

The Hong Kong Polytechnic University

Subject Description Form

Subject Code	LGT4111
Subject Title	Special Topics in Operations Management
Credit Value	3
Level	4
Normal Duration	1-semester
Pre-requisite	LGT2106 Principles of Operations Management
Role and Purposes	<p>The purpose of this subject is to allow academic staff and visitors to present topics to students which need less than a full semester to give a satisfactory and sensible coverage. These topics are likely to be concerned with the current research interests of staff. It might not be appropriate to develop a full subject for such topics, but it is very appropriate that students should be aware of some of the current research in Operations Management and related areas (Outcome 3). The course provides techniques for improving service and manufacturing operations. It is likely that three sub-subjects, each of four to five weeks duration, will be up to full subjects.</p>
Subject Learning Outcomes	<p>Upon completion of the subject, students will be able to:</p> <ol style="list-style-type: none">Understand contemporary topics in operations management, and further trends and emerging criteria for effective operations of an organisation.Process a basic knowledge on particular research topics in operations management and prepare themselves for future challenges for more advanced applications/topics in operations management.Appreciate and assess appropriately the potential and applicability of new operations management methods and techniques.
Subject Synopsis/ Indicative Syllabus	Any topics related to contemporary operations management ideas, in both academic research and practice.
Teaching/Learning Methodology	The teaching and learning approach will depend on individual lecturers. Some may prefer to use the traditional lecture/seminar method, and some may prefer to use seminars with directed reading. The nature of this subject means that it is not appropriate to be prescriptive.

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		
	1. Continuous Assessment	50%	✓	✓	✓		
	2. Examination	50%	✓	✓	✓		
	Total	100 %					
<p>Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:</p> <p>Various methods, class assignments, tests within the Continuous Assessment and Examination are designed to ensure that all students taking this subject will be able to achieve the learning outcomes.</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:						
	▪ Lectures		26 Hrs.				
	▪ Tutorials		13 Hrs.				
	Other student study effort:						
	▪ Preparation for lectures and seminars		45 Hrs.				
	▪ Preparation for assignments/tests		42 Hrs.				
	Total student study effort		126 Hrs.				
Reading List and References	<u>References</u>						
	Jacobs, F.R. and Chase, R.B. (2014), <i>Operations and Supply Chain Management</i> (14 th ed.), McGraw-Hill, New York.						
	Lai, K.H. (2003), Market Orientation in Quality-oriented Organizations and its Impact on Their Performance, <i>International Journal of Production Economics</i> , Vol. 84, No. 1, pp. 17-34.						
	Lai, K.H. and Cheng, T.C.E. (2003), Initiatives and Outcomes of Quality Management Implementation across Industries, <i>OMEGA – The International Journal of Management Science</i> , Vol. 31, No. 2, pp. 141-154.						
	Stevenson, W.J. and Sum, C.C. (2014), <i>Operations Management</i> . 2 nd ed., McGraw-Hill, Singapore.						

	<p>Willborn, W.O. and Cheng, T.C.E. (1994), <i>Global Management of Quality Assurance Systems</i>, McGraw-Hill.</p> <p>Yeung, A.C.L., Chan, L.Y. and Lee, T.S. (2003), An Empirical Taxonomy on Quality Management Systems: A Study of the Hong Kong Electronics Industry, <i>Journal of Operations Management</i>, Vol. 21, No. 1, pp. 45-62.</p> <p>Yeung, A.C.L. and Chan, L.Y. (1999), Towards TQM for Foreign Manufacturing Firms Operating in Mainland China, <i>International Journal of Quality and Reliability Management</i>, Vol. 16, No. 8, pp. 756-782.</p> <p>Yeung, K., Zhou, H.G., Yeung, A.C.L. and Cheng, T.C.E. (2012), The impact of third-party logistics providers' capabilities on exporters' performance. <i>International Journal of Production Economics</i>, Vol. 135, No. 2, pp. 741-753.</p> <p>Yeung, K., Lee, P.K.C., Yeung, A.C.L. and Cheng T.C.E. (2013), Supplier partnership and cost performance: The moderating roles of specific investments and environmental uncertainty. <i>International Journal of Production Economics</i>, Vol. 144, No. 2, pp. 546-559.</p>
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