

1. Key Information		
Module Code: 13622	Module Title: Supply Chain Management	
Credit Points: 6	Module Status: Compulsory	Module Block: Business Technologies
Course Title: BSc in Engineering and Management		Module Theme: Production and Logistics

2. Lecturer:	Jeremías Moragues Pons	Tutorial Hours:	Friday from 16:00 to 18:00
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3. Required Reading:	
<i>Logistic and Supply Chain Management. 4a Ed. Prentice Hall, 2.010</i>	<i>Martin Christopher</i>
<i>Operations Management. 6a Ed. Prentice Hall</i>	<i>Nigel Slack, Stuart Chambers, Robert Johnston</i>
<i>Supply chain management. Strategy, Planning, and Operation. Pearson Education.</i>	<i>Sunil Chopra & Peter Meindl</i>
<i>Supply Chain Management for dummies</i>	<i>Daniel Stanton</i>

4. General overview of the module

After the 1st quarter understanding the basis of Supply Chain Design, the subject focus on management and execution of main elements of Global Supply Chain, as well, their impact in the Profit and losses account.

One of the key objectives is to introduce basics aspects of the strategy of Operations and Supply Chain Directors, providing concepts and techniques, helping to understand the new role of those areas into the Company strategy.

The student will learn the main tools to manage the Global Supply Chain, impacts of their decisions, and key elements of control.

Significantly, decisions related to the management of supply chain, supplier management, planning processes, production control, customer service and Supply Chain Control through appropriated Balance Scorecard.

5. Recommended prior knowledge	
<i>Code</i>	<i>Module</i>
<i>13621</i>	<i>Supply Chain Design</i>

6. Module objectives – Learning outcomes	
Basic and general competencies	
CB2 - That students are able to apply their knowledge to their work in a professional manner and have the capabilities typically demonstrated through the preparation and defense of arguments and solving problems within their study area.	
CB4 - That students can communicate information, ideas, problems, and solutions to both specialized and nonspecialized public.	
CB5.- That the students have developed those learning skills necessary to undertake further studies with a high degree of autonomy	
01 – Ability to work in a team in multilingual, multidisciplinary and multicultural environments.	
02 – Use the techniques, skills and technological and economic tools necessary for the professional practice of Engineering and Business Management.	
04 – Learn to analyze the different elements that interact in the business decision making.	
05 - Know how to express oneself in formal, graphic and symbolic languages necessary to be understood in engineering environments and business	
06 - Ability to make decisions in an environment of business certainty and uncertainty.	
Specific competencies	
03 - Plan the implementation of business strategies.	
07 - Acquire the necessary knowledge of the supply, production, distribution, and logistics systems of the company	
09 - Define the potential of companies to meet the customer’s needs.	

Teaching and learning units	
Unit	Schedule
	<i>Session</i>
1. Supply Chain Management	1
2. Supplier Management and Procurement	6
2.1 Supplier Management	
2.2 Material Procurement processes	
2.3 Role Play Negotiation	
3. Production Control and Management	7,5
3.1 Production Planning processes	
3.2 Production Systems	
3.3 Production Control	
3.4 Warehouse Management	
<i>Exercises: MPS, ATP, APP, MRP</i>	
4. Distribution and Transport	6
4.1 Logistic Cost	
4.2 Logistic Operators	
4.3 Transport Management	
<i>Exercise: Logistics Outsourcing</i>	
5. Customer Service. Returns Management	2
6. Supply Chain Coordination	5
6.1 Sales and Operations Planning	
6.2 Balanced Scorecard	
Summary & Business Case	2,5

7. Teaching and learning methods							
Unit	Theory (Classroom)	Practical (Classroom)	Practical (Laboratory)	Practical (Classroom)	Practical (ICT)	Self-guided study	TOTAL HOURS
1	2					5	7
2	6	3			3	15	27
3	6	6			3	20	33
4	8	4				20	31
5	4					15	22
6	4	3			3	15	25
	2	3				15	20
TOTAL HOURS	32	19	0	0	9	105	165

8. Assessment

Overview	Nº of activities	Weighting (%)
Continuous assessment		40%
- Academic assessments: Individual activities / exercises	3	20%
- Academic assignments: Group work participation / presentations	1	20%
Exam		60%
- Open answer response	1	40%
- Multiple choice	1	20%

Student evaluation will consist of both continuous and summative assessments:

1. **Continuous assessment:** *The submission of practical work either carried out individually or in groups and participation in the different activities both inside the classroom, such as the analysis, summation and discussion of required readings, and outside including company visits, will account for this mark. This part of the assessment carries a weighting of 40% towards the final mark.*
2. **Summative assessment:** *These tests can combine both theoretical and practical content. This part of the assessment carries a weighting of 60% towards the final mark.*

Continuous assessment is attendance based and non-recoverable. Therefore, the mark obtained for this part of the assessment will serve for both the first summative assessment and any subsequent repeat if required. The repeat will only be available at the end of the semester.

In order to pass the module an average of more than 5 in summative tests must be obtained. The final mark will be calculated by the average weightings of the summative assessment in combination with the continuous assessment. The final mark achieved must be 5 or above to pass the module.

Attendance is compulsory to ensure that you extract the most value from the module and meet the learning requirements. Therefore, session absence accounting for more than 15% of the prescribed hours will result in the inability to be awarded a mark for continuous assessment. Consequently, the maximum mark that can be achieved will be that obtained solely from the summative assessments.

Students enrolling in the module for the second time will receive specific instructions from their lecturer on what is required for them to pass the continuous assessment element. The final mark will be obtained by combining the summative assessment (80%) and the continuous assessment (20%), having to gain a final mark equal to or greater than 5 to pass the module.

All students must comply with the rules of writing, spelling and grammar in the development of their work and their assessment tests.