



Teaching Guide

Teaching Guide				
Identifying Data				2018/19
Subject (*)	Fashion Supply Chain Management I: Procurement		Code	710G03005
Study programme	Grao en Xestión Industrial da Moda			
Descriptors				
Cycle	Period	Year	Type	Credits
Graduate	Yearly	First	Obligatory	9
Language	English			
Teaching method	Face-to-face			
Prerequisites				
Department				
Coordinador	Crespo Pereira, Diego	E-mail	diego.crespo@udc.es	
Lecturers	Crespo Pereira, Diego	E-mail	diego.crespo@udc.es	
Web	http://www.gii.udc.es/			
General description	Supply chain management refers to the design and management of the processes within a single organization and across multiple organizations that effectively produce, transform, and deliver a product or service in the conditions of place, time, quality and cost demanded by the customer. This course introduces the basic theoretical concepts and practical methodologies that allow solving problems in the fashion products supply chain management.			

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
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 Supply Chain Management.	A3 A9	B1 B2 B3 B4 B5 B8 B9	C3 C7 C8 C9
To know the fashion products supply chain.	A9	B1 B2 B3 B4 B5 B8 B9	C3 C7 C8 C9
To solve practical problems in Supply Chain Management.	A3 A9 A13	B1 B2 B3 B4 B5 B8 B9	C3 C7 C8 C9

Contents	
Topic	Sub-topic
1. Supply Chain Management.	Introduction: Operations, Supply Chain and Logistics. The Supply Chain Strategy. Supply Chain Design. Metrics and Key Performance Indicators.
2. Fashion Supply Chain.	Materials. Production Processes. The global Fashion Supply Chains.
3. Forecasting and Demand Planning.	Basic concepts. Long term versus short term forecasts. Trend and seasonality. New products demand forecasting. Fashion products forecasting.
9. Distribution.	The distribution network. Transport. Logistic costs. Metrics and Key Performance Indicators.
4. Production Planning	"Make to Stock" and "Make to Order". Levels of planning. Aggregate planning. Master Production Schedule. Seasons and Fashion Production Planning.
5. Introduction to Inventory Management	Introduction to Inventory costs. Types of stocks.



6. Material Requirements Planning.	The MRP methodology. Production and Purchase orders. Lot sizing. ERP.
7. Procurement.	Sourcing. Providers selection. Procurement methods. Procurement processes. Economic Order Quantity. Supply contracts. Metrics and Key Performance Indicators.
8. Material Handling and Storage.	Tags and product identification. Traceability. Warehouses. Storage systems. Loading and unloading systems. Internal transport systems for apparel and textile products. Sorters. Packing. Industry 4.0 Technologies.

Planning				
Methodologies / tests	Competencies	Ordinary class hours	Student?s personal work hours	Total hours
Problem solving	A3 A9 A13 B1 B2 B3 B5 B8 B9 C8 C9	7.5	12.5	20
ICT practicals	A9 A13 B1 B2 B3 B5 B8 B9 C3 C8 C9	20	40	60
Supervised projects	A3 A9 A13 B1 B2 B3 B4 B5 B8 B9 C3 C7 C8 C9	1	49	50
Mixed objective/subjective test	A3 A9 A13 B1 B2 B3 B4 B5 B8 B9 C3 C8 C9	0	30.5	30.5
Seminar	A3 A9 A13 B1 B2 B3 B4 B5 B8 B9 C3 C7 C8 C9	3	0	3
Case study	A3 A9 A13 B1 B2 B3 B4 B5 B8 B9 C3 C7 C8 C9	0	30	30
Guest lecture / keynote speech	A3 A9 A13 B1 B2 B3 B5 B8 B9 C3 C8 C9	31.5	0	31.5
Personalized attention		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
Problem solving	Solving practical problems.
ICT practicals	Solving practical problems with a computer.
Supervised projects	Project to be done in groups as proposed by the teacher.



Mixed objective/subjective test	Mid term exam and final exam of this subject.
Seminar	Seminar on one of the topics of this subject.
Case study	Cases proposed by the teachers to be solved in group or individually.
Guest lecture / keynote speech	Lectures on the content of this subject.

Personalized attention	
Methodologies	Description
Supervised projects Mixed objective/subjective test Case study Guest lecture / keynote speech Problem solving ICT practicals	Personalized attention to students for solving doubts and problems found during the course.

Assessment			
Methodologies	Competencies	Description	Qualification
Supervised projects	A3 A9 A13 B1 B2 B3 B4 B5 B8 B9 C3 C7 C8 C9	Assesment of the project made in groups.	25
Mixed objective/subjective test	A3 A9 A13 B1 B2 B3 B4 B5 B8 B9 C3 C8 C9	Assesment of a midterm exam (10%), two practical exams (20%) and a final exam (20%).	50
Seminar	A3 A9 A13 B1 B2 B3 B4 B5 B8 B9 C3 C7 C8 C9	Assistance to the subject's seminar.	3
Case study	A3 A9 A13 B1 B2 B3 B4 B5 B8 B9 C3 C7 C8 C9	Assesment of the case studies proposed by the teacher.	15
Problem solving	A3 A9 A13 B1 B2 B3 B5 B8 B9 C8 C9	Assesment of the problems solved in the classes.	2
ICT practicals	A9 A13 B1 B2 B3 B5 B8 B9 C3 C8 C9	Assesment of the practical problems solved in the classes.	5

Assessment comments
A minimum score of 3 out of 10 will be required in the "Mixed objective/subjective test" to pass the subject. If this minimum score is not achieved, the students score will not be higher than 4 out of 10 even if his average is higher. The "students with recognition of a part-time academic and exemption of assistance" will communicate at the beginning of the course your situation to the teachers of the subject, as established by the "Standard that regulates the dedication to the study of undergraduates in the UDC "(Art.3.be 4.5) and the" Standards for evaluation, review and claim of the qualifications of undergraduate and master's degree (Art. 3 and 8b). Students in this situation will be assessed as the rest of the students, but they will not need to attend to the classes. They will have to submit all the cases and exercises solved in the classes.

Sources of information



Basic	- Robert M. Monczka, Robert B. Handfield, (2015). Purchasing and Supply Chain Management. South-WEstern CENGAGE Learning - Ronald H. Ballou (2004). Business Logistics Management. Pearson - Rohit Verma, Kenneth K. Boyer (2010). Operations & Supply Chain Management. World class theory and practice.. South-WEstern CENGAGE Learning - Collier, Evans (2011). Operations Management. South-WEstern CENGAGE Learning - Rajkishore Nayak and Rajiv Padhye (2015). Garment Manufacturing Technology. Woodhead Publishing - Bureau veritas formación (2011). Logística Integral. FC EDITORIAL
Complementary	- Sridhar Tayur, Ram Ganeshan & Michael Magazine (1999). Quantitative Models for Supply Chain Management. Kluwer Academic Publishers

Recommendations

Subjects that it is recommended to have taken before

Subjects that are recommended to be taken simultaneously

Subjects that continue the syllabus

Other comments

All the teaching resources and planning of this subject will be available through the Moodle website.

(*)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.