

**City University of Hong Kong
Course Syllabus**

**offered by Department of Management Sciences
with effect from Semester A 2024/25**

Part I Course Overview

Course Title:	Transportation Logistics
Course Code:	MS6322
Course Duration:	One Semester
Credit Units:	3
Level:	P6
Medium of Instruction:	English
Medium of Assessment:	English
Prerequisites: <i>(Course Code and Title)</i>	Nil
Precursors: <i>(Course Code and Title)</i>	Nil
Equivalent Courses: <i>(Course Code and Title)</i>	Nil
Exclusive Courses: <i>(Course Code and Title)</i>	Nil

Part II Course Details

1. Abstract

This advanced course provides an in-depth examination of transportation and logistics management within the broader context of supply chain operations. Topics covered include strategic demand planning, order processing, and customer service from the outbound logistics perspective. The course also delves into distribution network design, facility location analysis, warehousing, packaging, and materials handling. Key transportation fundamentals, routing and scheduling techniques, and the unique considerations of international trade logistics are explored. Strategies for managing shipping derivatives, risk, and service pricing are discussed, as well as the growing importance of green and sustainable logistics practices. Through a combination of lectures, case studies, and hands-on exercises, students will develop a comprehensive understanding of how effective transportation and logistics management can drive supply chain efficiency and competitive advantage. Practical applications of quantitative methods and decision support tools are emphasized throughout the course.

2. Course Intended Learning Outcomes (CILOs)

(CILOs state what the student is expected to be able to do at the end of the course according to a given standard of performance.)

No.	CILOs	Weighting (if applicable)	Discovery-enriched curriculum related learning outcomes (please tick where appropriate)		
			A1	A2	A3
1.	Explain the fundamental concepts, principles, and strategic role of transportation and logistics within the context of supply chain management.	20%	✓	✓	✓
2.	Analyze key operational decisions and apply appropriate analytical tools and techniques in transportation planning, network design, and logistics management	20%	✓	✓	✓
3.	Develop business models and strategic plans that incorporate logistics considerations to enhance supply chain efficiency and competitiveness.	20%	✓	✓	✓
4.	Evaluate transportation and logistics markets, including pricing structures, service offerings, and emerging trends and technologies.	20%	✓	✓	✓
5.	Demonstrate the ability to work collaboratively in teams to solve complex transportation and logistics problems, while considering ethical, social, and environmental responsibilities.	20%	✓	✓	✓
		100%			

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.

3. Learning and Teaching Activities (LTAs)

(LTAs designed to facilitate students' achievement of the CILOs.)

LTA	Brief Description	CILO No.						Hours/week (if applicable)
		1	2	3	4	5		
Attend and actively participate in interactive lectures	Attend and actively participate in interactive lectures on the fundamental concepts, principles, and strategic role of transportation and logistics in supply chain management.	✓	✓	✓	✓			
Collaborate in group case studies, conduct presentations and report writing.	Collaborate in team-based case studies, presentations, and report writing to analyze real-world transportation and logistics problems, apply analytical tools, and communicate findings. Conduct research and discussions on current industry trends, technologies, and ethical considerations in transportation and logistics. Complete individual assignments and reflective essays to critically analyze issues and apply course concepts.	✓	✓	✓		✓		

4. Assessment Tasks/Activities (ATs)

(ATs are designed to assess how well the students achieve the CILOs.)

Assessment Tasks/Activities	CILO No.						Weighting	Remarks
	1	2	3	4	5			
Continuous Assessment: <u>60</u> %								
Group Case Studies, Presentation and Report	✓	✓	✓	✓	✓		30%	
Individual Assignment	✓	✓	✓	✓	✓		20%	
Class Participation	✓	✓	✓	✓	✓		10%	
Examination: <u>40</u> % (duration: <u>2</u> hours, if applicable)								
Examination	✓	✓	✓	✓	✓		40%	
							100%	

5. Assessment Rubrics

(Grading of student achievements is based on student performance in assessment tasks/activities with the following rubrics.)

Applicable to students admitted before Semester A 2022/23 and in Semester A 2024/25 & thereafter

Assessment Task	Criterion	Excellent (A+, A, A-)	Good (B+, B, B-)	Fair (C+, C, C-)	Marginal (D)	Failure (F)
1. Group Case Studies, Presentation and Report	Capacity to analyse the real-world cases and ability to employ principles and methods to explain the findings and insights, and conduct a presentation.	High	Significant	Moderate	Basic	Not even reaching marginal levels
2. Individual Assignment	Answer the exercise correctly and provide managerial interpretations on the results using the relevant concepts and theories.	High	Significant	Moderate	Basic	Not even reaching marginal levels
3. Class participation	Attend the lectures and engage in class discussions.	High	Significant	Moderate	Basic	Not even reaching marginal levels
4. Examination	Answer exam questions including both multi-choice questions and discussion questions correctly in two hours.	High	Significant	Moderate	Basic	Not even reaching marginal levels

Applicable to students admitted from Semester A 2022/23 to Summer Term 2024

Assessment Task	Criterion	Excellent (A+, A, A-)	Good (B+, B)	Marginal (B-, C+, C)	Failure (F)
1. Group Case Studies, Presentation and Report	Capacity to analyse the real-world cases and ability to employ principles and methods to explain the findings and insights, and conduct a presentation.	High	Moderate	Low	Not even reaching marginal levels
2. Individual Assignment	Answer the exercise correctly and provide managerial interpretations on the results using the relevant concepts and theories.	High	Moderate	Low	Not even reaching marginal levels
3. Class participation	Attend the lectures and engage in class discussions.	High	Moderate	Low	Not even reaching marginal levels
4. Examination	Answer exam questions including both multi-choice questions and discussion questions correctly in two hours.	High	Moderate	Low	Not even reaching marginal levels

Part III Other Information (more details can be provided separately in the teaching plan)

1. Keyword Syllabus

(An indication of the key topics of the course.)

1. Introduction to Transportation and Logistics
2. Outbound-to-Customer Logistics: Demand Planning/Order Management/Customer Services
3. Distribution Strategies: Facility Location, Warehousing, Packaging and Materials Handling
4. Transport: Fundamentals
5. Transport: Routing and Scheduling
6. International Trade and Logistics
7. Shipping Derivatives and Risk Management
8. Transport Service Pricing and Revenue Management
9. Green Logistics

2. Reading List

2.1 Compulsory Readings

(Compulsory readings can include books, book chapters, or journal/magazine articles. There are also collections of e-books, e-journals available from the CityU Library.)

- Coyle et al., *Supply Chain Management: A Logistics Perspective*, 10th Edition (Cengage Learning)

2.2 Additional Readings

(Additional references for students to learn to expand their knowledge about the subject.)

1.	Paul R. Murphy, Jr. and A. Michael Knemeyer. <i>Contemporary Logistics</i> , 11/E (Pearson, 2015)
2.	Chopra, S., and P. Meindl, <i>Supply Chain Management: Strategy, Planning and Operation</i> , 6 th ed., Prentice Hall, 2015, New Jersey.
3.	Simchi-Levi, D., P. Kaminsky, and E. Simchi-Levi, <i>Designing and Managing the Supply Chain</i> , 3 rd ed., McGraw-Hill, 2007, New York.
4.	Ronald H. Ballou, <i>Business Logistics/Supply Chain Management</i> , 5th Edition (Upper Saddle River, NJ: Prentice-Hall, 2004).