

DEREE COLLEGE SYLLABUS FOR:					
MG 4242 SUPPLY CHAIN MANAGEMENT (same as LM 4242) (Revised: Spring 2015)		Level: 6 UK Credits: 15 US Credits: 3/0/3			
PREREQUISITES:	MA 1108 College Algebra MA 2021 Applied Statistics				
CATALOG DESCRIPTION:	Design and management of complex supply chain systems. A systems approach to the management of the activities involved in physically moving raw materials, in-process and finished-goods inventories from point of origin to point of use or consumption. Supply chain management and emerging information technologies.				
RATIONALE:	Over the past 30 years, supply chain management has evolved to a function that may generate significant cost savings and lead to sustainable competitive advantage through to customer satisfaction and increased sales. Focusing on planning, organizing and controlling the supply chain activities, with special emphasis on strategic decision-making as part of the management process in the global environment, is necessary to help assure efficient operations and competitive advantage.				
LEARNING OUTCOMES:	As a result of taking this module, the student should be able to: <ol style="list-style-type: none"> 1. Explain the role of supply chain management in a customer-oriented society. (analysis) 2. Analyze contemporary theories, practices and challenges in supply chain management, and assess their implications on organizational performance. (analysis, evaluation) 3. Analyze and evaluate inventory management, transportation, purchasing and materials control activities and processes in the strategic business setting. (application, analysis, evaluation) 				
METHOD OF TEACHING AND LEARNING:	In congruence with the teaching and learning strategy of the college, the following tools are used: <ul style="list-style-type: none"> ➤ Classes consist of lectures, discussions, collaborative in-class small projects. Throughout the lectures students develop knowledge and understanding related to the subject content. Discussions and collaborative in-class small projects reinforce students' cognitive and key transferable skills. ➤ Office Hours: Students are encouraged to make full use of the office hours of their instructor in order to consult and discuss issues related to the course's content. ➤ Use of blackboard site, where instructors post lecture notes, assignments instructions, timely announcements, as well as additional resources. 				
ASSESSMENT:	<table border="1"> <tr> <td>Coursework - formative</td> <td>0%</td> <td>diagnostic test, case studies and problem-</td> </tr> </table>		Coursework - formative	0%	diagnostic test, case studies and problem-
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	<table><tr><td></td><td></td><td>solving exercises</td></tr><tr><td>Written project – summative</td><td>40%</td><td>Individual; 1,800-2,200 words</td></tr><tr><td>Final examination (2-hour, essay type) - summative</td><td>60%</td><td>Essay-type, problem-solving</td></tr></table> <p>The formative assessments aim to prepare students for the summative assessments.</p> <p>The written project tests Learning Outcome 3.</p> <p>The final examination tests Learning Outcomes 1 and 2.</p>			solving exercises	Written project – summative	40%	Individual; 1,800-2,200 words	Final examination (2-hour, essay type) - summative	60%	Essay-type, problem-solving
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Written project – summative	40%	Individual; 1,800-2,200 words								
Final examination (2-hour, essay type) - summative	60%	Essay-type, problem-solving								
INDICATIVE READING LIST:	<p>REQUIRED MATERIAL:</p> <ul style="list-style-type: none">Chopra S., Meindl P.: Supply Chain Management. Pearson Higher Education, latest Global edition. <p>RECOMMENDED READING:</p> <ul style="list-style-type: none">Lambert, Stock, Ellram: <u>Fundamentals of Logistics Management</u>. McGraw-Hill, latest edition.Bowersox, D., Closs, D., Cooper M.B.: <u>Supply Chain Logistics Management</u>. McGraw-Hill, latest edition.Kuglin F. A.: <u>Customer-Centered Supply Chain Management</u>. Amacom, 1998, ISBN 0-8144-0408-1.Jacobs F.R., Chase R.B.: <u>Operations and Supply Chain Management</u>, McGraw-Hill/Irwin International Edition, 2010, ISBN 0-07-128804-XTirole, J. (1997) <u>The Theory of Industrial Organization</u>, Cambridge, MA, The MIT Press, 1997.Wisner, J.D., Tan, K.-C., and Leong, G. K. (2016). “Principles of Supply Chain Management: A Balanced Approach”, 4th ed., Cengage Learning, ISBN-13: 9781285428314 / ISBN-10: 1285428315 <p>ARTICLES:</p> <ul style="list-style-type: none">Arzu Akyuz, G., & Erman Erkan, T. (2010). Supply chain performance measurement: A literature review. <i>International Journal of Production Research</i>, 48(17), 5137-5155.Christopher, M., & Ryals, L. J. (2014). The Supply Chain Becomes the Demand Chain. <i>Journal of Business Logistics</i>, 35(1), 29-35.Lichocik, G., & Sadowski, A. (2013). Efficiency of supply chain management. Strategic and operational approach. <i>Logforum</i>, 9(2), 119-125.Jordan, W. C., & Graves, S. C. (1995). Principles on the Benefits of Manufacturing Process Flexibility. <i>Management Science</i> 41, 577–594.Kristal, M.M., Huang, X. & Roth, A.V. (2010). The effect of an ambidextrous supply chain strategy on combinative competitive capabilities and business performance. <i>Journal of Operations Management</i>, Vol. 28 No. 5, pp. 415-429Shi, M. & Yu, W. (2013), Supply chain management and financial performance: literature review and future directions, <i>International Journal of Operations & Production Management</i>, Vol. 33 No. 10, pp. 1283-131.Ahi, P. & Searcy, C. (2013), A comparative literature analysis of									

definitions for green and sustainable supply chain management. *Journal of Cleaner Production*, Vol. 52 No. 1, pp. 329-341.

- Steinfield, C., Markus, M., & Wigand, R. T. (2011). Through a Glass Clearly: Standards, Architecture, and Process Transparency in Global Supply Chains. *Journal of Management Information Systems*, 28(2), pg. 75-108.
- Linton, J. D., Klassen, R., & Jayaraman, V. (2007). Sustainable supply chains: An introduction. *Journal of Operations Management*, Vol. 25 Issue 6, p1075-1082. DOI: 10.1016/j.jom.2007.01.012.
- Chen, I. J., & Paulraj, A. (2004). Towards a theory of supply chain management: the constructs and measurements. *Journal of Operations Management*, Vol. 22 Issue 2, p119-130. DOI: 10.1016/j.jom.2003.12.007.
- Vickery, S. K., Jayaram, J., Droge, C., & Calantone, R. (2003). The effects of an integrative supply chain strategy on customer service and financial performance: an analysis of direct versus indirect relationships. *Journal of Operations Management*, Vol. 21 Issue 5, p523. 17p. DOI: 10.1016/j.jom.2003.02.002.
- Frohlich, M. T., & Westbrook, R., (2001). Arcs of integration: an international study of supply chain strategies. *Journal of Operations Management*, Vol. 19 Issue 2, p185-200.
- Lee, H. L. So, K. C., & Tang, C. S. (2000) The Value of Information Sharing in a Two-Level Supply Chain. *Management Science*. Vol. 46 Issue 5, p626-643.
- Cachon, G. P. (2004) The Allocation of Inventory Risk in a Supply Chain: Push, Pull, and Advance-Purchase Discount Contracts. *Management Science*, Vol. 50 Issue 2, p222-238. DOI: 10.1287/mnsc.1030.0190.
- Cachon, G. P., & Lariviere, M. A. (2005). Supply Chain Coordination with Revenue-Sharing Contracts: Strengths and Limitations. *Management Science*, Vol. 51 Issue 1, p30-44. DOI: 10.1287/mnsc.1040.0215.
- Guide Jr., V. D. R., & Van Wassenhove, L. N. (2009). The Evolution of Closed-Loop Supply Chain Research. *Operations Research*, Vol. 57 Issue 1, p10-18.

JOURNALS

- Business Process Management Journal
- Harvard Business Review
- International Journal of Logistics Management
- International Journal of Operations and Production Management
- International Journal of Physical Distribution and Material Flow
- International Journal of Productivity and Performance Management
- International Journal of Quality and Reliability Management
- International Journal of Retail and Distribution Management
- International Journal of Service Industry Management

	<ul style="list-style-type: none"> • Journal of Business Logistics • Logistics Today • Strategic Management Journal
COMMUNICATION REQUIREMENTS:	Assignments presented in Word. Use of proper English, both oral and written.
SOFTWARE REQUIREMENTS:	Blackboard, MS Office, search engines
WWW RESOURCES:	<p>Students are expected to use the internet at their own discretion to select information on the module. Useful sources include:</p> <p> www.napm.org (National Association of Purchasing Management, NAPM) www.itsa.org (Intelligence Transportation Society America) www.clml.org (Council of Logistics Management) www.logisticsworld.com www.logistics-management.gr www.logisticsonline.com www.ReutersBusinessInsight.com/login.asp www.Capterra.com cleartrack.mobi/content/global_logistics_management.html www.kmtbrrr.com/index.php?option=com_content&task=view&... www.spitrans.com/services/logistics-management.asp www.leanrapid.com/supplychain/logistics_management.asp supplychainlogisticsmanagement.org www.jobisjob.com/logistics+management+specialist/jobs www.lmslogistics.com/awards.asp www.securitypackaging.com/reverse-logistics-management.php jobs.yakaz.com/logistics-management-specialist-resume ezinearticles.com/?Reap-The-Benefits-Of-Logistics... www.getlogisticsmanagementjobs.com </p>
INDICATIVE CONTENT:	<ol style="list-style-type: none"> 1. Understanding the Supply Chains 2. Strategic Fit and Scope of Supply Chain 3. Supply Chain Drivers and Metrics 4. Supply Chain Networks 5. Demand Forecasting 6. Inventory Systems Management 7. Planning in Supply Chains 8. Transportation Networks 9. Sourcing 10. Pricing and Revenue Management 11. Informations Systems