The Hong Kong Polytechnic University

Subject Description Form

Subject Code	LGT4106
Subject Title	Supply Chain Management
Credit Value	3
Level	4
Normal Duration	1-semester
Pre-requisite / Co-requisite/ Exclusion	Nil
Role and Purposes	The course focuses on operations management 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 skills in solving specific types of logistics and supply chain problems **(Outcomes 6, 8, 9, 10)**. The course also intends to improve students' ability to deal with unstructured dynamic problems encountered in logistics and supply chain management **(Outcome 3)**. Skill development is accomplished through lectures, group assignments, and case studies.
Subject Learning Outcomes	Upon completion of the subject, students will be able to: a. Understand the strategic importance of supply chain management (SCM) in improving a firm's competitive position in the marketplace; b. Understand the key characteristics of successful supply chains and how they differ from the traditional approaches; c. Gain insights into issues involved in the design, planning, and deployment of a supply chain. **(Outcomes 3, 8, and 9)** d. Understand the impact of SCM principle on a firm's overall strategy. **(Outcome 10)** e. Understand the importance of information technologies in the integration of supply chains. **(Outcome 6)** f. Gain fundamental skills for analyzing and managing a supply chain in an organization. **(Outcome 9)** Studying this subject will also help develop students' global outlook on global supply chain and global outsourcing, critical and creative thinking, and entrepreneurship.
Subject Synopsis/ Indicative Syllabus	Concepts in SCM; inventory management in the supply chain; cross-docking; vendor-managed inventory; risk pooling concept; 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 the

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<tr><td></td><td>supply chain.</td></tr>
<tr><td>Teaching/Learning Methodology</td><td>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.</td></tr>
<tr><td>Assessment Methods in Alignment with Intended Learning Outcomes</td><td>
<table>
<tr><td rowspan="2">Specific assessment methods/tasks</td><td rowspan="2">% weighting</td><td colspan="6">Intended subject learning outcomes to be assessed (Please tick as appropriate)</td></tr>
<tr><td>a</td><td>b</td><td>c</td><td>d</td><td>e</td><td>f</td></tr>
<tr><td>1. Coursework</td><td>50 %</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td></tr>
<tr><td>2. Final Examination</td><td>50 %</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td></tr>
<tr><td>Total</td><td>100 %</td><td colspan="6"></td></tr>
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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 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 SCM, key characteristics of successful supply chains, impact of SCM principle on a firm's overall strategy, and the importance of information technologies. 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 pass this subject, students are required to obtain Grade D or above in BOTH the Continuous Assessment and Exam components.</td></tr>
<tr><td>Student Study Effort Expected</td><td>
<table>
<tr><td>Class contact:</td><td></td></tr>
<tr><td>• Lectures</td><td>26 Hrs.</td></tr>
<tr><td>• Tutorials</td><td>13 Hrs.</td></tr>
<tr><td>• Final exam</td><td>3 Hrs.</td></tr>
<tr><td>Other student study effort:</td><td></td></tr>
<tr><td>• Homework assignments and case studies</td><td>45 Hrs.</td></tr>
<tr><td>• Reading assignments</td><td>42 Hrs.</td></tr>
<tr><td>Total student study effort</td><td>129 Hrs.</td></tr>
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<tr><td>Reading List and References</td><td>Chopra, S., Supply Chain Management: Strategy, Planning and Operation, 7th edition, Pearson.

Simchi-Levi, D., Kaminsky, P. and Simchi-Levi, E., Designing and Managing the Supply Chain: Concepts, Strategies and Case Studies, 3rd edition, McGraw-Hill.</td></tr>
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