

朝陽科技大學 097學年度第1學期教學大綱
Intelligent Manufacturing Systems 智慧型製造系統

當期課號	7165	Course Number	7165
授課教師	鄭宗明	Instructor	CHENG,TZONG MING
中文課名	智慧型製造系統	Course Name	Intelligent Manufacturing Systems
開課單位	工業工程與管理系碩士班二A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	本課程將介紹構成智慧型製造系統之流程管理機制與決策機制，以及相關之智慧型計算方法，並以實例探索系統建構之過程且討論之。	Objectives	This course will introduce the workflow management and decision making mechanisms of an intelligent manufacturing system. Related intelligent/computational algorithms and their implementations will also be presented and discussed.
教材	教科書、課堂講義	Teaching Materials	Practice of Petri Nets in Manufacturing, by Dicesare et al., and Class handouts
成績評量方式	期中考 30% 作業 20% 期末報告 40% 課堂表現 10%	Grading	Midtern 30% Homework 20% Term project 40% In-class conducts 10%
教師網頁	-		
教學內容	授課內容以教導斐氏網(Petri net)之定義、性質分析、建模技術、一般應用技巧以及使用於控制與模擬智慧型製造系統之觀念與實例。本課程將以全英語授課方式教導。	Syllabus	This course will present the theory and modeling techniques of Petri nets. Most efforts will be on the software practice, property analysis, and implementation in building intelligent manufacturing systems. This course will be offered in English

尊重智慧財產權，請勿非法影印。