MGMT90122 Supply Chain Analysis

Credit Points:	12.50
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2010, Parkville This subject commences in the following study period/s: Semester 1, Parkville - Taught on campus. Semester 2, Parkville - Taught on campus. Please see www.mccp.unimelb.edu.au for delivery details.
Time Commitment:	Contact Hours: 24 hours of lectures/seminars/workshops Total Time Commitment: Estimated total time commitment of 120 hours..
Prerequisites:	nil
Corequisites:	nil
Recommended Background Knowledge:	nil
Non Allowed Subjects:	nil
Core Participation Requirements:	For the purposes of considering requests for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for this subject are articulated in the Subject Description, Subject Objectives, Generic Skills and Assessment Requirements of this entry. The University is dedicated to provide support to those with special requirements. Further details on the disability support scheme can be found at the Disability Liaison Unit website: http://www.services.unimelb.edu.au/disability/
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Subject Overview:	This subject will introduce students to analytical tools that can be used to solve supply chain problems. These problems will relate to the major drivers of supply chain performance, these being location of facilities, levels of inventory, transportation networks and information exchanges. Typical examples of problems will include: designing the supply chain distribution network; planning demand and supply in a supply chain; and, planning and managing inventories in a supply chain. The analytical tools used to solve each of the problems will be illustrated with their application in computer software packages such as Microsoft Excel. In the discussion of these tools, the managerial context in which they are used and the managerial levers for improvement that they support will be stressed. The design of supply networks, transport optimisation systems and distribution centres will be considered from an analytic perspective.
Objectives:	At the completion of the subject, students should have the: • Ability to analyse supply chain characteristics • Knowledge of how inventory dynamics impact on supply chain effectiveness • Understanding of cost factors and drivers such as warehouse location • Knowledge of transport planning and routing methods and ability to apply these
Assessment:	20% - 1 hour exam, completed on the final day of delivery30% - 1,500 word assignment, due four weeks after the delivery50% - 3,000 word field project, due eight weeks after the delivery
Prescribed Texts:	nil

Recommended Texts:	nil
Breadth Options:	This subject is not available as a breadth subject.
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Generic Skills:	On successful completion of this subject students should have enhanced their skills in: • Ethical behaviour in leadership and organisations • Analysis and problem solving in relation to Supply Chain Management • Capacity for intellectual curiosity, creativity and independent thought • Communication of key ideas and theories within the discipline areas • Capacity for effective teamwork and collaboration • Information retrieval and application in relation to practical problems
Links to further information:	www.mccp.unimelb.edu.au
Related Course(s):	Master of Supply Chain Management