



COURSE: Networks Theory		
DEGREE: Bachelor in Telematics Engineering	YEAR: 2	TERM: 2

PLANIFICACIÓN SEMANAL DE LA ASIGNATURA									
WEEK	SESSION	DESCRIPTION	GROUP (MARK X)		SPECIAL ROOM FOR SESSION	INDICATE YES/NO IF THE SESSION REQUIRES 2 TEACHERS	WEEKLY PROGRAMMING FOR STUDENT		
			LECTURES	SEMINARS			DESCRIPTION	CLASS HOURS	HOMEWORK HORS (MAX. 7H WEEK)
1	1	Course overview. Probability review	X					1,66	5
1	2	Lab Session – Introduction			X	YES		1,66	
2	3	Probability review exercises	X					1,66	4
2	4	Exam		X				1,66	
3	5	Exponential random variable	X					1,66	4
3	6	Poisson processes		X				1,66	
4	7	Lab Session – Exponential & Poisson	X		X	YES		1,66	7
4	8	Poisson. Exercises						1,66	
5	9	Discrete-Time Markov Chains	X					1,66	5
5	10	Discrete-Time Markov Chains		X				1,66	

6	11	Lab session - DTMC	X		X	YES		1,66	4
6	12	Poisson + Exp. + DTMC - Exercises		X				1,66	
7	13	Exam	X					1,66	5
7	14	Continuous-Time Markov Chains		X				1,66	
8	15	Continuous-Time Markov Chains	X					1,66	7
8	16	Lab session - CTMC			X	YES		1,66	
9	17	Continuous-Time Markov Chains	X					1,66	7
9	18	CTMC		X				1,66	
10	19	CTMC – Exercises	X					1,66	5
10	20	Queueing theory – basic concepts		X				1,66	
11	21	Queueing theory – Exercises	X					1,66	5
11	22	Queueing theory – M/M/ systems		X				1,66	
12	23	M/M/ systems – Exercises	X					1,66	5
12	24	Lab session – Queueing			X	YES		1,66	
13	25	Midterm III	X					1,66	5
13	26	Queueing theory – M/G/1, Priority		X				1,66	
14	27	Queueing theory – Networks	X					1,66	7
14	28	Exercises		X				1,66	
	29	Finals from previous years, group Q&A	X					1,66	3
Subtotal 1								48,33	78
Total 1 (Hours of class plus student homework hours between weeks 1-14)									
15									
16		Final preparation						3	
17									
18									
Subtotal 2								3	
Total 2 (Hours of class plus student homework hours between weeks 15-18)									
TOTAL (Total 1 + Total 2. Max: 180 h)								126,33	