



Teaching Guide

Identifying Data					2015/16
Subject (*)	ORGANIZACIÓN DE EMPRESAS	Code	730G03024		
Study programme	Grao en Enxeñaría Mecánica				
Descriptors					
Cycle	Period	Year	Type	Credits	
Graduate	2nd four-month period	Third	Obligatoria	6	
Language	Spanish				
Teaching method	Face-to-face				
Prerequisites					
Department	Análise Económica e Administración de Empresas				
Coordinador	Garcia del Valle, Alejandro	E-mail	alejandro.garcia.delvalle@udc.es		
Lecturers	Crespo Pereira, Diego	E-mail	diego.crespo@udc.es		
	Garcia del Valle, Alejandro		alejandro.garcia.delvalle@udc.es		
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Web	www.gii.udc.es				
General description	This course teaches operations management from the point of view of Industrial Engineering.				

Study programme competences

Code	Study programme competences
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Learning outcomes

Learning outcomes	Study programme competences		
Coñecementos de organización de empresas e de sistemas de produción.	A15 A17		C6
Analizar e descompoñer procesos de organización industrial. Simplificar problemas complexos.		B5 B7	
Utilizar software para resolver problemas de organización de empresas con gran volume de datos.		B2 B3 B4	C1 C4

Contents

Topic	Sub-topic
1. Introduction	
2. Technical and economic analysis of decision alternatives	
3. Selection, design and process analysis	
4. Forecasting and demand planning	
5. Aggregate Production Planning	
6. Gestión de inventarios	
7. LEAN and JIT Production	
8. Enterprise Resource Planning ERP	
9. Scheduling jobs	

Planning

Methodologies / tests	Competencies	Ordinary class hours	Student?s personal work hours	Total hours
Guest lecture / keynote speech	A15 A17 B2 B3 B4 B5 C6	24	44.4	68.4
ICT practicals	B7 C1 C4	32	33.6	65.6



Mixed objective/subjective test	B4 B5	4	12	16
Personalized attention		0	0	0

(*)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 / keynote speech	Lectures in large groups
ICT practicals	Classes in medium and small groups using ICT (Excel, ExtendSim and other appropriate tools).
Mixed objective/subjective test	Final exam

Personalized attention	
Methodologies	Description
Guest lecture / keynote speech ICT practicals Mixed objective/subjective test	Personal attention will be made in tutorial hours.

Assessment			
Methodologies	Competencies	Description	Qualification
ICT practicals	B7 C1 C4	Classes in medium and small groups using ICT (Excel, ExtendSim and other appropriate tools).	25
Mixed objective/subjective test	B4 B5	Final exam.	75

Assessment comments

Sources of information	
Basic	<ul style="list-style-type: none"> - David Krahl, Robin Clark (2011). ExtendSIM for Discrete Event System Simulation. Imagine That! - Collier, David Alan; Evans, James R. (). OM4. CENGAGE Learning - Heizer, Jay and Render, Barry (). Operations Management. Prentice Hall - Slack, Nigel; Chambers, Stuart; Johnston, Robert (). Operations Management. Prentice Hall - García del Valle, Alejandro; Lamas, Adolfo; Crespo, Diego (). Apuntes de Organización de Empresas. Moodle
Complementary	<ul style="list-style-type: none"> - Greasley, Andrew (2009). Operations Management. John Wiley - Askin, Ronald G and Jeffrey, B. Goldberg (2002). Desing and Analysis of Lean Production Systems. John Wiley

Recommendations
Subjects that it is recommended to have taken before
ESTADÍSTICA/730G03008 XESTIÓN EMPRESARIAL/730G03010
Subjects that are recommended to be taken simultaneously
Subjects that continue the syllabus



Other comments

&amp;amp;lt;p&amp;amp;gt;There is an extensive literature on Operations Management in the library of the Polytechnic School (mostly in English).&amp;amp;amp;nbsp;&amp;amp;lt;p&amp;amp;gt;&amp;amp;lt;p&amp;amp;gt;The chapters of the course are available in PDF documents in Moodle.&amp;amp;lt;p&amp;amp;gt;&amp;amp;lt;p&amp;amp;gt;Exams and solutions of recent years are available in Moodle&amp;amp;lt;p&amp;amp;gt;&amp;amp;lt;p&amp;amp;gt;. &amp;amp;lt;p&amp;am p&amp;gt;

(*)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.