



## IDENTIFYING DATA

### Basics of operations management

Subject	Basics of operations management			
Code	V12G363V01305			
Study programme	Grado en Ingeniería en Tecnologías Industriales			
Descriptors	ECTS Credits	Choose	Year	Quadmester
	6	Mandatory	2nd	1st
Teaching language	Spanish			
Department				
Coordinator	Mejías Sacaluga, Ana María			
Lecturers	Doiro Sancho, Manuel Mandado Vazquez, Alfonso Mejías Sacaluga, Ana María Sartal Rodríguez, Antonio			
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General description				

## Skills

Code	
B8	CG8 Ability to apply the principles and methods of quality.
B9	CG9 Ability to organize and plan within the sphere of a company, and other institutions and organizations.
C15	CE15 Basic knowledge of production systems and manufacturing.
C17	CE17 Applied knowledge of business organization.
D1	CT1 Analysis and synthesis.
D2	CT2 Problem solving.
D7	CT7 Ability to organize and plan.
D8	CT8 Decision making.
D9	CT9 Application of knowledge.
D11	CT11 Planning changes to improve overall systems.
D18	CT18 Working in an international context.

## Learning outcomes

Expected results from this subject	Training and Learning Results		
New	B8 B9	C15 C17	D1 D2 D7 D8 D9 D11 D18

## Contents

Topic	
(*)PART *I. CURRENT SURROUNDINGS And PRODUCTIVE SYSTEMS (3*h)	(*)1.1.CURRENT SURROUNDINGS OF THE COMPANY 1.2.THE PRODUCTIVE SYSTEMS And THE MEASURE OF THE PRODUCTIVITY1.3.CONCEPT OF MANAGEMENT OF PRODUCTION. FUNCTIONS

(*)PART *II. FORECAST OF THE DEMAND	(*)2. INTRODUCTION. COMPONENTS. METHODS OF FORECAST OF THE DEMAND3.QUANTITATIVE METHODS OF FORECAST
(*)PART *III. MANAGEMENT OF INVENTORIES And MANAGEMENT OF PRODUCTION	(*)4.BASIC CONCEPTS OF CONTROL And MANAGEMENT OF INVENTORIES5.CONTROL OF INVENTORIES6.MANAGEMENT OF INVENTORIES IN INDUSTRIAL COMPANIES
(*)PART *IV. MANAGEMENT OF PRODUCTION IN INDUSTRIAL COMPANIES	(*)7.PLANNING OF PRODUCTION. PLAN ADDED. MASTER PLAN OF PRODUCTION 8.PLANNING OF NEEDS OF MATERIAL (*MRP)9.PLANNING OF NEEDS OF CAPACITY (*CRP) 10.PROGRAMMING OF PRODUCTION. CRITERIA And BASIC RULES
(*)PART *V. INTRODUCTION AL STUDY OF THE WORK	(*)11.INTRODUCTION AL STUDY OF THE WORK. STANDARDISATION OF OPERATIONS.12. DISTRIBUTION IN PLANT
(*)PART SAW. THE PHILOSOPHY JUST IN TIME (*JIT)	(*)12.THE PHILOSOPHY *JUST *IN *TIME (*JIT). DEFINITION And OBJECTIVE. ELEMENTS. OTHER APPROACHES OF IMPROVEMENT 13. SOFTENED OF THE PRODUCTION.
(*)PART *VII. INTRODUCTION To THE MANAGEMENT OF THE QUALITY, THE SECURITY And THE ENVIRONMENT	(*)14. INTRODUCTION To THE MANAGEMENT OF THE QUALITY, THE SECURITY And THE ENVIRONMENT
(*)PRACTICAL	(*)1. INTRODUCTION 2.FORECAST OF THE DEMAND3. CONTROL OF INVENTORIES4. MANAGEMENT OF INVENTORIES5. PLANNING OF THE PRODUCTION *I6. PLANNING OF THE PRODUCTION *II7. LISTS OF MATERIALS And OPERATIONS8. PLANNING OF THE CAPACITY9. PROGRAMMING OF THE PRODUCTION10. GLOBAL CASE OF MANAGEMENT OF PRODUCTION

### Planning

	Class hours	Hours outside the classroom	Total hours
Lecturing	32.5	64.5	97
Practices through ICT	18	18	36
Objective questions exam	6	6	12
Laboratory practice	2	3	5

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

### Methodologies

	Description
Lecturing	(*)Exposición por parte do profesor dos contidos sobre a materia obxecto de estudo, bases teóricas e/ou directrices do traballo, exercicio ou proxecto a desenvolver polo estudante.
Practices through ICT	(*)Actividades de aplicación dos coñecementos a situacións concretas e de adquisición de habilidades básicas e *procedimentales relacionadas coa materia obxecto de estudo. Desenvólvense en espazos especiais con equipamento adecuado.

### Personalized assistance

Methodologies	Description
Lecturing	
Practices through ICT	

### Assessment

	Description	Qualification	Training and Learning Results		
Objective questions exam	(*)2 Teórico-Prácticas: Probas de avaliación continua que se realizarán a o longo do curso, nas clases de teoría, distribuídas de forma uniforme e programadas para que non interfiran no resto das materias. Cada unha destas probas (puntuación sobre 10) constarán dunha parte tipo test (5 puntos) e doutra de exercicios (5 puntos). Para poder superar ou compensar dita proba hai que alcanzar en cada unha das partes polo menos 1,75 puntos	60	B8 B9	C15 C17	D1 D2 D7 D8 D9 D18
Laboratory practice	(*)1 Práctica de exercicios: Proba de avaliación continua que se realizará en as clases de prácticas.	40	B8 B9	C15 C17	D1 D2 D7 D8 D9 D18

### Other comments on the Evaluation

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**Sources of information**

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**Basic Bibliography**

Chase, R.B y Davis, M.M., **Administración de Operaciones. Producción y cadena de suministros**, McGraw-Hill, 2014

Chase, R.B y Davis, M.M., **Administración de Operaciones. Producción y cadena de suministros**, McGraw-Hill, 2014

Krajewski, Ritzman y Malhotra, **Administración de Operaciones. Procesos y cadena de suministro**, Pearson, 2013

**Complementary Bibliography**

Heizer, J. y Render, B., **Dirección de la Producción y de Operaciones. Decisiones Estratégicas y Tácticas**, Pearson, 2015

Larrañeta, J.C., Onieva, L. y Lozano, S., **Métodos Modernos de gestión de la Producción**, Alianza Editorial, 1995

Schroeder, R.G., **Administración de Operaciones**, McGraw-Hill, 2011

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**Recommendations**

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