

Course	
Course	Global Supply Chain Management
Code	E000004359
Program	Master of Business Administration (MBA)
Level	Official Master
Semester	2º
Credits	3,0 ECTS
Optionality	Optional
Department	Máster Universitario en Administración de Empresas (MBA)
Office Hours	On demand
Faculty information	
Professor	
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Information about the course

Context	
Contribution to the professional profile of the program	
<p>The course develops the knowledge and understanding of the more important elements of supply chain management in a global context. Concepts about the business logistics system and logistics functions in the supply chain are discussed. Also logistics functions of supply, manufacturing and physical distribution together with concepts related to logistics strategies in the supply chain, considering the opportunities and threats derived from the international dimension of operations.</p> <p>There is an analysis on the bullwhip effect and how this adds inefficiencies in the supply chain and how collaborative relationships between companies in the chain help to address those inefficiencies.</p> <p>Finally, a discussion about concepts and the applications of information technologies in the logistics management of the supply chain (ERP and SCM).</p>	
Competences - Objectives	
Competences	
GENERIC	
CG02	Information and data management as key elements for decision making and the identification, formulation and resolution of business problems
	RA1 Search, know, synthesize and properly use primary and secondary data from various sources
	RA2 Knows and uses the Internet to search and manage information, texts and data
	RA3 Discern the value and usefulness of different sources and types of information
CG04	Application of concepts and theories to business organizations to discover new business opportunities and achieve the generation of lasting competitive advantages
	RA1 Relate concepts in an interdisciplinary or transversal way
	RA2 Correctly identify the knowledge applicable to each situation
	RA3 Determine the scope and usefulness of theoretical notions
CG06	Ethical commitment in the application of moral values and those of the organization against ethical dilemmas and corporate social responsibility
	RA1 Asume la deontología y los valores asociados al desempeño de la profesión
	RA2 Persigue la excelencia en las actuaciones profesionales.
	RA3 Assume a responsible attitude towards people, with the means and resources that are used or managed
	RA4 Worries about the consequences that their activity and behavior may have for others

CG08	Critical reasoning and argumentation consistent with the understanding of knowledge and knowledge about business organizations, their external context and their management and management process	
	RA1	Identify, establish and contrast the hypotheses, variables and results in a logical and critical way
	RA2	Review the options and alternatives with critical reasoning that allows you to discuss and argue contrary opinions.
CG09	Autonomous learning to learn cognitive skills and relevant knowledge applied to professional and business activity	
	RA1	Carries out work needing only some initial indications and a basic follow-up
	RA2	Search and find adequate resources to support their actions and carry out their work
	RA3	Extends and deepens in the performance of their work
SPECIFICS		
CE08	Ability to identify and establish the strategic value of product and process design, control and organization of production, logistics and quality management in an industrial or service company	
	RA1	It includes the organization of tasks according to the production system used
	RA2	Knows how to measure the results achieved as a result of the different possibilities of organizing tasks
	RA3	Understand the influence of the product on the efficiency and effectiveness of production systems
	RA4	Understand the importance of product quality and service for customer loyalty and achievement
	RA5	Knows how to apply techniques to measure the quality of products and services
	RA6	Understand the strategic importance that a given site has for the company
	RA7	Know the quantitative and qualitative methods to reach a solution in the location of processes
	RA8	Solve the different inventory management models
	RA9	Analyze the situation of an inventory through the evolution of indicators
	RA10	Know the importance of inventories in the service and finances of the company
CEO1	Know the need to coordinate the activities of suppliers and customers within the supply chain and its impact on the effectiveness and efficiency of the chain	
RA1	Knows how to distinguish the different logistic activities in the company and the importance RA1 in the operation of other activities such as commercial, financial and human resources	
RA2	Know the mechanisms to achieve customer satisfaction in the provision of logistics tasks	
RA3	Knows how to quantify the quality of the logistics service	
RA4	Know the logistics costs and their evolution with the provision of the logistics service	
CONTENTS		
<p>Chapter 1: The supply chain strategy</p> <p>1.1 Definition of supply chains</p> <p>1.2 Evolution and trends.</p> <p>Chapter 2: Inventory management</p> <p>2.1 Types of inventories</p> <p>2.2 Inventory costs</p> <p>2.3 Inventory models</p> <p>2.4 Technology applied to inventories.</p> <p>Chapter 3: Strategic sourcing.</p> <p>3.1 Purchasing Management</p> <p>3.2 Supplier Management</p> <p>3.3 Recruitment strategies</p> <p>3.4 E-procurement</p> <p>Chapter: Demand Management</p> <p>4.1 Demand forecast models</p> <p>Chapter 5: Transportation planning systems</p> <p>5.1 Logistics transport systems</p> <p>5.2 Movement of materials</p> <p>5.3 Technology applied to transport systems</p>		

Chapter 6: Location decisions
6.1 Outsourcing
6.2 Strategic alliances

Chapter 7: Supply chain management
7.1 The bulwhip effect
7.2 Global sourcing
7.3 Environmental management
7.4 Electronic commerce

TEACHING METHODOLOGY

Classroom activities	
Lessons. Oral presentations of topics, cases, exercises and collaborative learning	CG04, CG06, CG08, CG09, CE01
Out of the classroom activities	
Analysis and resolution of cases and exercises, individual or collective Individual study and organized reading	CG04, CG06, CG08, CG09, CE01
Academic tutoring	

ASSESSMENT AND EVALUATION CRITERIA

Assesment and Evaluation criteria		
Final exam	The final exam will consist of the analysis of a business case related to the improvement of the supply chain management where the student will have to put into practice the skills acquired during the course. The final exam must have a minimum grade of 5 to pass.	50 %
Group work	Students will work in groups analyzing an end-to-end supply chain. Class presentation of the analysis and recommendations for improvement.	20 %
Class participation	The follow-up of the classes, the participation in the discussions, as well as the voluntary presentations of the students on current issues in supply chain management will be taken into account.	30 %

For extraordinary calls or reevaluation a theoretical-practical exam will be 100% of the grade.

SUMMARY OF THE STUDENT EXPECTED WORKING HOURS			
Classroom			
Lessons	Workshops	Other activities	Assesment
14	14		2
Out of classroom			
Autonomous activities	Practical autonomous activities	Collaborative activities	Studying

10	10	10	15
CRÉDITOS ECTS:			3

RESOURCES

Text books

Aquilano, Nicholas J.; Chase Richard B. Administración de operaciones, McGrawhill, 2009

Heizer, J.; Render, B.; Munson, Ch.; "Operations management: Sustainability and Supply ChainManagement".12th ed. Pearson, 2017.

Krajewski, L; Ritzman, L; Malhotra, M; Operations Management. Pearson, 2010