

<b>DEREE COLLEGE SYLLABUS FOR: LM 4242 SUPPLY CHAIN MANAGEMENT</b>	
(Previously MG 4242 Supply Chain Management – L6)	
(Updated Fall 2021)	
<b>UK LEVEL: 6</b> <b>UK CREDITS: 15</b> <b>US CREDITS: 3/0/3</b>	
<b>PREREQUISITES:</b>	MA 1008 College Algebra MA 2021 Applied Statistics
<b>CATALOG DESCRIPTION:</b>	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. Emerging information technologies.
<b>RATIONALE:</b>	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.
<b>LEARNING OUTCOMES:</b>	As a result of taking this module, the student should be able to: <ol style="list-style-type: none"> <li>1. Explain the role of supply chain management in a customer-oriented society.</li> <li>2. Analyze contemporary theories, practices and challenges in supply chain management, and assess their operational and ethical implications on organizational performance.</li> <li>3. Analyze and evaluate inventory management, transportation, purchasing and materials control activities and processes in the strategic business setting.</li> </ol>
<b>METHOD OF TEACHING AND LEARNING:</b>	In congruence with the teaching and learning strategy of the college, the following tools are used: <ul style="list-style-type: none"> <li>➤ Classes consist of lectures, discussions, collaborative in-class small projects.</li> <li>➤ Partnership with a company that briefs the students about a real logistics and supply chain-oriented scenario; students work on this 'live project' in teams.</li> </ul>

- 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 platform, where instructors post lecture notes, assignments instructions, timely announcements, as well as additional resources.

<b>ASSESSMENT:</b>	<b>Summative:</b>	
	First Assessment: Written project (group 4,000-4,500 words, presentation)	<b>60%</b>
	Final Assessment: Written examination (Essay-type questions and problems)	<b>40%</b>
	<b>Formative:</b>	
Coursework - one in-class diagnostic examination and case study analyses	<b>0%</b>	
<p>The formative assessments aim to prepare students for the summative assessments.</p> <p>The written project tests Learning Outcome 3. The final examination tests Learning Outcomes 1 and 2.</p> <p>Students are required to resit failed assessments in this module.</p>		

<b>INDICATIVE READING:</b>	<p><b>REQUIRED MATERIAL:</b> Chopra S.: Supply Chain Management. Pearson, latest Global edition.</p> <p><b>RECOMMENDED MATERIAL:</b></p> <p><b>BOOKS:</b> Chapman, S.N., Arnold, J.R.T., Gatewood, A.K., and Clive, L.M. (2017), <i>Introduction to Materials Management</i>, 8<sup>th</sup> edition, Pearson.</p> <p>DeSmet, B. (2018), <i>Supply Chain Strategy and Financial Metrics the Supply Chain Triangle of service, cost and cash</i>, Kogan Press.</p> <p>Jacobs F.R., Chase R.B. (2018), <i>Operations and Supply Chain Management</i>, 15<sup>th</sup> edition, McGraw-Hill.</p> <p><b>ARTICLES:</b> Birkel, H. and Hartmann, E. (2019), "Impact of IoT challenges and risks for SCM", <i>Supply Chain Management</i>, Vol. 24 No. 1, pp. 39-61</p>
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Braziotis, C., Rogers, H. and Jimo, A. (2019), "3D printing strategic deployment: the supply chain perspective", *Supply Chain Management*, Vol. 24 No. 3, pp. 397-404.

Calatayud, A., Mangan, J. and Christopher, M. (2019), "The self-thinking supply chain", *Supply Chain Management*, Vol. 24 No. 1, pp. 22-38.

Christopher, M., & Ryals, L. J. (2014), "The Supply Chain Becomes the Demand Chain". *Journal of Business Logistics*, 35(1), 29-35.

Cole, R., Stevenson, M. and Aitken, J. (2019), "Blockchain technology: implications for operations and supply chain management", *Supply Chain Management*, Vol. 24 No. 4, pp. 469-483.

Fosso Wamba, S., Gunasekaran, A., Papadopoulos, T. and Ngai, E. (2018), "Big data analytics in logistics and supply chain management", *International Journal of Logistics Management, The*, Vol. 29 No. 2, pp. 478-484.

Gligor, D., Bozkurt, S., Russo, I. and Omar, A. (2019), "A look into the past and future: theories within supply chain management, marketing and management", *Supply Chain Management*, Vol. 24 No. 1, pp. 170-186.

Gligor, D., Gligor, N., Holcomb, M. and Bozkurt, S. (2019), "Distinguishing between the concepts of supply chain agility and resilience", *International Journal of Logistics Management, The*, Vol. 30 No. 2, pp. 467-487.

Heaslip, G. and Kovács, G. (2019), "Examination of service triads in humanitarian logistics", *International Journal of Logistics Management, The*, Vol. 30 No. 2, pp. 595-619.

Linton, J. D., Klassen, R., & Jayaraman, V. (2007). "Sustainable supply chains: An introduction". *Journal of Operations Management*, Vol. 25 No. 6, pp. 1075-1082.

Raman, S., Patwa, N., Niranjana, I., Ranjan, U., Moorthy, K. & Mehta, A. (2018), "Impact of big data on supply chain management", *International Journal of Logistics Research and Applications*, Vol. 21 No 6, pp. 579-596.

Sarkis, J. (2020), "Supply chain sustainability: learning from the COVID-19 pandemic", *International Journal of Operations & Production Management*, Vol. 41 No. 1, pp. 63-73.

Whitehead, K., Zacharia, Z. and Prater, E. (2019), "Investigating the role of knowledge transfer in supply chain collaboration", *International Journal of Logistics Management, The*, Vol. 30 No. 1, pp. 284-302.

<p><b>INDICATIVE MATERIAL:</b></p> <p>(E.g. audiovisual, digital material, etc.)</p>	<p><b>REQUIRED MATERIAL: N/A</b></p> <p><b>RECOMMENDED MATERIAL: N/A</b></p>
<p><b>COMMUNICATION REQUIREMENTS:</b></p>	<p>Use of appropriate academic conventions as applicable in oral and written communications.</p>
<p><b>SOFTWARE REQUIREMENTS:</b></p>	<p>MS Office</p>
<p><b>WWW RESOURCES:</b></p>	<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  www.itsa.org  www.clml.org  www.logisticsworld.com  www.logistics-management.gr  www.logisticsonline.com  www.ReutersBusinessInsight.com/login.asp  www.Capterra.com  www.kmtbrrr.com/index.php?option=com_content&amp;task=view&amp;...  www.spitrans.com/services/logistics-management.asp  www.leanrapid.com/supplychain/logistics_management.asp  www.jobisjob.com/logistics+management+specialist/jobs  www.lmslogistics.com/awards.asp  www.securitypackaging.com/reverse-logistics-management.php  www.getlogisticsmanagementjobs.com</p>
<p><b>INDICATIVE CONTENT:</b></p>	<ol style="list-style-type: none"> <li>1. Understanding the Supply Chains</li> <li>2. Achieving Strategic Fit in a SC</li> <li>3. Supply Chain Drivers and Metrics</li> <li>4. Ethical Supply Chains</li> <li>5. Designing the SC Network</li> <li>6. Demand Forecasting</li> <li>7. Inventory Systems Management</li> <li>8. Transportation in a SC</li> <li>9. Sourcing decisions</li> <li>10. Pricing and Revenue Management</li> <li>11. Sustainability and the SC</li> <li>12. Information Technology in a SC</li> </ol>