

1	UNIT TITLE	Applied Logistics and Supply Chain Management		
2	BRIEF SUMMARY	Designed to develop and apply techniques for failsafing, mitigation and recovery solutions for manufacturing and service logistics and supply chain management operations at all levels of activity.		
3	UNIT CODE NUMBER	5F4130		
4	HOME PROGRAMME	Masters Degrees Network Management and Business		
5	HOME DIVISION	Business Information Technology and Management Science		
6	SUBJECT AREA			
7	UNIT LEADER(S)	Dr Alan Carroll/Dr David Petty		
8	CREDIT VALUE	20	CREDITS AT LEVEL:	7
9	TOTAL AMOUNT OF STUDENT LEARNING (NOTIONAL HOURS OF LEARNING)	200		
10	UNIT STATUS	MANDATORY CORE: MSc Logistics and Supply Chain Management ELECTIVE: MSc Entrepreneurial Practice; MSc Management; MSc International Business Management; MSc Project Management		
11	PRE-REQUISITES			
12	CO-REQUISITES			
13	UNIT LEARNING OUTCOMES	<p>On successful completion of this unit students will be able to:</p> <ol style="list-style-type: none"> 1. Simulate the role of logistics and supply chain activity as part of a wider organisation operation; 2. Model appropriate enabling logistics systems and supply chains for particular tri-axial operations; 3. Produce conceptual models for operation of sustainable logistics and supply chain operations in the contemporary global context; 4. Planning and management of remedial projects for logistics failure 5. Leadership within group evaluation and design for logistics project implementation; 6. Creativity in developing and presenting innovative solutions to complex supply chain problems. 		
14	CURRICULUM OUTLINE	<ul style="list-style-type: none"> • Logistics management and customer service (the driving force of LSCM) • Time and accelerator effects (the leverage for competitive advantage) • Integrated communications for logistics networks (for flexible response) • Managerial structures and information flows (for system transparency) • Agility applications (perfect fulfilment) • Globalisation (management of change) • Sustainability (ethical, social and environmental accountability for LSCM) • Financial Issues (implications of logistics systems design) • Collaborative supply chain management (supplier/buyer relationships) • Value stream modelling(waste identification) • Reverse logistics and reverse supply chain design • The unit handbook will give the detailed content 		

15	LEARNING & TEACHING ACTIVITIES	Classroom based, directed study via WebCT Vista, Independent study via WebCT Vista, seminar and tutorial practical activities (individual & group), using simulations, gaming, network analysis and planning and design groups for real world cases in Business/HELP/MILOG operations. Autonomous research (individual & group) on selected topics. Real case comparator analysis. Master classes with industry experts.
16	ASSESSMENT STRATEGIES	<p>Summative assessment Group presentation of a selected case, analysis and application of key concepts to LSCM practice, 40%, learning outcomes 2,3,5,6 Closed book 3 hour examination 60%, learning outcomes 1,2,3,4,6</p> <p>Formative (diagnostic) assessment Seminar and tutorial, classroom based individual and group exercises and analytic modelling and simulation activities using a variety of media, where feedback will be given on student outcomes</p>
17	ASSESSMENT CRITERIA FOR UNIT/ELEMENTS OF ASSESSMENT	The unit will be assessed according to the generic programme criteria provided in the programme handbook.
18	INDICATIVE STUDENT LEARNING RESOURCES	<p>Key text Coyle, J.J. Bardi, E.J. Langley, C. (2003), The Management of Business Logistics-A Supply Chain Perspective, South- Western, Thomson Learning.</p> <p>MyMMU WebCT Vista</p> <p>Additional Reading Bozarth, C. & Handfield, R.B. (2005), Introduction to Operations & Supply Chain Management, Rugby, FT/Prentice Hall. Bicheno, J (2000) "Cause and Effect Lean-Lean Operations, Six Sigma, And Supply Chain Essentials", Buckingham: Picsie Books Crosby, Philip B. (1996) Quality Is Still Free, New York: McGraw-Hill Chase, R.B., Jacobs, R.F. Aquilano, N.J. (2006), Operations Management for Competitive Advantage, New York, McGraw-Hill International. Christopher, M. (2004), Logistics & Supply Chain Management: Creating Value-Adding networks, Rugby, FT/Prentice Hall. Fitzsimmons, J. & Fitzsimmons, M. (2002) Service Management- Operations Strategy and Information Technology, New York: McGraw-Hill Gattorna, John L. (2003), Gower Handbook of Supply Chain Management (5th ed.), Aldershot, Gower. Haksever, C. Render, B. Russell, R. & Murdick, R (2000), Service Management and Operations, 2nd Ed, London: Prentice Hall Harrison, A. (2008), Logistics Management and Strategy, Harlow, FT/Prentice Hall. Hill, Terry. (2002) Operations Management – Strategic Context and Analysis, Basingstoke: Palgrave. Johnston, R. & Clark, G. (2001) Service Operations Management, Harlow: FT/Prentice Hall Slack, N. Chambers, S. Johnston, R. Betts, A. (2006), Operations and Process Management: Principles and Practice for Strategic Impact, Harlow, FT Prentice Hall. Slack, N. Chambers, S. Johnston, R. (2006) Operations Management, Ed 5, Harlow, Pearson Education.</p>

		<p>Sutherland, J. & Canwell, D. (2004) Key Concepts in Operations Management, Basingstoke: Palgrave.</p> <p>Taylor, D. (1997), Global Cases in Logistics & Supply Chain Management, London, International Thomson Business Press.</p> <p>Taylor, D. & Brunt, D. (2001) Manufacturing Operations and Supply Chain Management, London: Thomson Learning</p> <p>Waller, D.L. (2003), Operations Management: a supply chain approach, London, Thomson Learning.</p> <p>Wild, R (2002) Operations Management, London: Continuum</p> <p>Journals</p> <p>Institute of Logistics & Transport, "International Journal of Logistics-Research and Applications", London: Taylor & Francis</p> <p>International Journal of Logistics Management.</p> <p>Chartered Institute of Logistics & Transport, "Logistics and Transport Focus", London: CILT</p> <p>International journal of Physical Distribution & Logistics Management.</p> <p>Institute of Operations Management, "Operations Management" Coventry: IOM</p> <p>International Purchasing & Supply Research and Education Association, "European Journal of Purchasing and Supply Management", Bath: Elsevier</p> <p>The European Operations Management Association, International Journal of Operations & Production Management, IJOPM, Bradford: MCB University Press.</p> <p>Websites</p> <p>The Chartered Institute of Logistics & Transport-www.iolt.org.uk</p> <p>The Chartered Institute of Purchasing and Supply-www.cips.org</p> <p>The Supply Chain Knowledge Centre Cranfield - www.sckc.info.</p> <p>The International Logistics network-www.logisticsnetwork.com</p> <p>The Institute of Operations Management www.iom@iomnet.</p> <p>Other Learning resources</p> <p>The McGraw-Hill Operations Management centres www.mhhe.com/pom</p> <p>The Council for Supply Chain Management http://www.cscmp.org/ Cranfield</p> <p>http://www.som.cranfield.ac.uk/som/research/centres/lscm/index.asp</p> <p>Harvard http://www.strategy-business.com/</p> <p>http://www9.sap.com/index.epx</p>
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19	ANY ADDITIONAL NOTES AND COMMENTS	<p>Successful completion of this unit and the MSc will offer full exemption from the professional qualification requirements for the Chartered Institute of Logistics UK. Partial exemptions from the professional qualification requirements of The Chartered Institute of Purchasing and Supply UK, and the Institute of Operations Management UK. Students taking this Unit may apply for student membership of the professional Institute(s). PRIDE integrated.</p>
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20	DATE OF APPROVAL	April 2008
21	DATE OF MOST RECENT CONSIDERATION:	