Supply chain information and decision technology 780 (BCI 780)

Qualification	Postgraduate
Faculty	Faculty of Engineering, Built Environment and Information Technology
Module credits	16.00
NQF Level	08
Prerequisites	No prerequisites.
Contact time	24 contact hours
Language of tuition	Module is presented in English
Department	Industrial and Systems Engineering
Period of presentation	Semester 1 or Semester 2

Module content

Information technology is an important enabler of effective supply chain management, typically spanning the extended value chain from suppliers to customers. The timeliness and availability of relevant information are critical when applying supply chain strategies that increase service levels of and reduce cost and lead times. Value-added IT-based services are increasingly used to differentiate and develop relationships with customers. The objective of the course is to develop a sound understanding of components and priorities IT investment to enable supply chain integration and efficiency, the impact of business process change on IT implementation and selection of decision support systems.
• The Value of Information
• Leveraging Financial Information
• Advanced Supply Chain Planning and Execution
• Decision Support Systems
• IT Capabilities for Supply Chain Excellence
• Enterprise Resource Planning Systems
• Advanced Planning and Scheduling Systems
• Identification Technology
• Integrating Supply Chain IT

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