

當期課號	3324	Course Number	3324
授課教師	劉建勛	Instructor	Liu,Chien Hsun
中文課名	製商整合概論	Course Name	Fundamentals of Integrated e-Manufacturing and e-Business_Syllabus
開課單位	產學攜手計畫專班工業工程管理系(四產)二B	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	在課堂中藉由理論與產業實際案例的闡述，強調企業電子化的新趨勢；製造與商務整合；的重要性。課程將涵蓋研發與設計、製造與生產、行銷、與管理等企業經營重點機能的描述，並進一步延伸到產品資料管理(PDM)、企業資源規劃(ERP)、供應鏈管理(SCM)、以及客戶關係管理(CRM)等企業電子化的主題。	Objectives	Focus on the newest trend of e-business; integration of manufacturing and commerce; by combining theories and practical examples in the lectures. Class will include the important business-running issues of research and development, manufacturing, sales, and management, and lead to the PDM, ERP, SCM and CRM issues.
教材	製商整合原理》ISBN:9576095565   華泰出版社   林君維	Teaching Materials	Fundamentals of Integrated e-Manufacturing and e-Business_Syllabus
成績評量方式	平時成績15%、期中考25%、期末考30%、學期報告30%	Grading	Overall presentation 15%, Midterm25%, Final exam 30%, Term project 30%
教師網頁	-		
教學內容	運籌管理是全球供應鏈中，貫穿商流、資訊流、金流、製造資源流、環境流、以及設計流之最重要的實體管理技術之一，一般而言又通稱為物流管理。運籌管理在各個產業中，亦由傳統的運輸配送角色，擴充至整合設計、製造、行銷、售後服務、與回收再製等關鍵性功能。	Syllabus	Recently, based on the fast evolution of networked information system, manufacturing engineering has already been improved to a fully monitored and controlled automatic production mechanism. Although the key application techniques might be different according to product categories, many of the issues; such as the broad usage of computer-aided tools, the rapid development of new materials, the invention of ultra-precision manufacturing processes, and the application of high-synergy production systems which combined the theories of artificial intelligence and systematic programming; are in fact common to most industries. All of the manpower-reduction manufacturing techniques developed in the 20th century have become the necessary tools for industries to compete and grow in the new century.