

朝陽科技大學 097學年度第1學期教學大綱
Production and Operations Management 生產與作業管理

當期課號	3094	Course Number	3094
授課教師	廖光裕	Instructor	Liao,Kuang Yu
中文課名	生產與作業管理	Course Name	Production and Operations Management
開課單位	企業管理系(二進)四A	Department	
修習別	必修	Required/Elective	Required
學分數	3	Credits	3
課程目標	<p>企業追求成長及競爭優勢，管理生產與作業能力是很關鍵的一件事，修習本課程可以學習到組織如何有效管理生產與作業資源的活動，其中包含設計、規劃、執行及控制產品或服務於生產與作業時所需的原物料、人力資源、設備、設施、能源及方法的管理系統。此外不論是製造業或是服務業，最重要的是管理其實際的產出如產品及或服務，故學生透過本課程學習亦可以瞭解如何很有效能與效率的做對的事與將這些事做好。</p>	Objectives	<p>The purpose of operations management is to create a competitive advantage for manufacture and service operators in the market place by conveying a set of knowledge, skills and tools. The objective of this course is to cover production and operations management, including MRP, JIT, forecasting, supply chain management, resource and capacity planning, inventory and material management, and scheduling. Each student will be able to recognize the appropriate methods and procedures of operations management and how organizations use these to improve efficiency and effectiveness of the operations systems.</p>
教材	<p>採用書籍: 傅和彥,生產與作業管理：建立產品與服務標竿,前程文化事業有限公司,2008年五版 參考書籍: 1.李友錚，作業管理：創造競爭優勢,前程文化事業有限公司,2007年三版 2.W. J. Stevenson, Operations Management, McGraw Hill, 9/e, 2007. 3.R. B. Chase, N. J. Aquilano, and R. Jacobs, Operations Management for Competitive Advantage, McGraw Hill, 11/e, 2005. 4.B. J. Finch, OperationsNow.com-Process, Value, and Profitability, McGraw Hill, 2003. 5.L. J. Krajewski and L. P. Ritzman, Operations Management, Prentice Hall, 8/e, 2006. 6.J. Heizer and B. Render, Operations Management, Prentice Hall, 9/e, 2007.</p>	Teaching Materials	<p>Used books: He-Yan Fu,Production and Operations Management : Building Product and Service Benchmark,Future Publishing,fifth edition,2008. Reference books: 1.You-Zheng Li,Operations management: Create the competition advantage,Future Publishing,third edition,2007. 2.W. J. Stevenson, Operations Management, McGraw Hill, 9/e, 2007. 3.R. B. Chase, N. J. Aquilano, and R. Jacobs, Operations Management for Competitive Advantage, McGraw Hill, 11/e, 2005. 4.B. J. Finch, OperationsNow.com-Process, Value, and Profitability, McGraw Hill, 2003. 5.L. J. Krajewski and L. P. Ritzman, Operations Management, Prentice Hall, 8/e, 2006. 6.J. Heizer and B. Render, Operations Management, Prentice Hall, 9/e, 2007.</p>
成績評量方式	<p>期中測驗:30% 期末分組報告:40% 個案討論:20% 出勤率:10%</p>	Grading	<p>Midterm Test:30% Final Subject report:40% Case Study:20% Class Participation:10%</p>
教師網頁	-		
	<p>1.生產與作業管理概說,競爭力與生產／作業策略,預測,產品與服務設計 2.產能規劃,製程選擇與設施佈置,工作系統設計,地點規劃 3.品質管理,存量管制：獨立需求的存量管制系統,總合規劃,物料需求規劃、製造資源規劃與企業資源規劃 4.剛好及時生產系統,日程安排,供應</p>		<p>1.Introduction to Production and Operations Management,Competitiveness & Production/ Operations Strategy,Forecasting,Product and Service Design 2.Capacity Planning,Process Selection & Facilities Layout,Job</p>

<p>教學內容</p>	<p>鏈管理,專案日程管理</p>	<p>Syllabus</p> <p>System Design ,Location Planning 3.Quality Management,Inventory Control: Inventory Control System for Independent Demand,Aggregate Planning ,Material Requirements Planning, Production Resources Planning, and Enterprise Resources Planning 4.Just-In-Time Production System,Scheduling,Supply Chain Management,Project Scheduling Management</p>
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