

明志科技大學工業工程與管理系（研究所）課程綱要表

課程名稱：(中文) 供應鏈管理 (英文) Supply Chain Management				開課單位	工業工程與管理系
				課程代碼	
授課教師：張秉裕					
學分數	3	必/選修	<input type="checkbox"/> 必修 <input checked="" type="checkbox"/> 選修	開課年級	一年級
先修科目或先備能力：生產管理					
課程概述與目標： Fierce competition in today’s global market, the introduction of products with shorter and shorter life cycles, and the heightened expectations of customers have forced business enterprises to invest in, and focus on, their supply chains. This class will introduce supply chain management with classic and new case studies, numerous examples, and technical issues (i.e. mathematical programming). Students involved in this class are expected to understand the ideas of implementing supply chain management, to design logistic networks, and to understand strategies of alliances. Basic inventory management, operation research, and network skills are required for taking this class.					
教科書	1. Designing & Managing the Supply Chain: Concepts, Strategies & Case Studies, 2nd edition, Simchi-Levi, D., P. Kaminsky, and E. Simchi-Levi, Mcgraw-Hill, New York. 2. Supply Chain Management: Strategy, Planning and Operation, Chopra, S. and P. Meindl, Prentice Hall Inc. 3. Course papers will be distributed in class				
參考書	1. Facility Layout and Location: An Analytical Approach, 2nd edition, R.L. Francis, L.F. McGinnis, and J.A. White, Prentice Hall, 1992 2. Facilities Planning, 2nd edition, J.A. Tompkins et al., John Wiley & Sons, Inc., New York, 1996. 3. Logistics Engineering and Management, 4th edition, Blanchard, B.S., Prentice Hall, Englewood Cliffs, NJ 4. Logistics and Supply Chain Management: Strategies for Reducing Cost and Improving Service, 2nd edition, Christopher, M, Prentice Hall, Englewood Cliffs, NJ 5. Supply Chain Redesign: Transforming Supply Chains into Integrated Value Systems, Handfield, R.B. and E.L. Nichols Jr., Prentice Hall, Englewood Cliffs, NJ.				
課程綱要				對應之學生核心能力	
單元主題	內容綱要				

Logistics network	<ul style="list-style-type: none"> ● Planar Single Facility Location Problems ● Planar Multiple Facility Location Problems ● Discrete Location; Quadratic Assignment Problem ● Storage and Distribution System Layout Design ● Dynamic Facility Location Problems ● Competitive Facility Location Problems 	<input checked="" type="checkbox"/> 專業知識 <input type="checkbox"/> 國際視野 <input checked="" type="checkbox"/> 邏輯思考 <input checked="" type="checkbox"/> 自主學習 <input type="checkbox"/> 規劃統整
Third Party Logistics	<ul style="list-style-type: none"> ● Introduction ● Intergation 	<input checked="" type="checkbox"/> 專業知識 <input checked="" type="checkbox"/> 國際視野 <input checked="" type="checkbox"/> 邏輯思考 <input checked="" type="checkbox"/> 自主學習 <input type="checkbox"/> 規劃統整
Inventory management and risk pooling	<ul style="list-style-type: none"> ● Information ● Inventory Management ● Risk Pooling 	<input checked="" type="checkbox"/> 專業知識 <input type="checkbox"/> 國際視野 <input checked="" type="checkbox"/> 邏輯思考 <input checked="" type="checkbox"/> 自主學習 <input type="checkbox"/> 規劃統整
Supply chain integration	<ul style="list-style-type: none"> ● Strategic alliances ● Procurement and outsourcing ● International issues ● Coordinated product and supply chain design 	<input checked="" type="checkbox"/> 專業知識 <input type="checkbox"/> 國際視野 <input checked="" type="checkbox"/> 邏輯思考 <input checked="" type="checkbox"/> 自主學習 <input type="checkbox"/> 規劃統整
IT for supply chain management	<ul style="list-style-type: none"> ● DSS for supply chain management 	<input checked="" type="checkbox"/> 專業知識 <input checked="" type="checkbox"/> 國際視野 <input checked="" type="checkbox"/> 邏輯思考 <input checked="" type="checkbox"/> 自主學習 <input checked="" type="checkbox"/> 規劃統整

教學要點概述：

- E化教學平台網址：<http://elearning.mcut.edu.tw/>
- 教學方法：☒理論講授、☐實務講授、☒個案分析、☐遠距教學、☐分組討論
- 評量方法：☒考試、☐作業、☐實作、☒報告、☒口試、☐問卷
- 本課程與教育目標相關者：
 - ☒培養學生具備工業工程與管理的專業知識與技能。
 - ☒培養學生具備獨立分析、整合與問題解決能力。
 - ☒培養學生具備規劃、溝通合作與執行管理能力。
 - ☐培養學生具備人文關懷、倫理素養與國際視野。
 - ☒培養學生持續學習的習慣與能力。