

朝陽科技大學 098學年度第2學期教學大綱
Operations Information Systems 作業資訊系統

當期課號	3835	Course Number	3835
授課教師	陳宏益	Instructor	CHEN,HUNG YI
中文課名	作業資訊系統	Course Name	Operations Information Systems
開課單位	資訊管理系(四進)四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	學生行為舞弊者, 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	<p>本課程將教授製造資源系統(MRP II)的架構及內容。學生將會瞭解MRP II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 Requirements Planning (CRP), Shor Floor Control (SFC), and so on.</p> <p>本課程適合任何對MRP II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。</p>	Syllabus	<p>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 Requirements Planning (CRP), Shor Floor Control (SFC), and so on.</p> <p>At the end of this course, you will understand the concepts and main modules in the manufacturing resources planning (MRP II).</p> <p>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.</p> <p>Topics include: Introduction to production environment; MRP II framework; Engineering and BOM; Sales and Operation Planning (S&OP); Demand management (DM); Master Production Schedule (MPS); Material Requirements Planning</p>

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