoSQL Database use (Project2)	1,66	6,5
	28	3.3.NoSQL Database installation and, use and deployment/Project2			Computer clas	Study of unit 3.4	1,66	
	29	3.4.MapReduce on Databases				Study of the final exam	1,66	3,25

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			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)
Subtotal 1						48	94	
Total 1 (Hours of class plus student homework)						142		
15		Tutorials, handing in, etc					3,6	-
16		Assessment					4	10
17								
18								
Subtotal 2						8	10	
Total 2 (Hours of class plus student homework)						18		
TOTAL (Maximun 160 horas)							160	