朝陽科技大學 096學年度第2學期教學大綱
Production and Operations Management 生產與作業管理

當期課號	3138	**Course Number**	3138
授課教師	周中理	**Instructor**	CHOU,CHUNG LI
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(四進)二A	**Department**	
修習別	必修	**Required/Elective**	Required
學分數	3	**Credits**	3
課程目標	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。	**Objectives**	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 effectives of the operations systems.
教材	1.張保隆等著(2006), 生產管理, 三版, 華泰. 2.Stevenson, W.J. (2005), “Introduction to Operations Management”, First Edition, McGraw Hill.	**Teaching Materials**	1.Pao-Long Chang, et al.(2006), Production Management, 3th edition, Taipei: Hwa Tai Publishing. 2.Stevenson, W.J. (2005), “Introduction to Operations Management”, First Edition, McGraw Hill.
成績評量方式	1.課堂出席,個案研討以及讀書報告成績 :50% 2.期中與期末測驗:50%	**Grading**	1.Class Participation, Case Study and Term Papers:50% 2.Midterm Test and Final Test:50%
教師網頁	_		
教學內容	授課主要內容: 1. 基本概念, 生產/作業策略, 品質管理,產品設計 2. 預測,製程規劃,產能規劃與生產系統維護 3. 工作設計,工作衡量與生產技術 4. 廠址選擇,設施佈置與生產計劃 5. 物料管理/SCM,資源需求規劃, JIT與IT在生產與作業管理的運用 6. 生產作業控制,生產績效衡量	**Syllabus**	1.introduction, production/operations strategy, quality management and product design and development 2.forecasting, process planning, capacity planning and maintenance in production system Weeks 3.job design, work measurement and production technology Weeks 4.location decisions, facilities layout and production planning 5.material management/SCM, ERP, JIT and ePOM 6.production control and performance