



IDENTIFYING DATA

Operations management

Subject	Operations management			
Code	O04G020V01302			
Study programme	(*)Grao en Administración e Dirección de Empresas			
Descriptors	ECTS Credits	Choose	Year	Quadmester
	9	Mandatory	2nd	1st
Teaching language	Spanish Galician English			
Department				
Coordinator	Rodríguez López, Nuria			
Lecturers	González Cortes, Rafael Rodríguez López, Nuria			
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Web				
General description	This subject develops the contents, methods and tools associated with operations strategy. It studies in deep the topics related to the selection and design of the product, the method and place of production, the necessary resources and their organisation, and any other necessary aspects so that the company can carry out the productive process for which was created.			

Competencies

Code	
B1	Ability to analyse and synthesise
B2	Critical and self-critical thinking
B10	Issue assessment reports on specific situations regarding companies and markets
B11	Design global management projects or projects related to the functional areas within a company
B13	Capacity for learning and independent work
B14	Capacity to apply the theoretical and practical knowledge acquired in a specialised academic context
C6	Acquire and understand knowledge regarding: The different processes, procedures and practices related to business management
C12	Solve problems effectively and make decisions using the appropriate quantitative and qualitative methods, including the identification, expression and solution of business problems
D5	Motivation for quality and continuous improvement

Learning outcomes

Expected results from this subject	Training and Learning Results	
Showing the knowledge of procedures and techniques of operations management.	B1 B10 B11	C6
Using research, selection and interpretation tools of the relevant information in the production area.	B1 B2 B10 B11 B13 B14	C6

Setting goals, develop strategies and action plans specific to production activities and consistent with their environment.	B1 B2 B10 B11 B13 B14	C6	D5
Managing knowledge, processes and characteristics of the leadership and management of production activities in the various companies, assuming the effects of his/her practice and the consequences of his/her action in any context of intervention reflecting on his/her own positioning.	B1 B2 B10 B11 B13 B14	C6 C12	D5
Making decisions in finding solutions to problems relating to the status of the production area of the company and to issue the corresponding reports.	B1 B2 B10 B11 B13 B14	C6 C12	D5

Contents

Topic	
MODULE 1: THE COMPANY AND OPERATIONS SYSTEM.	SUBJECT 1. The Operations System, Operations Strategy and Outcomes
MODULE 2: DESIGN OF OPERATIONS SYSTEM.	SUBJECT 2. Selection and Design of the Product and of the Production Process SUBJECT 3. Strategic decisions about Capacity SUBJECT 4. Decisions about Location SUBJECT 5. Layout
MODULE 3: SUPPLY-CHAIN MANAGEMENT.	SUBJECT 6. Supply chain SUBJECT 7. Inventory Management
MODULE 4: PRODUCTION PLANNING.	SUBJECT 8. Project Management SUBJECT 9. Planning, Scheduling and Control of the Production SUBJECT 10. Lean Manufacturing

Planning

	Class hours	Hours outside the classroom	Total hours
Master Session	37.5	40	77.5
Case studies / analysis of situations	30	75	105
Group tutoring	7.5	0	7.5
Other	3	32	35

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

Methodologies

	Description
Master Session	Presentation by the professor of the subject contents, theoretical bases and/or guidelines of an assignment to be developed by the student.
Case studies / analysis of situations	The student, either individual or in a group, prepares document on a topic, or prepares seminars, experiments, reports, essays, summaries of lectures, conferences, etc. This demands a large amount of self-study and application to undertake and record the necessary research.
Group tutoring	Meetings that the student keeps with the professor of the subject for the activities development and supervision.

Personalized attention

Methodologies	Description
Case studies / analysis of situations	Time reserved to guide, monitor, address and resolve questions of students in their process of acquiring skills in general, and in carrying of proposed activities, particularly.
Group tutoring	Time reserved to guide, monitor, address and resolve questions of students in their process of acquiring skills in general, and in carrying of proposed activities, particularly.

Assessment

Description	Qualification	Training and Learning Results

Case studies / analysis of situations	Tests in which the student has to solve a series of cases, problems and exercises within a time and under conditions established by the professor. In this way, the student has to apply the knowledge acquired. A demonstration of competences acquired in each activity will be carried out presencially during the lective period.	40	B1 B2 B10 B11 B13 B14	C6 C12	D5
Group tutoring	Meetings that the student keeps with the professor of the subject for the activities development and supervision.	10	B1 B2 B10 B11 B13 B14	C6 C12	D5
Other	Tests in which the student shows the acquisition of competence in the subject.	50	B1 B2 B10 B11 B13 B14	C6 C12	D5

Other comments on the Evaluation

The previously mentioned tests are the system of continuous evaluation. Students must complete all the compulsory exercises and activities to be evaluated for this instead of a final exam. In order to pass, the student must achieve at least 50% of the value assigned to these tests.

The mark for tutored assignments is either first or second call.

Students who aren't assessed by continuous evaluation, take a complete exam of all the course material, which is worth 100% of the mark.

The dates and time of the test of evaluation of the convening of assessment are the specified in the calendar of exams of assessment approved by the Junta the Centro for the present academic course (<http://fcetou.uvigo.es/index.php/en/exams>)

Inappropriate behaviour, contrary and damaging to the conviviality, can be sanctioned with the loss of the right to the continuous assessment by part of the student responsible.

Work showing evidence of copying or plagiarism will suppose a fail assessment in all the calls of the academic course.

Sources of information

Basic Bibliography

Domínguez Machuca, J.A. y otros, **Dirección de operaciones. Aspectos tácticos y operativos en la producción y los servicios.**, 1ª, McGraw-Hill, 1995

Domínguez Machuca, J.A. y otros, **Dirección de operaciones. Aspectos estratégicos en la producción y los servicios.**, 1ª, McGraw-Hill, 1995

Heizer, J.; Render, B., **Dirección de la Producción y de Operaciones. Decisiones Tácticas.**, 11ª, Pearson Educación, 2015

Heizer, J.; Render, B., **Dirección de la Producción y de Operaciones. Decisiones Estratégicas.**, 11ª, Pearson Educación, 2015

Heizer, J.; Render, B., **Operations Management. Sustainability and Supply Chain Management. Global Edition.**, 11th, Pearson Education, 2014

Heizer, J.; Render, B., **Principles of Operations Management.**, 9th, Pearson Education, 2014

Krajewski, L.J.; Ritzman, L.P.; Malhotra, M.A., **Administración de Operaciones. Procesos y Cadena de Suministros.**, 10ª, Addison Wesley, 2013

Miranda, F.J. y otros, **Manual de Dirección de Operaciones.**, 1ª, Thomson, 2005

Complementary Bibliography

Recommendations

Subjects that it is recommended to have taken before

Company: Basics of management/O04G020V01102

Company: Company management/O04G020V01203

Other comments

This guide aims to anticipate the learning path of the student, and is conceived in a flexible manner.

Therefore, it may require adjustments during the course, according the dynamics of the class or any situations which may arise.

Similarly, it will contribute information and specific guidelines necessary throughout the learning process.
