

FB6721: SUPPLY CHAIN MANAGEMENT

Effective Term

Semester A 2025/26

Part I Course Overview

Course Title

Supply Chain Management

Subject Code

FB - College of Business (FB)

Course Number

6721

Academic Unit

Decision Analytics and Operations (DAOS)

College/School

College of Business (CB)

Course Duration

One Semester

Credit Units

3

Level

P5, P6 - Postgraduate Degree

Medium of Instruction

English

Medium of Assessment

English

Prerequisites

Nil

Precursors

Nil

Equivalent Courses

Nil

Exclusive Courses

MS6721/MS6721A Supply Chain Management

Part II Course Details

Abstract

A supply chain is a network of facilities and organizations that is involved in acquiring raw materials and services, and then producing and delivering the end products and services with added value to customers. The objective of supply chain

management is to effectively coordinate the flows of products, information and finance in supply chains. This course aims to give students a balanced, contemporary view of managerial issues which arise in coordinating these three flows in the supply chain.

Course Intended Learning Outcomes (CILOs)

CILOs		Weighting (if DEC-A1 DEC-A2 DEC-A3 app.)			
1	Design the scope of supply chain management and identify the major sources of challenges in supply chain management.	20	x		
2	Apply appropriate supply chain strategies with product characteristics.	30		x	
3	Demonstrate the appropriate performance measures with organizational and customer needs.	10		x	
4	Apply Information Technology and the theory of objective alignment to solve issues in supply chain coordination	20		x	
5	Design appropriate operational strategies to improve supply chain performance	20		x	x

A1: Attitude

Develop an attitude of discovery/innovation/creativity, as demonstrated by students possessing a strong sense of curiosity, asking questions actively, challenging assumptions or engaging in inquiry together with teachers.

A2: Ability

Develop the ability/skill needed to discover/innovate/create, as demonstrated by students possessing critical thinking skills to assess ideas, acquiring research skills, synthesizing knowledge across disciplines or applying academic knowledge to real-life problems.

A3: Accomplishments

Demonstrate accomplishment of discovery/innovation/creativity through producing /constructing creative works/new artefacts, effective solutions to real-life problems or new processes.

Learning and Teaching Activities (LTAs)

LTAs	Brief Description	CILO No.	Hours/week (if applicable)	
1	Lecture	Students will attend lectures on theory, methods, and skills, which will be demonstrated with examples.	1, 2, 3, 4, 5	2
2	Case study	Students will explore relevant cases to understand the ideas and experience the perspectives of decision makers, exposing the trade-offs involved in practical business environments.	1, 2, 3, 4	1

3	Reading	Students will follow a general reading list to facilitate their learning and complete a special reading assignment to present a thorough and comprehensive business story, on which they are required to write a reading report.	1, 2, 3, 4, 5	1
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Assessment Tasks / Activities (ATs)

	ATs	CILO No.	Weighting (%)	Remarks ("- " for nil entry)	Allow Use of GenAI?
1	Case Exercise	1, 2, 3, 4, 5	30	-	No
2	Assignments	1, 2, 4, 5	20	-	No

Continuous Assessment (%)

50

Examination (%)

50

Examination Duration (Hours)

2

Additional Information for ATs

Examination: CILO No. 1,2,3,4,5.

Assessment Rubrics (AR)**Assessment Task**

Case Exercise (for students admitted before Semester A 2022/23 and in Semester A 2024/25 & thereafter)

Criterion

This AT is to present students with a very thorough and comprehensive business situation. The students are expected, as much as they can, to appreciate and recognize the connections of the case with the theory covered by the course, to understand the ideas in the case and to develop the ability to solve problems presented in the case.

Excellent

(A+, A, A-) High

Good

(B+, B, B-) Significant

Fair

(C+, C, C-) Moderate

Marginal

(D) Basic

Failure

(F) Not even reaching marginal levels

Assessment Task

Assignments (for students admitted before Semester A 2022/23 and in Semester A 2024/25 & thereafter)

Criterion

This AT is to provide students with basic training on the key skills covered by the lectures. The students are expected to solve them independently or in groups (as specified by the assignments)

Excellent

(A+, A, A-) High

Good

(B+, B, B-) Significant

Fair

(C+, C, C-) Moderate

Marginal

(D) Basic

Failure

(F) Not even reaching marginal levels

Assessment Task

Examination (for students admitted before Semester A 2022/23 and in Semester A 2024/25 & thereafter)

Criterion

Students are expected to solve the problems, as well as they can, with clear key points covered for open-end questions, with clear logic for computation-required questions, and with novel ideas for strategic level questions.

Excellent

(A+, A, A-) High

Good

(B+, B, B-) Significant

Fair

(C+, C, C-) Moderate

Marginal

(D) Basic

Failure

(F) Not even reaching marginal levels

Assessment Task

Case Exercise (for students admitted from Semester A 2022/23 to Summer Term 2024)

Criterion

This AT is to present students with a very thorough and comprehensive business situation. The students are expected, as much as they can, to appreciate and recognize the connections of the case with the theory covered by the course, to understand the ideas in the case and to develop the ability to solve problems presented in the case.

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Part III Other Information

Keyword Syllabus

Introduction to Supply Chain Management (SCM)

What is SCM? The complexity and the key issues in SCM. Supply chain strategies.

Logistics Network

Key parties and their responsibilities. Data essential for logistics network configuration.

Inventory Management

Demand forecasting. Strategic sourcing. Distribution requirement planning, material requirement planning. Inventory management, risk pooling and postponement, and distribution strategies for the supply chain.

Information and Supply Chain Management

The value of information. Bullwhip Effect. Beer Game. Information for supply chain integration and coordination. Vendor managed inventory.

Global Supply Chain Management

Issues such as tax/tariff and rules of origin/trade agreements pertinent to global supply chains; risk management; globalization strategies

Special Topics in SCM

Supply chain contract; revenue management; smart pricing.

Technologies and SCM

Enabling technologies such as IT and Internet of Things/RFID and SCM. Emerging trends in the industry.

Reading List

Compulsory Readings

	Title
1	David Simchi-Levi, Philip Kaminsky, Edith Simchi-Levi, Designing and Managing the Supply Chain, McGraw-Hill, 2009 (3rd ed.)
2	Gerald Cachon and Christian Terwiesch, Matching Supply with Demand, McGraw-Hill, 2013 (3rd ed.)

Additional Readings

	Title
1	Sunil Chopra, Peter Meindl, Supply Chain Management, Strategy, Planning & Operations, Pearson, 2007.