

# MS3124: GLOBAL SUPPLY CHAIN MANAGEMENT

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## Effective Term

Semester A 2022/23

## Part I Course Overview

### Course Title

Global Supply Chain Management

### Subject Code

MS - Management Sciences

### Course Number

3124

### Academic Unit

Management Sciences (MS)

### College/School

College of Business (CB)

### Course Duration

One Semester

### Credit Units

3

### Level

B1, B2, B3, B4 - Bachelor's Degree

### Medium of Instruction

English

### Medium of Assessment

English

### Prerequisites

Nil

### Precursors

Nil

### Equivalent Courses

Nil

### Exclusive Courses

Nil

## Part II Course Details

### Abstract

Provide students with a basic understanding of supply chain management concepts and build their appreciation of the importance of supply chain to business success;

Equip students with the fundamental approaches and tools to support practical and supply chain decision-making;

Expose students to the best practices and key trends of real-life supply chains and introduce them to the emergence of global supply chains.

### Course Intended Learning Outcomes (CILOs)

CILOs		Weighting (if app.)	DEC-A1	DEC-A2	DEC-A3
1	Define the scope and roles of supply chain management and identify the major sources of challenges in supply chain management	20	x		
2	Align appropriate supply chain models and strategies with product characteristics	30	x		
3	Align appropriate performance measures with organizational and customer needs	20	x		
4	Apply information technology to solve issues in supply chain coordination	30		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.

### Teaching and Learning Activities (TLAs)

TLAs	Brief Description	CILO No.	Hours/week (if applicable)
1	Lecture Key concepts and frameworks for supply chain management, and real world complexities are explained.	1, 2, 3, 4	
2	Review Questions Students recap and answer questions about the key concepts and topics they learned from the previous lecture.	2, 3, 4	

3	3	Reading Assignments Students read the assigned materials individually and are required to discuss, evaluate, and comment on the concepts and knowledge.	2, 3, 4	
4	4	In-class Exercises / activities Students in groups discuss and share ideas on applying their learned concepts / models into the real-world business problems and give recommendations for improvement.	1, 2, 3, 4	

**Assessment Tasks / Activities (ATs)**

ATs	CILO No.	Weighting (%)	Remarks (e.g. Parameter for GenAI use)
1 In-class Exercises Students in groups discuss and share ideas on applying their learned key concepts / supply chain models into the real-world business problems and give recommendations for improvement.	1, 2, 3, 4	30	
2 Group Project Students in groups are required to examine the key challenges and the supply chain issues of a selected company with global presence. They need to recommend ways to improve its competitiveness.	1, 2, 4	20	
3 Quizzes Students are required to attempt multiple quizzes individually to test their knowledge and ability on the subject matter at different stages during the course.		50	

**Continuous Assessment (%)**

**Examination (%)**

0

**Assessment Rubrics (AR)**

**Assessment Task**

In-class Exercises

**Excellent (A+, A, A-)**

Strong evidence of grasping managerial issues on coordinating product, information, and financial flows in supply chain as outlined in CILOs

**Good (B+, B, B-)**

Evidence of grasping managerial issues on coordinating product, information, and financial flows in supply chain as outlined in CILOs

**Fair (C+, C, C-)**

Some evidence of grasping managerial issues on coordinating product, information, and financial flows in supply chain as outlined in CILOs

**Marginal (D)**

Sufficient familiarity with the managerial issues on coordinating product, information, and financial flows in supply chain as outlined in CILOs

**Failure (F)**

Little evidence of grasping managerial issues on coordinating product, information, and financial flows in supply chain as outlined in CILOs

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**Assessment Task**

Group Project

**Excellent (A+, A, A-)**

Strong evidence of showing familiarity with key concepts and definitions. Clearly and correctly structures most critical points and makes important contributions to the assigned questions or problems. Critically discusses issues and draws most relevant implications to apply daily life examples of service experiences. Critical problem solving skills and excellent presentation skills are expected.

**Good (B+, B, B-)**

Evidence of showing familiarity with key concepts and definitions. Clearly and correctly state some critical points and contributions of the assigned questions or problems. Critically discuss issues and draw some relevant implications to apply daily life examples of service experiences. Critical problem solving skills and good presentation skills are expected.

**Fair (C+, C, C-)**

Evidence of showing adequate review of literature and key concepts. Understanding of the subject, ability to develop solutions to simple and basic problems in the assigned questions and problems.

**Marginal (D)**

State a few critical points and marginal contributions of the assigned questions and problems.

**Failure (F)**

State no critical points and no contributions of the assigned questions and problems.

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## Assessment Task

### Quizzes

#### Excellent (A+, A, A-)

Strong evidence of original thinking; good organization, capacity to analyse and synthesize; superior grasp of subject matter; evidence of extensive knowledge base.

#### Good (B+, B, B-)

Evidence of grasp of subject, some evidence of critical capacity and analytic ability; reasonable understanding of issues; evidence of familiarity with literature.

#### Fair (C+, C, C-)

Student who is profiting from the university experience; understanding of the subject; ability to develop solutions to simple problems in the material.

#### Marginal (D)

Sufficient familiarity with the subject matter to enable the student to progress without repeating the course.

#### Failure (F)

Little evidence of familiarity with the subject matter; weakness in critical and analytic skills; limited or irrelevant use of literature.

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## Part III Other Information

### Keyword Syllabus

#### Introduction to Supply Chain Management (SCM)

- \* Scope of supply chain management
- \* Roles and functions of Logistics in supply chains
- \* Global dimensions of supply chains
- \* Latest trends and development of supply chain management

#### Supply Chain Relationships

- \* Collaborative relationships
- \* 3rd party logistics

#### Supply Chain Performance Measurements

- \* Dimensions of supply chain performance metrics
- \* Supply Chain Financial impacts

#### Supply Chain Technology

- \* Role of information in supply chain
- \* Supply Chain Technology implementation

#### Procurement and Production

- \* Supplier selection & procurement strategies
- \* Balance supply and demand
- \* Forecasting and replenishment
- \* Types of production operations and production planning

#### Order Management

- \* Customer relationship management
- \* Customer service levels and order fulfilment
- \* Customer service accommodation strategies

**Inventory & Warehouse Management**

- \* Inventory costs and control
- \* Warehouse operations management
- \* Inventory models and strategies

**Network Analysis and Design**

- \* Facility location planning and analysis
- \* Network design process and implementation

**Sustainability, strategic challenges and supply chain strategies**

- \* Types of supply chain strategies
- \* Supply chain transformation

**Reading List**

**Compulsory Readings**

Title	
1	John J. Coyle, C John Langley, Robert A. Novack, Brian Gibson, Supply Chain Management: A Logistics Perspective, 10th Edition, Cengage, ISBN-13: 978-9353502546, 2017.

**Additional Readings**

Title	
1	Martin Christopher, Logistics & Supply Chain Management, 5th Edition, Pearson Education, ISBN-13: 9781292083797, 2016.
2	Paul Myerson, Lean Supply Chain and Logistics Management, McGraw-Hill Education, ISBN-13: 9780071766265, 2012.