朝陽科技大學 095學年度第1學期教學大綱
Production and Operations Information Systems 生產與作業資訊系統

當期課號	2303	Course Number	2303
授課教師	陳宏益	Instructor	CHEN,HUNG YI
中文課名	生產與作業資訊系統	Course Name	Production and Operations Information Systems
開課單位	資訊管理系(四日)三A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	本課程將介紹製造業與服務業的生產與作業資訊管理與實務。主要內容將包括: 1. 生產與作業資訊管理理論介紹 2. 企業現代化與再造 3. 生產與作業管理資訊系統實務: ERP製造系統模組(Oracle)介紹與實作。	Objectives	Main contents include: 1. Introduction to Production and Operations Information Management 2. E-Business and Reengineering 3. Lab: ERP Systems Production Modules (Oracle, Workflow ERP)
教材	Lecture notes	Teaching Materials	Lecture notes
成績評量方式	學生行爲舞弊者, 期末成績以不及格計 請準時繳交作業 課堂參與 10% 小考 20% 期中考 30% 期末考 40%	Grading	Cheating will make you fail in this course. No late homework will be accepted. No plagiarised homework will be accepted. Grading: Participating: 10% Quizzes: 20% Midterm exam: 30% Final exam: 40%
教師網頁			
教學內容	本課程將教授製造資源系統(MRPII)的架構及內容. 學生將會瞭解MRPII中的各個模組及模組間的關係. 這些模組包括: Bill of Material (BOM), Sales and Operation Planning (S&OP), Demange Management (DM), Master Production Schedule (MPS), Material Requirements Planning (MRP), Capacity Requriements Planning (CRP), Shor Floor Control (SFC), and so on. 本課程適合任何對MRPII有興趣的學生. 但是, 建議學生先修生產與作業管理課程, 將可對課程內容有較好的理解.	Syllabus	The course is designed based on the framework of the manufacturing resource planning (MRP II). The course will introduce modules in MRP II and their relationships. These modules include: Bill of Material (BOM), Sales and Operation Planning (S&OP), Demange Management (DM), Master Production Schedule (MPS), Material Requirements Planning (MRP), Capacity Requriements Planning (CRP), Shor Floor Control (SFC), and so on. At the end of this course, you will understand the concepts and main modules in the manufacturing resources planning (MRPII). Anyone who interests in learning about the production information system can enroll the course. But, students are suggested to take the course: introduction to operation and production management (4030) before taking the course. Topics include: Introduction to production environment; MRPII framework; Engineering and BOM; Sales and Operation Planning (S&OP); Demand management (DM); Master Production Schedule (MPS);

			Material Requirements Planning (MRP); Capacity Requirements Planning (CRP); Shop Floor Control (SFC);

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