



Teaching Guide

| Identifying Data | | | | | 2020/21 |
|----------------------------|---|---------------|--|----------------|---------|
| 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 | | | | |
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| Lecturers | Mato Santiso, Vanessa Rey Ares, Lucía | E-mail | vanessa.mato@udc.es lucia.rey.ares@udc.es | | |
| 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 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. | | | | |



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| Contingency plan | <p>1. Modifications to the contents</p> <ul style="list-style-type: none">- No modifications are made. <p>2. Methodologies</p> <p>*Teaching methodologies that are maintained</p> <ul style="list-style-type: none">- All those indicated in the teaching guide, that will be carried out in a non presential way through the tools available at the UDC. <p>*Teaching methodologies that are modified</p> <ul style="list-style-type: none">- No modifications are made. <p>3. Mechanisms for personalized attention to students</p> <ul style="list-style-type: none">- Email: channel that students can use to pose questions, request virtual tutoring aimed at solving doubts, and monitor supervised projects.- Moodle: this channel will be used to make the materials (i.e. presentations, case studies, exercises...) available to students on a weekly basis and to request the delivery of activities -according to the scheduled delivery schedule-. There will be a more general forum, which will be used as the main channel of communication between the instructors and the students. Besides, the students will have a more specific forum for posing their questions and doubts regarding the contents of the course. Students will be able to use this personalized attention mechanism daily, according to their needs.- Microsoft Teams: keynote speeches and interactive sessions will be take place through this platfrom every week aimed at developing the theoretical content and the planned activities; sessions that will be take place in the time slot assigned to the course in the intial calendar set by the Faculty. Follow-up and support will also be carried out through this channel, carrying out the "supervised work", as well as establishing tutoring on demand of the students.- Microsoft Stream: this tool will make available to the students, in the channel of the course, the videos of the keynote speeches and interactive sessions, for their asynchronous consultation; as well as the videos of the seminar held within the framework of the subject -if this is the case-. <p>4. Modifications in the evaluation</p> <ul style="list-style-type: none">- The methodologies indicated in the teaching guide are maintained (among them the mixed test, which would be carried out electronically), except for references to the calculation of attendance and active participation in classes, which will only be carried out with respect to those face-to-face sessions that took place before the classroom activity was suspended. If this is the case, the weight of the active participation in classes in the final grade (10%) would be added to the weight of the supervised project, which would have a weight of 30% in the final grade. <p>*Evaluation observations:</p> <ul style="list-style-type: none">- Those indicated in the teaching guide. <p>5. Modifications to the bibliography or webgraphy</p> <ul style="list-style-type: none">- No changes are made. The students will have the class materials (i.e. presentations, case studies and exercises) in digital form in Moodle. Likewise, the sources of information in the teaching guide already contain some resources that students can access for free from the network. |
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| Study programme competences | |
| Code | Study programme competences |



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|-----|--|
| 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 | | |
|---|-----------------------------|--|----------------------------|
| | A3 | B1 | C2 |
| To know the basic concepts of Supply Chain Management. | 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 in Supply Chain Management. | A3 A9 A13 | B1 B2 B3 B4 B5 B8 B9 | C2 C3 C7 C8 C9 |

Contents



| Topic | Sub-topic |
|----------------------------------|--|
| Supply Chain Management. | Introduction: Operations, Supply Chain and Logistics. The Supply Chain Strategy. Supply Chain Design. Metrics and Key Performance Indicators. |
| The Fashion Supply Chain. | The global Fashion Supply Chains. Raw materials. Fashion products development. Manufacturing processes. Technologies. |
| Forecasting and Demand Planning. | Basic concepts. Long term versus short term forecasts. Trend and seasonality. New products demand forecasting. Fashion products forecasting. |
| Procurement. | Sourcing. Providers selection. Procurement methods. Procurement processes. Supply contracts. Metrics and Key Performance Indicators. |
| 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 | Ordinary class hours | Student's personal work hours | Total hours |
| Problem solving | A3 A9 A13 B1 B2 B3 B5 B8 B9 C2 C8 C9 | 6.5 | 12.5 | 19 |
| ICT practicals | A9 A13 B1 B2 B3 B5 B8 B9 C3 C8 C9 | 16 | 36 | 52 |



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|---------------------------------|---|------|------|------|
| Supervised projects | A3 A9 A13 B1 B2 B3 B4 B5 B8 B9 C2 C3 C7 C8 C9 | 1 | 49 | 50 |
| Mixed objective/subjective test | A3 A9 A13 B1 B2 B3 B4 B5 B8 B9 C2 C3 C8 C9 | 0 | 25 | 25 |
| 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 | 30.5 | 33.5 |
| Directed discussion | B1 B2 B3 B4 B9 C2 | 2 | 4 | 6 |
| Online forum | B2 B4 B5 C2 | 0 | 5 | 5 |
| 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 | 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 course. |
| Seminar | Seminar on one of the topics of this course. |
| Case study | Cases proposed by the teachers to be solved in group or individually. |
| 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 | Forum that the students can use for posing questions or solving doubts, as well as for proposing topics for debate or sharing information of interest for this course. |
| Guest lecture / keynote speech | Lectures on the content of this course. |

| Personalized attention | |
|---|---|
| Methodologies | Description |
| Supervised projects Mixed objective/subjective test Case study 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 C2 C3 C7 C8 C9 | Assesment of a team project. | 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 and ICT practises, answer to questions formulated...). | 10 |
| ICT practicals | A9 A13 B1 B2 B3 B5 B8 B9 C3 C8 C9 | At the end of the course the students will need to complete a ICT practical/exam covering the different issues studied in the ICT practicals done in class. | 30 |

Assessment comments

Assessment criterions

In order to pass this course, it will be necessary to obtain a minimum score of 3.5 points out of 10 in the mixed objective/subjective test, the ICT practicals, and the supervised project. If this requirement is not met, the qualification will be "Fail", even when the average of all the activities that are part of the assessment will give a result equal to or greater than 5 points out of 10.

It will be an essential requirement to be evaluated to regularly attend and actively participate in the classroom and interactive sessions and in the different seminars organized.

The grade of "Not present" will only be given to students who only participated in course activities worth under 20% of the final grade; regardless of the grade obtained in these activities.

The assessment criterions indicated will be valid both in the first and in the second opportunity of evaluation. The grade obtained by students who pass a part of the course with a mixed exam (i.e. 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, her/his final grade will be "Fail", implying that she/he will have to re-take the whole course during incoming academic years.

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

Additional information

Fraudulent behavior in any of the parts subject to assessment will result in the grade of "Fail (0)" in the final assessment.

It is forbidden to access the examination room with any device allowing for data transmission and/or warehousing when any of the evaluations is taking place (mobile phones, smartwatches...).

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 instructor of the course at the beginning of the course, in order to establish a plan and calendar of activities. The assessment system will be the following one: mixed objective/subjective test (30%), ICT practicals (30%), supervised projects (20%), and case study (20%). The supervised project must be done in group.

Sources of information



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| Basic | <ul style="list-style-type: none"> - 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] <p>O profesorado da materia poderá proporcionar bibliografía adicional en cada un dos temas.</p> |
| Complementary | <ul style="list-style-type: none"> - 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

Fashion Supply Chain Management II: Operations Management/710G03017

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

Other comments

It is recommended the revision and monitoring of the course through Moodle, where the materials used in class will be shared and the activities to be carried out will be reported. Given the impossibility of using the computer rooms during the interactive sessions, as a consequence of the capacity restrictions imposed by the COVID-19, the students must bring their laptops or electronic tablets to the interactive classes, so as to be able to carry out the planned activities. In order to meet the objective of action number 5: "Healthy and environmentally and socially sustainable teaching and research" of the "Campus Verde Ferrol Action Plan", it will be encouraged, to the extent possible, the virtual delivery of reports through Moodle and without the need to print them; and if not possible, it will be recommended to print using recycled paper, double-sided and avoiding the use of plastic materials.

(*)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.