



Teaching Guide

Teaching Guide				
Identifying Data				2019/20
Subject (*)	Fashion Supply Chain Management II: Operations Management		Code	710G03017
Study programme	Grao en Xestión Industrial da Moda			
Descriptors				
Cycle	Period	Year	Type	Credits
Graduate	2nd four-month period	Second	Obligatory	6
Language	English			
Teaching method	Face-to-face			
Prerequisites				
Department	Empresa			
Coordinador	Rey Ares, Lucía	E-mail	lucia.rey.ares@udc.es	
Lecturers	Crespo Pereira, Diego	E-mail	diego.crespo@udc.es	
	Rey Ares, Lucía		lucia.rey.ares@udc.es	
Web				
General description				

Study programme competences

Code	Study programme competences
A3	Desarrollar destrezas para las relaciones interpersonales y la interacción con agentes del entorno e interno (clientes, proveedores, medios, colaboradores, ...)
A9	Dominar el proceso logístico de una empresa de moda desde una perspectiva global, abarcando desde el aprovisionamiento hasta el proceso productivo y el transporte, con especial incidencia en los procesos principales propios de la industria textil: selección de tejidos y materiales, patronaje, confección, etc, ...
A13	Conocer el impacto de la tecnología en los distintos procesos de la industria textil.
B1	Que los estudiantes hayan demostrado poseer y comprender conocimientos en un área de estudio que parte de la base de la educación secundaria general, y se suele encontrar a un nivel que, si bien se apoya en libros de texto avanzados, incluye también algunos aspectos que implican conocimientos procedentes de la vanguardia de su campo de estudio
B2	Que los estudiantes sepan aplicar sus conocimientos a su trabajo o vocación de una forma profesional y posean las competencias que suelen demostrarse por medio de la elaboración y defensa de argumentos y la resolución de problemas dentro de su área de estudio
B3	Que los estudiantes tengan la capacidad de reunir e interpretar datos relevantes (normalmente dentro de su área de estudio) para emitir juicios que incluyan una reflexión sobre temas relevantes de índole social, científica o ética
B4	Que los estudiantes puedan transmitir información, ideas, problemas y soluciones a un público tanto especializado como no especializado
B5	Que los estudiantes hayan desarrollado aquellas habilidades de aprendizaje necesarias para emprender estudios posteriores con un alto grado de autonomía
B8	Capacidad de planificación, organización y gestión de recursos y operaciones
B9	Capacidad de análisis, diagnóstico y toma de decisiones
C2	Dominar la expresión y la comprensión de forma oral y escrita de un idioma extranjero
C3	Utilizar las herramientas básicas de las tecnologías de la información y las comunicaciones (TIC) necesarias para el ejercicio de su profesión y para el aprendizaje a lo largo de su vida
C7	Desarrollar la capacidad de trabajar en equipos interdisciplinarios o transdisciplinarios, para ofrecer propuestas que contribuyan a un desarrollo sostenible ambiental, económico, político y social
C8	Valorar la importancia que tiene la investigación, la innovación y el desarrollo tecnológico en el avance socioeconómico y cultural de la sociedad
C9	Tener la capacidad de gestionar tiempos y recursos: desarrollar planes, priorizar actividades, identificar las críticas, establecer plazos y cumplirlos.

Learning outcomes



Learning outcomes	Study programme competences		
To know the basic concepts of operations management	A3 A9 A13	B1 B2 B3 B4 B5 B8 B9	C2 C7 C8
To know how to solve problems related to operations management	A9 A13	B1 B2 B3 B4 B8 B9	C3 C7 C9
To become familiar with the technologies used in the operations management area	A3 A9 A13	B2 B3 B8 B9	C2 C3 C8 C9

Contents	
Topic	Sub-topic
Process design and capacity planning.	Introduction to operations strategy. Productivity. Capacity and utilization. Long term capacity planning. Queuing models.
Quantitative methods for operations management.	Linear optimization. Non linear problems. Solver. Metaheuristics. Modelling and simulation.
Inventory management.	Basic concepts. Types. ABC classification.
Inventory costs.	Carrying costs. Ordering costs. Opportunity costs.
Inventory models.	Methods based on the Economic Quantity Order. Safety stocks. Continuous and periodic review policies. Methods based on the Newsvendor model.
Project management.	Tasks. Resources. Costs.
Schedulling.	Single server schedulling. Parallel servers. Flow line schedulling. Priorities.
Quality Management.	ISO 9001. Six sigma methodology.
Lean Enterprise.	Just in Time. Lean manufacturing. Types of waste. Methods to avoid waste. 5S methodology.

Planning				
Methodologies / tests	Competencies	Ordinary class hours	Student?s personal work hours	Total hours
Supervised projects	A9 B2 B3 B4 B8 B9 C2 C7 C9	1.5	15	16.5
ICT practicals	A13 A9 B1 B3 B4 B8 B9 C3 C8 C9	15	20.5	35.5
Case study	A9 A3 B2 B3 B4 B8 B9 C2 C7 C8	3	12	15
Practical test:	A9 B1 B2 B3 B4 B5 B8 B9	0	15	15
Mixed objective/subjective test	A3 A9 A13 B1 B2 B3 B5 B9 C2 C9	0	15	15



Seminar	A3 A9 A13 B3 B4 B9 C8	3	1	4
Problem solving	A9 B3 B4 B8 B9 C3 C7 C9	5	10	15
Guest lecture / keynote speech	A13 A9 B2 B1 C8 C3	21	10	31
Personalized attention		3	0	3

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

Methodologies	
Methodologies	Description
Supervised projects	Project to be done in groups as proposed by the teachers
ICT practicals	Solving practical problems with a computer
Case study	Cases proposed by the teachers to be solved in group or individually
Practical test:	Exam on the practical content of the subject taken by computer
Mixed objective/subjective test	Exam on the contents of the subject
Seminar	Seminar on one of the topics of this subject
Problem solving	Solving practical problems
Guest lecture / keynote speech	Lectures on the content of this subject

Personalized attention	
Methodologies	Description
Supervised projects	During tutorial time, students can meet the teachers to clarify the doubts of the subject, as well as the ones concerning the supervised projects

Assessment			
Methodologies	Competencies	Description	Qualification
Guest lecture / keynote speech	A13 A9 B2 B1 C8 C3	Attendance and active participation in the classes and seminars	5
Supervised projects	A9 B2 B3 B4 B8 B9 C2 C7 C9	Assesment of the team project proposed by the teachers	20
Case study	A9 A3 B2 B3 B4 B8 B9 C2 C7 C8	Assesment of the individual or in-group case studies proposed by the teachers	10
Practical test:	A9 B1 B2 B3 B4 B5 B8 B9	Exam on the practical contents of the subject	35
Mixed objective/subjective test	A3 A9 A13 B1 B2 B3 B5 B9 C2 C9	Exam on the theoretical contents of the subject	30

Assessment comments



In order to pass the subject it will be necessary to obtain a minimum score of 3 points out of 10 in the mixed and practical tests. If this requirement is not met, the maximum score will not exceed 4 points, even if the average of the different activities gives a higher score.

The "Students with recognition of part-time dedication and academic exemption waiver" will communicate their situation to the teaching staff of the subject at the beginning of the course, according to the "Norm that regulates the regime of dedication to the study of the students of degree in the UDC" (Art.3.be 4.5) and the "Standards of evaluation, review and claim of the qualifications of the studies of degree and master's degree" (Art. 3 and 8b). In this case, attendance to the classes will not be a requirement, but these students must submit the cases and exercises done in the classroom and their qualification will be the same as the rest of the students.

The aforementioned evaluation criteria will apply to both the first and the second opportunity.

The grade of 'Not present' will only be given to students who only participated in course activities worth under 20% of the final grade.

The grade obtained by students who pass a portion of the course with a mixed exam (partial exam), will be valid only for the ongoing academic year. If a student in such situation fails to pass the complete course in either the first opportunity or the second opportunity, his/her final grade will be 'Fail', implying that he/she will have to re-take the whole course during incoming academic years.

Students wishing to improve their final test exam grade will be able to do so only after applying to the professors and securing their authorization.

Students taking the anticipated December opportunity will be subject to the same criteria as those applying to second opportunity.

It is forbidden to access the classroom with any device allowing for data transmission and/or warehousing when any of the evaluations is taking place.

Sources of information

Basic	- Collier, D.A., Evans, J.R. (2017). OM: Operations and supply chain management. Boston: Centage Learning - Heizer, J., Render, B. (2013). Operations Management. Pearson - Slack, Nigel; Chambers, Stuart; Johnston, Robert (2007). Operations Management. Pearson - Verma, Boyer (2010). Operations & Supply Chain Management. World class theory and practice.. Pearson - Londrigan, Michael P. (2018). Fashion supply chain management. Bloomsbury Publishing Inc O profesorado da materia proporcionará bibliografía específica para cada un dos temas.
Complementary	- Heizer, J., Render, B. (2015). Dirección de la producción y de operaciones. Decisiones estratégicas. Prentice Hall - Alessandra Vecchi (2017). Advanced Fashion Technology and Operations Management. Business Science Reference

Recommendations

Subjects that it is recommended to have taken before

Fashion Supply Chain Management I: Procurement/710G03005

Subjects that are recommended to be taken simultaneously

Subjects that continue the syllabus

Fashion Supply Chain Management III: Logistics and Transportation/710G03019

Other comments

In order to help in the achievement of a sustained immediate environment and meet the objective of action number 5: "Healthy and sustainable environmental and social teaching and research" of the "Green Campus Ferrol Action Plan", it will be encouraged, as far as possible, that the delivery of the documentary works in this subject was done in a virtual format and/or computer support, through Moodle and without the need to print them. If paper delivery is necessary, the following guidelines will be followed: Plastics will not be used Double-sided prints will be made Recycled paper will be used The printing of drafts will be avoided

(*)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.