

The Hong Kong Polytechnic University

Subject Description Form

Subject Code	LGT3001
Subject Title	Logistics and Distribution Management
Credit Value	3
Level	3
Normal Duration	1-semester
Pre-requisite / Co-requisite/ Exclusion	Nil
Role and Purposes	<p>Logistics was originally a military term. Traditionally, logistics means the organised movement of goods, services, information and people from the point of origin to the point of consumption. The scope of logistics has been growing rapidly since the last few decades with the advance of technology. It has also been estimated that logistics costs account for one third of the cost of doing business. Effective logistics management is hence crucial for the success of the company. This course provides an introduction to logistics and distribution management and aims at <u>providing students with a full understanding of business logistics management, transport, inventory and distribution systems supported with real business case studies (Outcome 10). It includes the analysis of modern business logistics management strategies, and discusses how products and services are created and delivered to the customers effectively (Outcome 8).</u> Besides, the course covers the <u>management of the logistics system operations in this information era, and the effectively utilisation of the information technology concepts to gain a competitive advantage of the company (Outcome 6).</u></p>
Subject Learning Outcomes	<p>Upon completion of the subject, students will be able to:</p> <ol style="list-style-type: none">Analyse modern business logistics management strategies, and its significance and applications in the business world, so as to improve customer satisfaction.Manage the operations of the logistics systems in the information age, and effectively utilise the concepts learnt to gain a sustainable competitive advantage of the company. <p>Students are expected to be able to demonstrate a range of skills to solve logistics and distribution problems. These include:</p> <ol style="list-style-type: none">Critical thinking and analysis skills that include the capability to identify assumptions, evaluate statements, detect false logic and formulate problems.Problem solving skills including identifying, formulating and solving logistics and distribution problems.Communication skills include effective team playing, presentation and project management.

<p>Subject Synopsis/ Indicative Syllabus</p>	<p>Supply Chain Management</p> <p>Show the role of Supply Chain Management (SCM) and distribution channels in a firm's marketing strategy. Concepts of SCM and the types of channel structures. Channel design, development and performance measurement. Demonstrate the role of logistics in SCM.</p> <p>Customer Service</p> <p>Define customer service. Show the central role that customer service plays in an organisation's marketing and logistics efforts. How to calculate cost-revenue trade-offs. Identify opportunities for improving customer service performance.</p> <p>Information System and Technology</p> <p>Describe information systems as a combination of transaction, decision support, and communication systems. Describe the role of information system functionality, major modules and external interfaces of supply chain information systems. Discuss the enterprise integration and administration, enterprise operations, enterprise planning and monitoring, and communication technology applications.</p> <p>Inventory and Materials Management</p> <p>Basic concepts of inventory management. How to calculate safety stocks. How production policies influence inventory levels. How inventories and customer service levels are interrelated. How to manage the stock level by inventory decisions. Financial aspects of inventory strategy. Ways to recognise poor inventory management and improvement methods.</p> <p>Transportation</p> <p>Roles of transportation in logistics management. Transportation service pricing and contract terms. Describe alternative transport modes. Examine the issues of transportation cost and performance measurement. Concepts of intermodal transportation combinations and non-operating third parties.</p> <p>Materials Handling</p> <p>Overview of the various types of automated and non-automated materials handling systems. Examine the role of packaging in warehouse operation.</p> <p>Procurement</p> <p>Show the importance of procurement policy in improving profitability. Identify the procurement activities. Present issues in procurement cost management. Illustrate the role of partnering in supplier relationship management.</p>
<p>Teaching/Learning Methodology</p>	<p>Lectures are used to discuss the major theories of the subject. Case studies and small group discussions are carried out in tutorials. A term project which aims at exploring the logistics management issues in local industries is designed to let students apply what they have learnt in class to analyse real world cases.</p>

Assessment Methods in Alignment with Intended Learning Outcomes	Specific assessment methods/tasks	% weighting	Intended subject learning outcomes to be assessed (Please tick as appropriate)				
			a	b	c	d	e
	Continuous Assessment	50%	✓	✓	✓	✓	✓
	Final Examination	50%		✓	✓	✓	
	Total	100 %					
	<p>Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:</p> <p>The continuous assessment and final examination assess the students' understanding on the concepts of logistics and distribution management. The continuous assessment requires students to integrate knowledge and skills in logistics operations across a wide range of business domains and levels. The examinations also require students to think critically and creatively in order to solve business logistics problems.</p> <p><i>To pass this subject, students are required to obtain Grade D or above in BOTH the Continuous Assessment and Exam components.</i></p>						
Student Study Effort Expected	Class contact:						
	▪ Lecture		26 Hrs.				
	▪ Tutorial/Seminar		13 Hrs.				
	Other student study effort:						
	▪ Project Preparation		51 Hrs.				
	▪ Exam Preparation		36 Hrs.				
	Total student study effort		126 Hrs.				
Reading List and References	<p><u>Recommended Textbook</u></p> <p>Bowersox, D.J., Closs, D.J. and Cooper, M.B. (2013) <i>Supply Chain Logistics Management</i>. McGraw Hill: Singapore.</p> <p><u>References</u></p> <p>Coyle, J.J., Langley J.R., C.J., Novack, R.A. and Gibson, B.J. (2013), <i>Managing Supply Chains – A Logistics Approach</i>. South-Western: Canada.</p> <p>Grant, D. (2012), <i>Logistics Management</i>. Pearson: London.</p> <p>Murphy, P.R. and Wood, D.F. (2011), <i>Contemporary Logistics</i>, 10th Ed. Pearson Prentice Hall: New Jersey.</p>						