

**TECHNICAL SHEET OF THE SUBJECT**

Data of the subject	
Subject name	Global Supply Chain Management
Subject code	E000011598
Main program	Official Master's Degree in Business Administration - MBA
Involved programs	Máster Universitario en Administración de Empresas (MBA) [First year]
Level	Postgrado Oficial Master
Quarter	Semestral
Credits	3,0 ECTS
Type	Optativa
Department	Departamento de Gestión Empresarial
Coordinator	Marcelo Leporati
Schedule	mleporati@comillas.edu
Office hours	appointment by email
Course overview	Understanding of supply chain management in a global context. This includes corporate logistics systems, functions, and tasks; logistics of purchases, of operations, and of distribution; reflections on the whip effect as a source of inefficiencies, and on agents' cooperation throughout the supply chain; and technology application to the logistics of the supply chain.

Teacher Information	
Teacher	
Name	Juan Marcelo Leporati
Department	Departamento de Gestión Empresarial
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SPECIFIC DATA OF THE SUBJECT

Contextualization of the subject
Contribution to the professional profile of the degree
This course provides with skills on all logistics functions and tasks within organisations: purchases, production, distribution, strategies and planning considering opportunities and threats of the internationalisation of corporate operations. This subject provides the student with a broad view of the impact that decisions have on the value chain, including the ethical dimension of these decisions.
Prerequisites
Fundamentals of operations management

Competencies - Objectives
Competences



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Syllabus
2025 - 2026

GENERALES

CG02	Management of data and information as key elements for decision-making and for identification, formulation and resolution of business problems.
CG04	Application of concepts and theories on business organizations in order to discover new business opportunities and acquire long-term competitive advantages.
CG06	Time management capacity with the purpose of improving personal and team efficiency within business organizations, its environment and its management.
CG08	Initiative, creativity and entrepreneurship when applying management techniques and related knowledge to management and development of business organizations.
CG09	Knowledge, understanding and handling of tools for diagnosis of the competitive position of a company, and designing and executing the company's strategic plan.

THEMATIC BLOCKS AND CONTENTS

Contents - Thematic Blocks

Chapter 1: The supply chain strategy

- 1.1 Definition of supply chains
- 1.2 Evolution and trends.

Chapter 2: Inventory management

- 2.1 Types of inventories
- 2.2 Inventory costs
- 2.3 Inventory models
- 2.4 Technology applied to inventories.

Chapter 3: Strategic sourcing.

- 3.1 Purchasing Management
- 3.2 Supplier Management
- 3.3 Recruitment strategies
- 3.4 E-procurement



Chapter 4: Demand Management

4.1 Demand forecast models

Chapter 5: Transportation planning systems

5.1 Logistics transport systems

5.2 Movement of materials

5.3 Technology applied to transport systems

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 and ethical issues

7.4 Electronic commerce

TEACHING METHODOLOGY

General methodological aspects of the subject

USE OF AI: In this course, the use of generative AI is permitted. The course is at Level 3 for AI use on the Perkins et al. (2024) scale. This allows students to use these tools to generate ideas, structure papers, explore alternatives, and improve writing. However, its use must always be accompanied by: a review and critical analysis of the student's work, a personal contribution, and a transparent statement about how and at what stages AI was used.

AI is understood as a complement that stimulates creativity, reflection, and a deeper understanding of content, but never as a substitute for the reasoning, argumentation, and analytical skills that are essential to university learning.

SUMMARY STUDENT WORKING HOURS

CLASSROOM HOURS	
Lessons of an expository nature	Oral presentations of topics, cases, exercises and papers
16.00	14.00
NON-PRESENTIAL HOURS	



Individual study and organized reading	Analysis and resolution of cases and exercises, individually or collectively	Collaborative learning
25.00	10.00	10.00
ECTS CREDITS: 3,0 (75,00 hours)		

EVALUATION AND CRITERIA

The use of AI to produce full assignments or substantial parts thereof, without proper citation of the source or tool used, or without explicit permission in the assignment instructions, will be considered plagiarism and therefore subject to the University's General Regulations.

Evaluation activities	Evaluation criteria	Weight
Final exam	<p>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.</p> <p>The final exam must have a minimum grade of 5 to pass.</p>	50
Group work	<p>Students will work in groups analyzing an end-to-end supply chain.</p> <p>Class presentation of the analysis and recommendations for improvement.</p>	20
Class participation	<p>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.</p>	30

Ratings

Students will have two opportunities to pass the course: one during the teaching period and another during the exam period that will take place in July 2025.

In order to pass the course during the teaching period, a minimum grade of "5" is required on each of the assessment activities described above.

Those students who have not passed the course in the first evaluation period will have to repeat the exam on the July re-sit summon. Grades obtained by the student on the rest of assessment activities – with its associated weights- will be maintained on this second evaluation.

Students with a waiver for class attendance will be graded based on the final exam



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NOTE ON MISUSE OF GENERATIVE ARTIFICIAL INTELLIGENCE (such as ChatGPT)

Regarding the misuse by students of Chat GPT and/or any other GAI in all assessment activities: it will be considered a serious offense, according to the General Regulations of the University, art. 168.2.e: 'actions aimed at falsifying or defrauding the academic performance evaluation systems.' The consequences of this will be 'temporary expulsion for up to three months or the prohibition of taking exams in the next session upon the imposition of the sanction, in one or several subjects in which the student is enrolled, [...] apart from resulting in a failing grade (0) in the respective subject, [...] [and] the prohibition of taking exams for that subject in the next session.

BIBLIOGRAPHY AND RESOURCES

Basic Bibliography

Chopra, S.; "Supply Chain Management: Strategy, Planning, and Operation" 7th ed. Pearson, 2018.

Heizer J.; Render, B., Munson, C. (2023). Operations Management: Sustainability and Supply Chain Management (14th Edition). Pearson

Leporati, M; Martul, L.; Morales-Contreras, M. "Global supply chain: An integrative view". Thompson Reuters Aranzadi, 2021. ISBN 978-84-1345-903-5