

City University of Hong Kong

**Information on a Course
offered by the Department of Management Sciences
with effect from Semester A in 2012 / 2013**

Part I

Course Title: Transportation Logistics

Course Code: MS6322

Course Duration: One Semester

Credit Units: 3

Level: P6

Medium of Instruction: English

Prerequisites: Nil

Precursors: Nil

Equivalent Courses: Nil

Exclusive Courses: Nil

Part II

Course Aims

This course aims to:

- provide students with knowledge of modern transportation and logistics management.
- develop students' analytical ability to plan, organize and control products, money and information flow for transportation organizations.
- prepare students for a position in managing business activities for transportation in the commercial and government sectors in both local and global environments.

Course Intended Learning Outcomes (CILOs)

Upon successful completion of this course, students should be able to:

No.	CILOs	Weighting (if applicable)
1.	Describe the history, nature, role and relevant concepts of transportation in the supply chain.	%
2.	Identify and discuss the pros and cons of various processes and strategies in both local and global transportation environments.	%
3.	Evaluate the effectiveness and performance of each mode of transport in terms of operating and service characteristics.	%
4.	Assess a wide range of information systems and technologies to facilitate the transaction processes of products, money and information	%
5.	Interact effectively and accurately with other logistics parties.	%

Teaching and Learning Activities (TLAs)

(Indicative of likely activities and tasks designed to facilitate students' achievement of the CILOs. Final details will be provided to students in their first week of attendance in this course)

CILO No.	TLAs	Hours/week (if applicable)
1-4	1. Lectures: Concepts and general knowledge of transportation and logistics are explained during lectures.	
1-4	2. Problem Solving Exercises: Students are paired up to debate and discuss possible solutions to selected real-world "problems" related to the content of the lectures. Lecturer interacts with comments and feedback and invites students' rebuttal and explanation.	
1,3,5	3. Case Studies: Videos and computer animation are used to show and explain local and overseas business cases. These are followed by class discussions in which students are encouraged to include relevant personal experience and other relevant cases. They assess alternative solutions and explore the future world of transport logistics	

3,5	<p>4. Virtual Study Tours: For preselected real-world issues and/or research topics, in-class games and virtual study tours are arranged for students to “visit” transportation and logistics-related enterprises in Mainland China, Hong Kong and around the world. Students are required to conduct empirical research on the selected issues and topics, and to report their views, present their research findings and observations, and expand with their own examples and experiences.</p>	
3,4,5	<p>5. In-class Games: In a US-China outsourcing and contract manufacturing setting, each student works with a partner (one in a US company, the other in a company in China) to play a collection of in-class games to solve realistic issues in global logistics and supply chain management, including a possible trade war between US and China, incomplete outsourcing contracts, and infrastructure dependent logistics technologies. After the game, students are asked to reflect on and evaluate their performance, and expand on the viable strategies and solutions to the problems in question.</p>	

Constructive Alignment of CILOs and TLAs

	TLA 1	TLA 2	TLA 3	TLA 4	TLA5	Hours/week (if applicable)
CILO 1	✓	✓	✓			
CILO 2	✓	✓				
CILO 3	✓	✓	✓	✓	✓	
CILO 4	✓	✓			✓	
CILO 5			✓	✓	✓	

Assessment Tasks

(Indicative of likely activities and tasks designed to assess how well the students achieve the CILOs. Final details will be provided to students in their first week of attendance in this course)

CILO No.	Types of Assessment Tasks (ATs)	Assessment Details	Weighting (if applicable)
1-5	1. Course Work	Two case study reports and one in-class games report	60%
2-5	2. Group Project	Small groups are formed for students to work on preselected topics, or self proposed topics with	30%

		the instructor's permission. Each group will make a final presentation on the selected group project. Students will receive feedback from other groups and the lecturer. Example projects include "Empirical Study of Bullwhip Effects in Port Centric Logistics of China", and "Performance Benchmarking of Container Ports in Asia".	
1-5	3. Individual Assignment	Students are required to complete individually out of class particular problem-solving tasks selected from the textbooks and lecture notes. Most problems are selected or derived from the textbooks, of which some contain suggested problems and homework assignments.	10%

Constructive Alignment of CILOs and Assessment Tasks

	AT 1	AT 2	AT 3
CILO 1	✓		✓
CILO 2	✓	✓	✓
CILO 3	✓	✓	✓
CILO 4	✓	✓	✓
CILO 5	✓	✓	✓

Grading of Student Achievement:

Refer to Grading of Courses in the Academic Regulations for Taught Postgraduate Degrees.

AT1: Course Work

Letter Grade	Grade Point	Grade Definitions	
A+	4.3	Excellent	Strong evidence of original thinking; good organization, capacity to analyse and synthesize; superior grasp of subject matter; evidence of extensive knowledge base.
A	4.0		
A-	3.7		
B+	3.3	Good	Evidence of grasp of subject, some evidence of critical capacity and analytic ability; reasonable understanding of issues; evidence of familiarity with literature.
B	3.0		
B-	2.7		

C+	2.3	Adequate	Student who is profiting from the university experience; understanding of the subject; ability to show some evidence of familiarity with literature.
C	2.0		
C-	1.7		
D	1.0	Marginal	Sufficient familiarity with the subject matter to enable the student to progress without repeating the course.
F	0.0	Failure	Little evidence of familiarity with the subject matter; weakness in critical and analytic skills; limited or irrelevant use of literature.

AT2: Group Project

Letter Grade	Grade Point	Grade Definitions	
A+	4.3	Excellent	Strong evidence of understanding the key concepts and definitions of the learned subject; capacity to analyse and synthesize; superior grasp of subject matter; evidence of extensive knowledge base.
A	4.0		
A-	3.7		
B+	3.3	Good	Evidence of grasp of subject, some evidence of critical capacity and analytic ability; reasonable understanding of issues; evidence of familiarity with literature.
B	3.0		
B-	2.7		
C+	2.3	Adequate	Student who is profiting from the university experience; understanding of the subject; ability to show some evidence of familiarity with literature.
C	2.0		
C-	1.7		
D	1.0	Marginal	Sufficient familiarity with the subject matter to enable the student to progress further.
F	0.0	Failure	Little evidence of familiarity with the subject matter; limited or irrelevant use of literature.

AT3: Individual Assignment

Letter Grade	Grade Point	Grade Definitions	
A+ A A-	4.3 4.0 3.7	Excellent	Strong evidence of original thinking; good organization, capacity to analyse and synthesize; superior grasp of subject matter; evidence of extensive knowledge base.
B+ B B-	3.3 3.0 2.7	Good	Evidence of grasp of subject, some evidence of critical capacity and analytic ability; reasonable understanding of issues; evidence of familiarity with literature.
C+ C C-	2.3 2.0 1.7	Adequate	Some evidence of grasp of subject, little evidence of critical capacity and analytic ability; reasonable understanding of issues.
D	1.0	Marginal	Sufficient familiarity with the subject matter to enable the student to progress without repeating the case report.
F	0.0	Failure	Little evidence of familiarity with the subject matter; weakness in critical and analytic skills; limited or irrelevant use of literature.

Part III

Keyword Syllabus

1. Transportation and Supply Chain Logistics: Overview

Winning-before-doing principle (uncertainty, forecasting, simulation, and innovation),
Five-word golden rule of winning before doing in logistics, industrial services (e.g.,
transportation, trade, corporate finance, and healthcare)

2. Transportation and trade logistics

Inter-mode transportation and logistics, inventory and distribution management,
maritime economics and logistics, ship chartering, shipping management

3. Global Ports and Logistics Facilitation (including 1 field trip)

Port logistics, port Governance, port as a logistics governance structure, port policy and efficiency

4. Aviation Logistics Management

Aviation logistics in a supply chain, production and cost analysis of aviation services

5. Environment Logistics

Green logistics and supply chains, sustainability of transportation logistics, carbon calculator and emission trading in transport logistics, energy supply chain

6. Intelligent Logistics (including 1 to 2 guest lectures)

Winning-before-doing logistics, logistics information technology, maintenance and contingent logistics, logistics of Internet of things (IoT)

Recommended Reading

Liu, J., *Supply Chain Management and Transport Logistics*, Routledge, 2012.

Bardi, Edward J., Coyle, John J. and Novack, Robert A., *Management of Transportation*, Thomson, 2006.

Coyle, John J., Bardi, Edward J. and Langley, C. John Jr., *The Management of Business Logistics*, 7th edition, South-Western, 2003.

Wood, D.F., Barone, A., Murphy, P. and Wardlow, D.L., *International Logistics*, 2nd edition, Kluwer Academic Publishers, 2001.

Rushton, A., Oxley, J. and Croucher, P., *The Handbook of Logistics and Distribution Management*, 3rd edition, Kogan Page, 2006.

The Hong Kong Shippers' Council, *South China Freight Transport Guide*, 2001.

Online Resources