

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

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| 當期課號   | 3825  | Course Number      | 3825   |
| 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(二進)五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<br>請準時繳交作業<br><br>課堂參與 10%<br>小考 20%<br>期中考 30%<br>期末考 40%   | Grading            | Cheating will make you fail in this course.<br>No late homework will be accepted.<br>No plagiarised homework will be accepted.<br><br>Grading:<br>Participating: 10%<br>Quizzes: 20%<br>Midterm exam: 30%<br>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&amp;OP), Demange Management (DM), Master Production Schedule (MPS), Material Requirements Planning (MRP), Capacity Requiements 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&amp;OP), Demange Management (DM), Master Production Schedule (MPS), Material Requirements Planning (MRP), Capacity Requiements 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:<br/>Introduction to production environment;<br/>MRP II framework;<br/>Engineering and BOM;<br/>Sales and Operation Planning (S&amp;OP);<br/>Demand management (DM);<br/>Master Production Schedule (MPS);</p> |

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|  |  | Material Requirements Planning (MRP);<br>Capacity Requirements Planning (CRP);<br>Shop Floor Control (SFC); |
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