uc3m | Universidad Carlos III de Madrid
Vicerrectorado de Estudios
Apoyo a la docencia y gestión del grado

COURSE: Statistical methods for Telecommunications		
DEGREE: Bachelor's Degree in Sound and Image Engineering	YEAR: 3º	TERM: 2º

WEEKLY PLANNING

WEEK	SESSION	DESCRIPTION	TEACHING (mark X)		SPECIAL ROOM FOR SESSION (Computer class room, audio-visual class room)	WEEKLY PROGRAMMING FOR STUDENT		
			LECTURES	SEMINARS		DESCRIPTION	CLASS HOURS (1,66=50+50 min)	HOMEWORK HOURS (Max. Estim. 3,25h)
1	1	Chapter 1. Review of Descriptive Statistics, Probability, Random Variables and Probability Models	X			To assimilate the concepts covered in class	1,66	3,25
2	2	Chapter 2. Introduction to Point Estimation	X			To assimilate the concepts covered in class	1,66	3,25
3	3	Chapter 2. Maximum likelihood estimation	X			To assimilate the concepts covered in class	1,66	3,25
4	4	Exercises of Chapter 2 with MATLAB		X	Aula INF	To solve exercises with MATLAB	1,66	3,25
5	5	Chapter 3. Introduction to Confidence Intervals (CI) and hypothesis tests (HT) based on the sample mean	X			To assimilate the concepts covered in class	1,66	3,25
6	6	Chapter 3. Inference for a proportion and Bootstrap	X			To assimilate the concepts covered in class	1,66	3,25
7	7	Exercises of Chapter 3 with MATLAB		X	Aula INF	To solve exercises with MATLAB	1,66	3,25
8	8	Chapter 4. Comparison of populations (difference of means)	X			To assimilate the concepts covered in class	1,66	3,25
9	9	Exercises of Chapter 4 with MATLAB		X	Aula INF	To solve exercises with MATLAB	1,66	3,25
10	10	Chapter 4. Comparison of populations (difference of proportions) and Bootstrap	X			To assimilate the concepts covered in class	1,66	3,25
11	11	Exercises of Chapter 4 with MATLAB		X	Aula INF	To solve exercises with MATLAB	1,66	3,25
12	12	Chapter 5. Simple linear regression	X			To assimilate the concepts covered in class	1,66	3,25
13	13	Chapter 5. Multiple linear regression	X			To assimilate the concepts covered in class	1,66	3,25
14	14	Exercises of Chapter 5 with MATLAB		X	Aula INF	To solve exercises with MATLAB	1,66	3,25

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	15	Additional session: midterm exam on chapters 1-4 (week 12)	X			Midterm exam	1,66	3,25
						Subtotal 1	**25**	**49**
						Total 1 *(Hours of class plus student homework)*	**74**	
15		Tutorials, handing in, etc				Case study submission	1,8	-
16		Assessment					4	4
17								
18								
						Subtotal 2	**6**	**4**
						Total 2 *(Hours of class plus student homework)*	**10**	
TOTAL *(Maximun 83 horas)*							**83**	