UNIVERSIDADE DA CORUÑA

Teaching Guide				
Identifying Data				2023/24
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	Empresa			
Coordinador	Pernas Álvarez, Javier		E-mail	javier.pernas2@udc.es
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Web				
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 requested by the customers. This course introduces the basic theoretical concepts and practical methodologies that alllow solving problems in the fashion supply chain management.			

Study programme competences / results	
Code	**Study programme competences / results**
A3	To develop competencies for interpersonal relations and interaction with external and internal stakeholders (customers, suppliers, media, partners?)
A9	To master the logistics process of a fashion firm from a global perspective, from procurement to manufacturing and transportation, with a special focus on the typical textile industry processes: selection of materials and fabrics, patternmaking, manufacturing, etc, ?
A13	To know the impact of technology on the different processes of the textile industry
B1	That students demonstrate that they acquired and understood knowledge in a study area that originates from general secondary education and that can be found at a level that, though usually supported by advanced textbooks, also includes aspects implying knowledge from the avantgarde of its field of study
B2	That students know how to apply their knowledge to their job or vocation in a professional form, and have the competencies that are usually demonstrated through elaboration and advocacy of arguments and problem resolution within their field of study
B3	That students have the capacity to collect and interpret relevant data (normally within their field of study) in order to issue judgements that include a reflection upon relevant topics in the social, scientific or ethical realm
B4	That students may convey information, ideas, problems and solution to the public, both specialized and not
B5	That students develop those learning skills that are needed to undertake ulterior studies with a high degree of autonomy
B8	Capacity to plan, organize and manage resources and operations
B9	Capacity to analyse, diagnose and take decisions
C2	Mastering oral and written expression in a foreign language.
C3	Using ICT in working contexts and lifelong learning.
C7	Developing the ability to work in interdisciplinary or transdisciplinary teams in order to offer proposals that can contribute to a sustainable environmental, economic, political and social development.
C8	Valuing the importance of research, innovation and technological development for the socioeconomic and cultural progress of society.
C9	Ability to manage times and resources: developing plans, prioritizing activities, identifying critical points, establishing goals and accomplishing them.

Learning outcomes

Learning outcomes	Study programme competences / results		
To know the basic concepts of supply chain management.	A3 A9	B1 B2 B3 B4 B5 B8 B9	C2 C3 C7 C8 C9
To know the fashion products' supply chain.	A9	B1 B2 B3 B4 B5 B8 B9	C2 C3 C7 C8 C9
To solve practical problems regarding supply chain management.	A3 A9 A13	B1 B2 B3 B4 B5 B8 B9	C2 C3 C7 C8 C9

Contents	
Topic	Sub-topic
The Fashion Supply Chain	Fashion Supply Chains
	Raw materials
	Fashion products development
	Manufacturing processes
	Technologies
Supply chain management	Introduction: operations, supply chain and logistics
	Supply chain strategy
	Supply chain design
	Metrics and key performance indicators
Procurement	Sourcing
	Providers selection
	Procurement methods
	Procurement processes
	Supply contracts
	Metrics and Key Performance Indicators
Forecasting and Demand Planning	Basic concepts
	Long-term versus short-term forecasts
	Trend and seasonality
	New products demand forecasting
	Fashion products forecasting

Purchase orders	Economic Order Quantity
	The newsvendor model applied to fashion products
	Metrics and Key Performance Indicators
	Supply chain coordination
	The bullwhip effect
Material Requirements Planning	Levels of planning
	Master production schedule
	Bill of materials
	The MRP methodology
	Lot sizing
	ERP
Distribution	Distribution networks
	Transport
	Logistic costs
	Metrics and Key Performance Indicators
Material Handling and Storage	Warehouses and storage systems
	Handling equipment
	Internal transport systems for apparel and textile products
	Sorters

Planning				
Methodologies / tests	Competencies / Results	Teaching hours (in-person & virtual)	Student?s personal work hours	Total hours
Problem solving	A3 A9 A13 B1 B2 B3 B5 B8 B9 C2 C8 C9	5	12.5	17.5
ICT practicals	A9 A13 B1 B2 B3 B5 B8 B9 C3 C8 C9	16.5	36	52.5
Supervised projects	A3 A9 A13 B1 B2 B3 B4 B5 B8 B9 C2 C3 C7 C8 C9	1	37	38
Mixed objective/subjective test	A3 A9 A13 B1 B2 B3 B4 B5 B8 B9 C2 C3 C8 C9	1	20	21
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 C2 C3 C7 C8 C9	3	10	13
Directed discussion	B1 B2 B3 B4 B9 C2	2	4	6
Online forum	B2 B4 B5 C2	0	5	5
Oral presentation	B2 B3 B4 B8 B9 C2 C3 C9	1.5	4	5.5
Workbook	B1 B3 B5 B9 C8 C9	0	12	12
Guest lecture / keynote speech	A3 A9 A13 B1 B2 B3 B5 B8 B9 C3 C8 C9	31.5	15	46.5
Personalized attention		5	0	5
(*)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	Resolution of problems of a theoretical and practical nature.
ICT practicals	Solving practical problems with a computer.
Supervised projects	Conducting a group project and doing a final presentation of it. The content and characteristics of this project will be detailed at the end of the first semester.
Mixed objective/subjective test	Mid-term exam and final exam, which will combine different kind of questions (i.e. short or long-answers questions, practical exercises, objective test questions...).
Seminar	Seminars with experienced professionals, whenever possible.
Case study	Resolution, individually or in group, of the proposed cases. These cases will be detailed along the course, according to the workplan.
Directed discussion	Through this dynamic different topics will be addressed, aimed at making the students think about different issues of the course and adopt a critical position.
Online forum	There will be two online forums; namely: - Online discussion forum: a channel that students can use to propose debates or contribute to them. - Online learning forum: a channel that students can use as a space for exchanging and reflecting about their learning and for proposing new activities.
Oral presentation	Oral presentation, individually or in groups, of the activities done in the classroom or the case studies that must be submitted.
Workbook	Readings on different topics aimed at addressing or deepening on the issues studied in the classroom.
Guest lecture / keynote speech	Presentation of the contents that are part of the theoretical framework of the subject through oral presentations, guided by the use of presentation files, audiovisual media and the introduction of questions addressed to students in order to favor learning and the construction of knowledge.

Personalized attention	
Methodologies	**Description**
Supervised projects Mixed objective/subjective test Case study Problem solving ICT practicals	The personalized attention described will be developed mainly around the supervised project, and it is conceived as personal work time with the instructors of the course for the attention and follow-up of the project carried out by each of the working groups. The attendance of the students to these meetings is recommended. The specific form and times in which they will take place will be communicated throughout the course according to the work plan of the course, considering that the first meeting with the working groups will probably take place at the beginning of the second semester. However, during the course the students can use the tutorial time to clarify doubts and questions about the course. The students with recognition of part-time dedication, according to the "Norm that regulates the regime of dedication to the study of the students of Degree in the UDC" (Arts. 3.b and 4.5) will carry out their activities with the attendance and participation in the dynamics that are included in the sections of "Planning" and "Personalized attention", through the work groups that will be assigned. The activity will be carried out according to the observations of assessment on the flexibility of attendance-participation and the requirements to pass the course.

Assessment			
Methodologies	**Competencies / Results**	**Description**	**Qualification**
Supervised projects	A3 A9 A13 B1 B2 B3 B4 B5 B8 B9 C2 C3 C7 C8 C9	Assessment of the written report and the oral presentation of the proposed group project. This assessment will be carried out according to criteria such as mastery of specific content, written expression and formal presentation, information management, presentation...	20

Mixed objective/subjective test	A3 A9 A13 B1 B2 B3 B4 B5 B8 B9 C2 C3 C8 C9	A mid-term exam (15%) and a final exam (15%) on the contents of the course. The partial exam is not compulsory, so the students who decide not to attend it, they will have to attend the final exam, that will have a weight of 30% in the final grade of the course. Same criteria is valid for those students who fail the partial exam.	30
Case study	A3 A9 A13 B1 B2 B3 B4 B5 B8 B9 C2 C3 C7 C8 C9	Assesment of the case studies proposed by the instructor.	10
Guest lecture / keynote speech	A3 A9 A13 B1 B2 B3 B5 B8 B9 C3 C8 C9	Attendance and active participation in the guest lectures and in the activities carried out in the interactive sessions will be considered (e.g. participation in debates or directed discussions in the classroom, resolution of activities, answer to questions formulated...). Short questionnaires might also be carried out, without prior notice, on the contents seen at the end of any of some of the guest lectures.	10
ICT practicals	A9 A13 B1 B2 B3 B5 B8 B9 C3 C8 C9	The ICT practicals is based on a mid-term ICT test (15%) and a final ICT test (15%) that will cover different aspects of the ICT practicals conducted in the classroom. The mid-term ICT test is not compulsory, so the students who decide not to attend it will have to attend the final ICT test, that will have a weight of 30% in the final grade of the course. Same criteria is valid for those students who fail the mid-term ICT test.	30

Assessment comments

Assessment criteria

Second opportunity

In
order to pass this course, both in the first and the second
opportunity, it will be necessary to obtain a minimum score of 4 points
out of 10 in the mixed objective/subjective test, the ICT practicals,
and the supervised project. If this requirement is not met, the final
qualification will be "Fail", even when the average of all the
activities that are part of the assessment will give a grade equal to or
greater than 5 points out of 10.

In methodologies where a distinction is made between midterm and final
practical/exams, if a student passes the first-term practical/exam but
fails (with a grade below 4 out of 10) the second-term practical/exam,
they will only need to retake the second-term practical/exam in the second
opportunity, and the grade from the first-term practical/exam will be
retained.

If a student who has released
or passed a part of the course (e.g., mid-term exam) does not manage to
pass the course as a whole on the official dates of the exams of the
first and second opportunity, his/her final grade will be "Fail". In the
following academic year, these students might keep the grade of those
tests that they have passed (as long as the grade obtained was equal to
or greater than 5 points out of 10), if they wish, and as long as they
inform the instructors of the course of their decision in the first two
weeks of classes. This condition will only apply in the following
academic year; from there onwards, the grades will not be kept.

Early December call

If
there are students who want to take the early December call (Art. 19
"Standards for evaluation, review and claim of qualifications for
undergraduate and master's degree studies"), given that this course is
annual, those students will only have to take the mixed
objective/subjective test (40% of the grade), the ICT practicas (40% of
the grade) and the supervised project (20% of the grade). The supervised
project must be done individually.

In order to pass the course, a
final grade equal to or greater than 5 points out of 10 must be
obtained, as long as the students have obtained a score equal to or
greater than 4 points out of 10 in each of the methodologies subjected
to assessment.

No grade

The
students who do not attend the final exam that will take place on the
date established in the faculty's official exam calendar will be graded
as "No presentado" (i.e., no grade). This criterion will apply both in
the first and in the second assessment opportunity, as well as in the
early December call.

Students with recognition of part-time dedication and academic exemption waiver

The
students with recognition of part-time dedication and academic

exemption waiver must inform the instructors of the course at the

beginning of the academic year, in order to establish a plan and

calendar of activities. The assessment system will be the following

one: mixed objective/subjective test (40%), ICT practicals (40%) and supervised projects (20%). The supervised project

must be done in group.

Additional information

According to Article 11, section 4 b) of the "Reglamento disciplinar del estudiantado de la UDC", engaging in fraudulent behavior in any of the

methodologies subject to assessment sections will result in a grade of "Fail (0)" for the final evaluation, both in the first and second opportunity,

regardless of the opportunity in which the offense was committed.It is forbidden to access the examination room with any device allowing for data

transmission and/or warehousing (e.g., mobile phones, smart watches...) when any of the assessment test is taking place.

Sources of information	
Basic	- Monczka, R.M., Handfield, R.B. (2015). Purchasing and Supply Chain Management. South-Western CENGAGE Learning - Ballou, R.H. (2004). Business Logistics Management. Pearson - Verma, R., Boyer, K.K. (2010). Operations & Supply Chain Management. World class theory and practice.. South-Western CENGAGE Learning - Collier, D.A., Evans, J.R. (2011). Operations Management. South-Western CENGAGE Learning - Nayak, R., Padhye, R. (2015). Garment Manufacturing Technology. Woodhead Publishing - Londrigan, M.P. (2018). Fashion Supply Chain Management. Bloomsbury Publishing Inc - Bureau veritas formación (2011). Logística Integral. FC EDITORIAL - Quayle, M. (2006). Purchasing and Supply Chain Management: Strategies and Realities. Hershey: IGI Global [Base de datos EBSCO] O profesorado da materia poderá proporcionar bibliografía adicional en cada un dos temas.
Complementary	- Sridhar Tayur, Ram Ganeshan & Michael Magazine (1999). Quantitative Models for Supply Chain Management. Kluwer Academic Publishers - Fashionary (2021). Textilepedia. The complete fabric guide. Fashionary

Recommendations	
Subjects that it is recommended to have taken before	
Subjects that are recommended to be taken simultaneously	
Introduction to Fashion Business Management/710G03004	
Subjects that continue the syllabus	
Managing Industrial Innovation in Fashion/710G03029	
Fashion Supply Chain Management II: Operations Management/710G03017	
Sustainable Management of the Fashion Value Chain/710G03018	
Fashion Supply Chain Management III: Logistics and Transportation/710G03019	
Fundamentals of Mathematics and Data Analysis Tools/710G03014	
Other comments	

It is recommended the revision and monitoring of the course through the virtual campus, where the materials used in class will uploaded and the activities to be carried out will be reported.In view of the possibility of not being able to use the computer labs during the interactive sessions, the students must bring their laptops or electronic tablets when attending these classes, so as to be able to carry out the planned activities. Students must install the Office 365 package -if they do not have it, the university allows its free installation- because during the interactive sessions the Microsoft Excel spreadsheet software will be used.The documents of the course will be delivered through the virtual classroom, in digital format; in case this is not possible, it is recommended to use recycled paper, double-sided documents, and to avoid the use of plastic materials.According to the different regulations applicable to university teaching, the gender perspective must be incorporated into this course (non-sexist language will be used, bibliography of authors of both sexes will be used...). Efforts will be made to identify and modify sexist prejudices and attitudes, and the environment will be influenced in order to modify them and promote values of respect and equality. The full integration of students who, for physical, sensory, mental or socio-cultural reasons, experience difficulties in gaining suitable, equal and beneficial access to university life will be encouraged.