Universidad Carlos III de Madrid
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COURSE: Statistics		
DEGREE: Telecommunication Technologies	**YEAR: 2017**	**TERM: 2nd**

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. 7h week)
1	1	Introduction and basic probability	X			NO		1,66	2,5
1	2	Computer lab: introduction to MATLAB		X		NO	Exercises from computer lab	1,66	
2	3	Conditional probability	X			NO	Theory review (probability)	1,66	1,5 + 3,5
2	4	Exercises and work in small groups		X	Computer Room	NO	Waht videos about probability	1,66	
3	5	Independence and Bayes Theorem	X			NO	Exercises from problema sheet	1,66	2,5

3	6	Exercises of conditional probability and Bayes Theorem		X		NO	Prepare continuous evaluation	1,66	+ 4,5
4	7	Introduction and exercises of random variables	X			NO	Watch videos on random variables	1,66	1,5 + 3,5
4	8	Characteristic of a random variable		X		NO	Exercises from problem sheet	1,66	
5	9	Transformation of a random variable	X			NO	Theory review (transformation of variables). Videos on transformations	1,66	1,5 + 2,5
5	10	Exercises on transformation of random variables		X			Exercises from problem sheet	1,66	
6	11	Discrete models	X			NO	Watch videos (discrete models)	1,66	3 + 1,5
6	12	Computer Lab: Probability and random variables		X	Computer Room	NO	Exercises from computer lab	1,66	
7	13	Continuous evaluation: Probability and random variables	X			NO	Review for exam	1,66	1,5 + 3
7	14	Probability models exercises		X		NO	Exercises from problema sheet	1,66	
8	15	Continuous probability models	X			NO	Theory review.	1,66	1,5 + 3,5
8	16	Exercises about continuous probability models		X		NO	Exercises from problem sheet	1,66	
9	17	Central Limit Theorem and approximations	X			NO	Guided computer lab on random variables	1,66	3

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9	18	Exercises on approximations		X		NO	Exercises from problem sheet	1,66	1,5
10	19	Introduction and characteristic measures of random vectors	X			NO	Theory review (random vectors)	1,66	1,5 +
10	20	Exercises on random vectors		X		NO	Exercises from problem sheet	1,66	1,5
11	21	Transformations of random vectors	X			NO	Theory review (transformations)	1,66	1,5
11	22	Exercises of transformation of random vectors		X		NO	Exercises from computer Lab	1,66	+ 3,5
12	23	Characteristic measures of stochastic processes	X			NO	Theory review	1,66	3,5
12	24	Random vectors exercises		X		NO	Exercises from problem sheet	1,66	+ 1,5
13	25	Stationarity and ergodicity of stochastic processes	X			NO	Theory review	1,66	3
13	26	Stochastic processes exercises		X		NO	Theory review and problems from exercises sheet.	1,66	+ 4
14	27	Review of basic conceps	X			NO	Preparation for continuous evaluation	1,66	3,5
14	28	Computer lab on random vectors and stochastic processes		X	Computer Room	NO	Exrecises form computer lab	1,66	+ 1,5
	29	Continuous Evaluation: R. vec. and stochastic processes		X		NO	Preparation of continuous evaluation	1,66	3
								48,33	**70**

		Total 1 *(Hours of class plus student homework hours between weeks 1-14)*						118.33	
15		Tutorials, handing in, etc	X						
16		Assessment						3	6
17									
18									
							Subtotal 2	**3**	
		Total 2 *(Hours of class plus student homework hours between weeks 15-18)*						9	
TOTAL *(Total 1 + Total 2. Maximum 180 hours)*								**127.33**	