

# The Hong Kong Polytechnic University

## Subject Description Form

<b>Subject Code</b>	LGT4106
<b>Subject Title</b>	Supply Chain Management
<b>Credit Value</b>	3
<b>Level</b>	4
<b>Normal Duration</b>	1-semester
<b>Pre-requisite / Co-requisite/ Exclusion</b>	Nil
<b>Objectives</b>	<p>The course focuses on operations management and analytics in basic supply chains, such as manufacturer-retailer and supplier-manufacturer systems. The course objectives are to learn recent best practices in supply chain management, and to develop analytical skills in solving specific types of logistics and supply chain problems. The course also intends to improve students' ability to deal with unstructured dynamic problems encountered in logistics and supply chain management. Skill development is accomplished through lectures, group assignments, and case studies.</p>
<b>Intended Learning Outcomes</b>	<p>Upon completion of the subject, students will be able to:</p> <ol style="list-style-type: none"> <li>Understand the strategic importance of supply chain management in improving a firm's competitive position in the marketplace;</li> <li>Identify the key characteristics of successful supply chains and how they differ from the traditional approaches;</li> <li>Gain insights into issues involved in the design, planning, and deployment of a supply chain. <b>(BBA Outcome 14)</b></li> <li>Evaluate the impact of supply chain management principle on a firm's overall strategy.</li> <li>Demonstrate an understanding on the importance of information technologies and analytics in the integration of supply chains.</li> <li>Gain fundamental skills for analyzing and managing a supply chain in an organization. <b>(BBA Outcome 14)</b></li> </ol> <p>Studying this subject will also help develop students' global outlook on global supply chain and global outsourcing, critical and creative thinking, and entrepreneurship.</p>
<b>Subject Synopsis/ Indicative Syllabus</b>	<p>Concepts in supply chain management; inventory management in the supply chain; logistics network design and planning; bullwhip effect and value of information; supply chain integration; product and process design for logistics; supply contracts; pricing and revenue management; strategic alliances and partnerships; information technology for supply chain; emerging topics in supply chain management and analytics.</p>

<b>Teaching/Learning Methodology</b>	In the lectures, the general principles of the syllabus topics will be presented and developed, together with guidance on further reading and activities. Lectures may also be used for the presentation and discussion of leading cases.							
	In the tutorials, students will develop and apply the general principles of the topic in student-centered activities, including simulation games, in-class exercises, and discussions.							
<b>Assessment Methods in Alignment with Intended Learning Outcomes</b>	Specific assessment methods/tasks	% weighting	Intended subject learning outcomes to be assessed (Please tick as appropriate)					
			a	b	c	d	e	f
	1. Coursework	50 %	✓	✓	✓	✓	✓	✓
	2. Final Examination	50 %	✓	✓	✓	✓	✓	✓
	Total	100 %						
		Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:  Assessment of Coursework (i.e., Continuous Assessment) includes homework assignments, test(s), and/or simulation game(s). The test(s) and final exam will cover all topics in the syllabus, with a focus of testing students’ understanding of the strategic importance of supply chain management, key characteristics of successful supply chains, impact of supply chain management principle on a firm’s overall strategy, and the importance of information technologies and analytics. It will also test students’ insights into issues involved in the supply chain planning and design, as well as students’ fundamental skills for analyzing a supply chain.  To reflect the significant technology content in this subject, <i>10% (or more)</i> of the overall weighting of this subject is based on individual assessment concerning technology-related knowledge.						
<b>Student Study Effort Expected</b>	Class contact:							
	• Lectures				26 Hrs.			
	• Tutorials				13 Hrs.			
	Other student study effort:							
	• Homework assignments and case studies				45 Hrs.			
	• Reading assignments				42 Hrs.			
	Total student study effort				129 Hrs.			
<b>Reading List and References</b>	Chopra, S. (2019), <i>Supply Chain Management: Strategy, Planning and Operation</i> , 7th edition, Global edition, Pearson.  Simchi-Levi, D., Kaminsky, P. and Simchi-Levi, E. (2022), <i>Designing and Managing the Supply Chain: Concepts, Strategies and Case Studies</i> , 4th edition, McGraw-Hill.							