UNIVERSIDADE DA CORUÑA

Teaching Guide				
Identifying Data				2014/15
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			
Prerequisites				
Department	Análise Económica e Administración de Empresas			
Coordinador	Garcia del Valle, Alejandro	E-mail	alejandro.garcia.delvalle@udc.es	
Lecturers	Crespo Pereira, Diego Garcia del Valle, Alejandro Lamas Rodriguez, Adolfo	E-mail	diego.crespo@udc.es alejandro.garcia.delvalle@udc.es adolfo.lamasr@udc.es	
Web	www.gii.udc.es			
General description	Esta materia ensina a dirección de operacións dende o punto de vista da Enxeñería Industrial.			

Study programme competences	
Code	Study programme competences

Learning outcomes			
Subject competencies (Learning outcomes)	Study programme competences		
Conocimientos de organización de empresas y de sistemas de producción			
Analizar y descomponer procesos de organización industrial. Simplificar problemas complejos.			
Utilizar software para resolver problemas de organización de empresas con gran volumen de datos.			

Contents	
Topic	Sub-topic
1. Introduction	
2. Technical and economic analysis of decisision 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	Ordinary class hours	Student?s personal work hours	Total hours
Guest lecture / keynote speech	24	44.4	68.4
ICT practicals	32	33.6	65.6
Mixed objective/subjective test	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**
ICT practicals Mixed objective/subjective test Guest lecture / keynote speech	Personal attention will be made in tutorial hours.

Assessment		
Methodologies	**Description**	**Qualification**
ICT practicals	Clases en grupos medianos e pequenos utilizando TIC (Excel, ExtendSIM e outras ferramentas que se consideren oportunas).	25
Mixed objective/subjective test	Examen final da materia	75

Assessment comments

Sources of information	
Basic	- García del Valle, Alejandro; Lamas, Adolfo; Crespo, Diego; del Rïo, David (). Apuntes de Organización de Empresas. Moodle - David Krahl, Robin Clark (2011). ExtendSIM for Discrete Event System Simulation. Imagine That! - Collier, David Alan; Evans, James R. (). OM4. CENGAGE Learning - Slack, Nigel; Chambers, Stuart; Johnston, Robert (). Operations Management. Prentice Hall - Heizer, Jay and Render, Barry (). Operations Management. Prentice Hall
Complementary	- Askin, Ronald G and Jeffrey, B. Goldberg (2002). Desing and Analysis of Lean Production Systems. John Wiley - Greasley, Andrew (2009). Operations Management. John Wiley

Recommendations
Subjects that it is recommended to have taken before
Subjects that are recommended to be taken simultaneously
Subjects that continue the syllabus
ESTATÍSTICA/730G03008 XESTIÓN EMPRESARIAL/730G03010
Other comments
There is an extensive literature on Operations Management in the library of the Polytechnic School (mostly in English).The chapters of the course are available in PDF documents in Moodle.Exams and solutions of recent years are available in Moodle

(*)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.