

		Teaching Guide		
	Identifying E	Data		2016/17
Subject (*)	ESTATÍSTICA		Code	730G04008
Study programme	Grao en enxeñaría en Tecnoloxías Industriais			
	-	Descriptors		
Cycle	Period	Year	Туре	Credits
Graduate	2nd four-month period	First	FB	6
Language	Spanish			
Teaching method	Face-to-face			
Prerequisites				
Department	Análise Económica e Administración	de Empresas		
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Lecturers	Crespo Pereira, Diego E-mail		il diego.crespo@udc.es	
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Web				
eneral description				

	Study programme competences / results
Code	Study programme competences / results

Learning outcomes			
Learning outcomes	Study	y progra	amme
	con	npetenc	es/
		results	
Capacity for abstraction, understanding, analysis and simplification of instances and processes.	A1	B2	C1
		B3	C4
		B4	
		B5	
		B6	
		B7	
Using statistical software for solving engineering problems involving randomness and large volume of data.	A1		C1
Ability to solve statistical problems encountered in engineering.	A1		C1

Planning



Methodologies / tests	Competencies /	Teaching hours	Student?s personal	Total hours
	Results	(in-person & virtual)	work hours	
Guest lecture / keynote speech	A1 B2 B7	30	36	66
Problem solving	B3 B4 B5 C1 C4	20	18	38
ICT practicals	A1 B6	10	10	20
Mixed objective/subjective test	A1 B2 B3 B4 B5	3	9	12
Objective test	A1 B2 B3 B4	3	9	12
Personalized attention		2	0	2

(\*)The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.

Methodologies		
Methodologies	Description	
Guest lecture /	Lectures about the course topics.	
keynote speech		
Problem solving	Solving exercises and statistical problems encountered in engineering.	
ICT practicals	Resolution of practical cases of statistical problems by Excel.	
Mixed	Midterm exam of the first issues of the subject.	
objective/subjective		
test		
Objective test	Final exam	

Personalized attention		
Methodologies	Description	
ICT practicals	The personalized attention will be made in the tutorials.	
Objective test		
Mixed		
objective/subjective		
test		

		Assessment	
Methodologies	Competencies /	Description	Qualification
	Results		
ICT practicals	A1 B6	Evaluation of case studies solved in small groups.	25
Objective test	A1 B2 B3 B4	Final exam with test questions and troubleshooting.	50
Mixed	A1 B2 B3 B4 B5	Midterm exam with test questions and troubleshooting.	25
objective/subjective			
test			

## Assessment comments

IMPORTANT: Attendance to at least the 80% of classes is required in order to pass the course, unless justified and autorized by the professor. Students who do not meet this requirement will have the qualification of SUSPENSE. The "students with recognition of a part-time academic and exemption of assistance" will communicate at the beginning of the course your situation to the teachers of the subject, as established by the "Standard that regulates the dedication to the study of undergraduates in the UDC "(Art.3.be 4.5) and the" Standards for evaluation, review and claim of the qualifications of undergraduate and master's degree (Art. 3 and 8b).Students in this situation will be assessed on the date approved by the School Board, by an objective test consisting of solving exercises on the contents of step 3 of the Guide.

Sources of information



Basic	<ul> <li>García del Valle, Alejandro; Crespo, Diego (2010). Apuntes de Estadística para Ingenieros. Moodle UDC</li> <li>Douglas C. Montgomery, George C. Runger (2011). Applied Statistics and Probability for Engineers. John Wiley</li> </ul>
Complementary	- S. Christian Albright, Wayne Winston, Christopher J. Zappe (1999). Data Analysis & amp; amp; amp; amp; amp; Decision Making with Microsoft Excel. Duxbury
	- Ronald E. Warpole (1999). Probabilidad y Estadística para Ingenieros. Pearson

 Recommendations

 Subjects that it is recommended to have taken before

 Subjects that are recommended to be taken simultaneously

 Subjects that continue the syllabus

 ORGANIZACIÓN DE EMPRESAS/730G03024

 SIMULACIÓN DE PROCESOS INDUSTRIAIS E OPTIMIZACIÓN/730G04065

 Other comments

Existe unha bibliografía moi ampla e actualizada sobre Estatística na biblioteca da Escola Politécnica Superior (moita dela en inglés). Os apuntamentos da materia estarán dispoñibles en Moodle así como os enunciados de casos propostos.

(\*)The teaching guide is the document in which the URV publishes the information about all its courses. It is a public document and cannot be modified. Only in exceptional cases can it be revised by the competent agent or duly revised so that it is in line with current legislation.