



<b>COURSE: Econometrics I</b>		
<b>Studies: Finance and accounting</b>	<b>Year: 2</b>	<b>Term: Spring</b>

<b>CHRONORAM</b>									
Week	Session	Topic	GROUP		Indicate Room	Session with two professors - (*)	Student's Task		
			BIG	Small			DESCRIPTION	Compulsory Hours	Weekly working hours Maximal 7 H
1	1	Topic 1. Motivation and revision of basic concepts of the multiple regression model	X			NO	Study of the material covered. (presentation, recommended literature)	1,5	4
1	2	Activity 0: Exercises on Lineal Algebra		X		NO	Consult the guide corresponding to the problem set.	1,5	
2	3	Topic 1.Sampling distributions of the OLS estimator. Testing hypotheses about a single population parameter. Examples.	X			NO	Study of the material covered. (presentation, recommended literature)	1,5	5
2	4	Activity 0: Exercises on Lineal Algebra		X		NO	Consult the guide corresponding to the problem set.	1,5	
3	5	Topic 1.Sampling distributions of the OLS estimator. Testing hypotheses about a single population parameter. Examples.	X			NO	Study of the material covered. (presentation, recommended literature)	1,5	5
3	6	Activity 1: Multiple regression exercises		X		NO	Consult the guide corresponding to the problem set. 1	1,5	
4	7	Topic 1. Confidence intervals. Testing linear combinations of variables. Testing multiple linear equations: The F-test	X			NO	Study of the material covered. (presentation, recommended literature)	1,5	5
4	8	Activity 2: Inference in multiple regression		X		NO	Consult the guide corresponding to the problem set. 1	1,5	
5	9	Topic 2. Multiple regressions with dummy variables. Multiple regressions with dummy variables. Interactions with dummy variables. Examples.	X			NO	Study of the material covered. (presentation, recommended literature)	1,5	5

5	10	Activity 3: Introduction to the application of econometric software. Estimation and inference in the multiple regression model.		X	Computer room	NO	Consult the guide corresponding to the laboratory activity. 1	1,5	
6	11	Topic 2. A binary dependent variable: the linear probability model. Examples	X			NO	Study of the material covered. (presentation, recommended literature)	1,5	4
6	12	Activity 4: Multiple regression with dummy variables.		X		NO	Consult the guide corresponding to the problem set. 2	1,5	
7	13	Topic 3. Multicollinearity. Perfect Colinearity. The effects of colinearity. Indicators of multicollinearity. Examples.	X			NO	Study of the material covered. (presentation, recommended literature)	1,5	5
7	14	Activity 5: The regression model with binary variables.		X	Computer room	NO	Consult the guide corresponding to the laboratory activity. 2	1,5	
8	15	<b>Midterm exam</b>	X			NO	Studying for the exam	1,5	5
8	16	Activity 6: Multicollinearity		X		NO	Consult the guide corresponding to the problem set. 3	1,5	
9	17	Topic 4. Heteroskedasticity. Consequences of heteroskedasticity for the OLS estimator. Examples.	X			NO	Study of the material covered. (presentation, recommended literature)	1,5	5
9	18	Activity 7: Multicollinearity		X	Computer room	NO	Consult the guide corresponding to the laboratory activity. 3	1,5	
10	19	Topic 4. Robust estimation of heteroskedasticity. Testing for heteroskedasticity. Examples.	X			NO	Study of the material covered. (presentation, recommended literature)	1,5	5
10	20	Activity 8: Heteroskedasticity.		X		NO	Consult the guide corresponding to the problem set. 4	1,5	
11	21	Topic 4. Testing for heteroskedasticity (continuation) . Generalized least squares. Examples	X			NO	Study of the material covered. (presentation, recommended literature)	1,5	5
11	22	Activity 9: Testing for heteroskedasticity		X		NO	Consult the guide corresponding to the problem set. 4	1,5	
12	23	Topic 4. Generalized least squares (continuation). Examples.	X			NO	Study of the material covered. (presentation, recommended literature)	1,5	5
12	24	Activity 10: Heteroskedasticity		X	Computer Room	NO	Consult the guide corresponding to the laboratory activity 4.	1,5	
13	25	Topic 5. Endogenous regressors. Causes of endogeneity. Examples	X			NO	Study of the material covered. (presentation, recommended literature)	1,5	5
13	26	Activity 11: Endogenous regressors		X		NO	Consult the guide corresponding to the problem set. 5	1,5	
14	27	Topic 5. Instrumental Variables and testing endogeneity. Examples.	X			NO	Study of the material covered. (presentation, recommended literature)	1,5	5
14	28	Activity 12: Endogeneity		X	Computer Room	NO	Consult the guide corresponding to the laboratory activity 5.	1,5	
<b>SUBTOTAL</b>								<b>42</b>	<b>+ 68 = 110</b>
15		<b>Midterm exam with the computer</b>							10

16-18		Preparation for the final exam. Final exam.							3	27
<b>TOTAL</b>										<b>150</b>

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

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