

<b>SUBJECT DENOMINATION: Técnicas de Inferencia Estadística II</b>		
<b>DEGREE:</b>	<b>Estadística y Empresa</b>	<b>COURSE: 2</b>
		<b>SEMESTER: 2</b>

<b>CRONOGRAM OF THE SUBJECT</b>								
WEEK	SESSION	DESCRIPTIONS OF THE CONTENTS OF EACH SESSION	GROUP (Put an X)		Point out the space needed (classroom, audiovisual, etc.)	STUDENT WORK DURING THE WEEK		
			BIG	SMALL		DESCRIPTION	CLASS HOURS	WORKING HOURS per week (max) 7 H
1	1	Course presentation Chapter 1: Basic concepts in hypothesis testing Introduction/overview. Basic concepts in hypothesis testing.	X			Working on the class material.	1,5	7
1	2	Chapter 1: Hypothesis testing Theoretical and computational exercises.		X		Working on the class material. Worksheet 1. Computational exercises 1.	1,5	
2	3	Chapter 2. One-sample parametric hypothesis testing One-sample hypothesis tests.	X			Working on the class material. Worksheet 2. Computational exercises 2.	1,5	7
2	4	Chapter 2. One-sample parametric hypothesis testing Theoretical and computational exercises.		X		Working on the class material. Worksheet 2. Computational exercises 2.	1,5	
3	5	Chapter 3. Two-sample parametric hypothesis testing. Tests for two independent samples.	X			Working on the class material. Worksheet 3. Computational exercises 3.	1,5	7
3	6	Chapter 3. Two-sample parametric hypothesis testing. Theoretical and computational exercises		x		Working on the class material. Worksheet 3. Computational exercises 3.	1,5	
4	7	Chapter 3. Two-sample parametric hypothesis testing. Tests for two paired samples.	X			Working on the class material. Worksheet 3. Computational exercises 3.	1,5	7
4	8	Chapter 3. Two-sample parametric hypothesis testing. Theoretical and computational exercises		x		Working on the class material. Worksheet 3. Computational exercises 3. Group tutorial.		

5	9	Chapter 4: Analysis of Variance. Model assumptions. ANOVA table.	X			Working on the class material. Worksheet 4. Computational exercises 4.	1,5	7
5	10	<b>First individual partial exam.</b> Chapter 4: Analysis of Variance. Theoretical and computational exercises		X		Working on the class material. Worksheet 4 Computational exercises 4.	1,5	
6	11	Chapter 4: Analysis of Variance. Two-way ANOVA and interactions.	X			Working on the class material. Worksheet 4. Computational exercises 4.	1,5	7
6	12	Chapter 4: Analysis of Variance. Theoretical and computational exercises		X		Working on the class material. Worksheet 4 Computational exercises 4. <b>First part of the group project.</b>	1,5	
7	13	Chapter 5: Nonparametric goodness of fit tests Chi-square tests	X			Working on the class material. Worksheet 5. Computational exercises 5.	1,5	7
7	14	Chapter 5: Nonparametric goodness of fit tests Theoretical and computational exercises		X		Working on the class material. Worksheet 5. Computational exercises 5.	1,5	
8	15	Chapter 5: Nonparametric goodness of fit tests Kolmogorov-Smirnov and normality tests.	X			Working on the class material. Worksheet 5. Computational exercises 5.	1,5	7
8	16	Chapter 5: Nonparametric goodness of fit tests Theoretical and computational exercises		X		Working on the class material. Worksheet 5. Computational exercises 5.	1,5	
9	17	Chapter 6: Nonparametric one-sample location tests Sign test	X			Working on the class material. Worksheet 6. Computational exercises 6.	1,5	7
9	18	Chapter 6: Nonparametric one-sample location tests Theoretical and computational exercises		X		Working on the class material. Worksheet 6. Computational exercises 6.	1,5	
10	19	Chapter 6: Nonparametric one-sample location tests Wilcoxon signed-rank test	X			Working on the class material. Worksheet 6. Computational exercises 6.	1,5	7

10	20	Chapter 6: Nonparametric one-sample location tests Theoretical and computational exercises		X		Working on the class material. Worksheet 6. Computational exercises 6. Second part of the group project. Group tutorial.	1,5	
11	21	Chapter 7: Non parametric multiple-group tests Chi-square tests. Kolmogorov-Smirnov tests	X			Working on the class material. Worksheet 7. Computational exercises 7.	1,5	7
11	22	First exam in groups Chapter 7: Non parametric multiple-group tests Theoretical and computational exercises		X		Working on the class material. Worksheet 7. Computational exercises 7.	1,5	
12	23	Chapter 7: Non parametric multiple-group tests Mann-Whitney-Wilcoxon tests Kruskall Wallis tests	X			Working on the class material. Worksheet 7. Computational exercises 7.	1,5	7
12	24	Chapter 7: Non parametric multiple-group tests Theoretical and computational exercises		X		Working on the class material. Worksheet 7. Computational exercises 7.	1,5	
13	25	Chapter 8. Association measures Limitations of the Pearson linear correlation coefficient Spearman and Kendall rank correlation coefficients	X			Working on the class material. Worksheet 8. Computational exercises 8.	1,5	7
13	26	Chapter 8. Association measures Theoretical and computational exercises		X		Working on the class material. Worksheet 8. Computational exercises 8.	1,5	
14	27	Revision class and exam preparation	X			Third part of the group project Working on the class material.	1,5	7
14	28	Oral presentation of the group project. Revision class and exam preparation		X		Working on the class material.	1,5	
<b>SUBTOTAL</b>							<b>42</b>	<b>+ 68 = 110</b>
15		Tutorial classes and projects deadlines.				Individual and group tutorial classes. Preparation for the final exam.		10
16- 18		Final exam				Preparation for the final exam. Final exam	3	27
<b>TOTAL</b>								<b>150</b>