

The Hong Kong Polytechnic University

Subject Description Form

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| Subject Code | LGT4106 |
| Subject Title | Supply Chain Management |
| Credit Value | 3 |
| Level | 4 |
| Normal Duration | 1-semester |
| Pre-requisite / Co-requisite/ Exclusion | Nil |
| Objectives | <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> |
| Subject Learning Outcomes | <p>Upon completion of the subject, students will be able to:</p> <ol style="list-style-type: none"> Understand the strategic importance of supply chain management in improving a firm's competitive position in the marketplace; Identify the key characteristics of successful supply chains and how they differ from the traditional approaches; Gain insights into issues involved in the design, planning, and deployment of a supply chain. (BBA Outcome 11a) Evaluate the impact of supply chain management principle on a firm's overall strategy. Demonstrate an understanding on the importance of information technologies and analytics in the integration of supply chains. (BBA Outcome 11c) Gain fundamental skills for analyzing and managing a supply chain in an organization. (BBA Outcome 11a) <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> |
| Subject Synopsis/ Indicative Syllabus | <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> |

| <p>Teaching/Learning Methodology</p> | <p>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.</p> <p>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.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| <p>Assessment Methods in Alignment with Intended Learning Outcomes</p> | <table border="1" data-bbox="536 479 1500 857"> <thead> <tr> <th rowspan="2">Specific assessment methods/tasks</th> <th rowspan="2">% weighting</th> <th colspan="6">Intended subject learning outcomes to be assessed (Please tick as appropriate)</th> </tr> <tr> <th>a</th> <th>b</th> <th>c</th> <th>d</th> <th>e</th> <th>f</th> </tr> </thead> <tbody> <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></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:</p> <p>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 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.</p> <p>To reflect the significant technology content in this subject, 10% (or more) of the overall weighting of this subject is based on individual assessment concerning technology-related knowledge.</p> | | | | | | | | 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 % | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | a | b | c | d | e | f | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Coursework | 50 % | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. Final Examination | 50 % | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | 100 % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Student Study Effort Expected</p> | <table border="1" data-bbox="536 1404 1500 1794"> <tr> <td colspan="8">Class contact:</td> </tr> <tr> <td colspan="7">• Lectures</td> <td>26 Hrs.</td> </tr> <tr> <td colspan="7">• Tutorials</td> <td>13 Hrs.</td> </tr> <tr> <td colspan="8">Other student study effort:</td> </tr> <tr> <td colspan="7">• Homework assignments and case studies</td> <td>45 Hrs.</td> </tr> <tr> <td colspan="7">• Reading assignments</td> <td>42 Hrs.</td> </tr> <tr> <td colspan="7">Total student study effort</td> <td>129 Hrs.</td> </tr> </table> | | | | | | | | 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. |
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| • Homework assignments and case studies | | | | | | | 45 Hrs. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • Reading assignments | | | | | | | 42 Hrs. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| <p>Reading List and References</p> | <p>Chopra, S. (2019), <i>Supply Chain Management: Strategy, Planning and Operation</i>, 7th edition, Pearson.</p> <p>Simchi-Levi, D., Kaminsky, P. and Simchi-Levi, E. (2008), <i>Designing and Managing the Supply Chain: Concepts, Strategies and Case Studies</i>, 3rd edition, McGraw-Hill.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |