Universidad Carlos III de Madrid
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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		
			synchronous online teaching in a master group or aggregate,	face-to-face teaching in a small group			DESCRIPTION	CLASS HOURS	HOMEWORK HORS (MAX. 7H WEEK)
1	1	Course overview. Probability review		X				1,66	
1	2	Lab Session – Introduction	X			YES		1,66	5
2	3	Exponential random variable	X					1,66	
2	4	“”		X				1,66	4
3	5	Poisson processes	X					1,66	
3	6	“”		X				1,66	4
4	7	Lab Session – Exponential & Poisson	X			YES		1,66	
4	8	Queueing theory intro		X				1,66	7

5	9	Midterm	X					1,66	
5	10	Exercises		X				1,66	5
6	11	Discrete-Time Markov Chains	X					1,66	
6	12	“”		X				1,66	4
7	13	Continuous-Time Markov Chains	X					1,66	
7	14	“”		X				1,66	5
8	15	“”		X				1,66	
8	16	Lab session - MC	X			YES		1,66	7
9	17	Midterm	X					1,66	
9	18	Exercises		X				1,66	7
10	19	Queueing theory – M/M/	X					1,66	
10	20	“”		X				1,66	5
11	21	“”	X					1,66	
11	22	“”		X				1,66	5
12	23	Lab session – Queueing	X			YES		1,66	
12	24	Queueing theory – advanced	X					1,66	5
13	25	“”		X				1,66	
13	26	“”	X					1,66	5
14	27	Exercises		X				1,66	
14	28	“”	X					1,66	7
	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**	