Universidad
Carlos III de Madrid

DENOMINACIÓN ASIGNATURA: STATISTICS		
GRADO: DEGREE IN SOUND AND IMAGE ENGINEERING	CURSO:1	CUATRIMESTRE:2

CRONOGRAMA ASIGNATURA

SE-MA-NA	SE-SIÓN	DESCRIPCIÓN DEL CONTENIDO DE LA SESIÓN	GRUPO (Marcar X)		Indicar espacio necesario distinto aula (aula inform, laboratorio, etc..)	Indicar SI/NO es una sesión con 2 profe-sores (*)	TRABAJO DEL ALUMNO DURANTE LA SEMANA		
			GRAN-DE	PE-QUE-ÑO			DESCRIPCIÓN	HORAS PRESENCIALES	HORAS TRABJO Semana Máximo 7 H
1	1	Introduction and basic probability	X			NO		1,5	4,5 + 2,5
1	2	Exercises and work in small groups		X		NO	Watch videos on probability	1,5	
2	3	Conditional probability	X			NO	Theory review (probability)	1,5	1,5 + 3,5
2	4	Computer Lab: Descriptive Statistics		X	Computer Room	NO	Exercises from problema sheet	1,5	
3	5	Independence and Bayes Theorem	X			NO	Exercises from computer lab	1,5	3,5 + 1,5
3	6	Exercises of conditional probability and Bayes Theorem		X		NO	Prepare continuous evaluation	1,5	
4	7	Continuous Evaluation: Probability	X			NO	Watch videos on random variables	1,5	1,5 + 3,5
4	8	Introduction and exercises of random variables		X		NO	Exercises from problem sheet	1,5	

			X			NO		1,5	
5	9	Transformation of a random variable	X			NO	Theory review (transformation of variables). Videos on transformations	1,5	1,5 + 1,5
5	10	Exercises on transformation of random variables		X			Exercises from problem sheet	1,5	
6	11	Discrete models	X			NO	Watch videos (discrete models)	1,5	3 + 1,5
6	12	Computer Lab: Probability and random variables Continuous evaluation		X	Computer Room	NO	Exercises from computer lab	1,5	
7	13	Continuous probability models	X			NO	Theory review (probability models). Watch videos on continuous probability models	1,5	1,5 + 3
7	14	Probability models exrecises		X		NO	Exercises from problema sheet	1,5	
8	15	Central Limit Theorem and approximations	X			NO	Theory review.	1,5	1,5 + 3,5
8	16	Exercises on approximations		X		NO	Preparation for continuous evaluation	1,5	
9	17	Continuous evaluation: Random variablesa and probability models	X			NO	Guided computer lab on random variables	1,5	3 + 1,5
9	18	Introdcution to random vectors and exercises		X		NO	Exercises from problem sheet	1,5	
10	19	Characteristic measures of random vectors	X			NO	Theory review (random vectors)	1,5	1.5 + 1.5
10	20	Exercises on random vectors		X		NO	Exercises from problem sheet	1,5	
11	21	Transformations	X			NO	Theory review (transformations)	1,5	1,5 + 3,5
11	22	Computer Lab: Random Vectors		X	Computer Room	NO	Exercises from computer Lab	1,5	
12	23	Characteristic measures of stochastic processes	X			NO	Theory review	1,5	3,5 + 1.5
12	24	Random vector exercises		X		NO	Exercises from problem sheet	1,5	
13	25	Stationarity of stochastic processes	X			NO	Theory review	1,5	3 +

13	26	Stochastic processes exercises		X		NO	Theory review and problems from exercises sheet.	1,5	4
14	27	Review of basic conceps	X			NO	Guided computer lab.on stochastic processes	1,5	3 + 1,5
14	28	Exercises on Stochastic processes		X		NO	Preparation for continuous evaluation	1,5	
SUBTOTAL								**42**	**+ 68 = 110**
15		Continuous evaluation: Random vectors and stochastic processes		X					
16-18		Preparation for evaluation and Evaluation						3	
TOTAL									**150**

(*) El número máximo de sesiones con 2 profesores y/o de laboratorios experimentales será de 4.

SE-SIÓN	SE-MA-NA	DESCRIPCIÓN DEL CONTENIDO DE LA SESIÓN (El grupo se subdivide en dos. En el horario se programan dos sesiones en el laboratorio indicado en esa semana)	LABORATORIO EN EL QUE SE REALIZAN LAS SESIONES	TRABAJO DEL ALUMNO DURANTE LA SEMANA		
				DESCRIPCIÓN	HORAS PRESENCIALES	HORAS TRABJO Semana Máximo 7 H
1					1,5	
2					1,5	
3					1,5	
4					1,5	
TOTAL						

CRONOGRAMA LABORATORIOS EXPERIMENTALES