朝陽科技大學 097學年度第2學期教學大綱
Fuzzy Theory and Application 模糊理論與應用

當期課號	7792	Course Number	7792
授課教師	廖梨君	Instructor	LIAO,LI CHUN
中文課名	模糊理論與應用	Course Name	Fuzzy Theory and Application
開課單位	資訊工程系碩士在職專班一A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	人們在做決策分析時，常常會面臨對事件的不確定性，模糊集合及其相關衍生理論提供一些模擬不確定性的理論方法，本課程內容包括模糊集合基礎理論介紹，使學生了解智慧型控制之基本觀念及各種不同的方法在控制領域之應用。 1. 起源及應用 2. 模糊數學介紹 3. 模糊關係與模糊運算 4. 模糊邏輯與模糊語言 5. 模糊控制系統架構 6. 模糊分類 器 7. 解模糊化過程 8. 模糊系統設計	Objectives	People will often face the uncertainty to the incident while making decision analysis, fuzzy set and deriving the theory to offer some simulation deterministic theory methods relevantly, this course content includes the introduction to the basic theory of the fuzzy set, which make students understand intelligent basic idea and application in the controlled field of all kinds of methods that controlled. 1. Origin and application 2. Introduction to fuzzy mathematics 3. Fuzzy relation and fuzzy operation 4. Fuzzy logic and fuzzy language 5. Structure of the fuzzy control system 6. Fuzzy Cluster 7. Solve the fuzzy course of melting 8. Fuzzy system design.
教材	書名:Fuzzy sets and fuzzy logic Theory and applications 作者:George j. Klir and Bo Yuan 出版社:Pearson Education Taiwan Ltd.	Teaching Materials	Title:"Fuzzy sets and fuzzy logic Theory and applications" Authors:George j. Klir and Bo Yuan
成績評量方式	1. 專題報告: 40% 2. 期中考: 20% 3. 期末考: 20% 4. 出席: 20%	Grading	1. Project: 40% 2. Midterm Exam: 20% 3. Final Exam: 20% 4. Attendance: 20%
教師網頁	163.17.10.54		
教學內容	1. 模糊集合與運算 2. 模糊理論與機率 3. 模糊邏輯與推論 4. 模糊控制系統	Syllabus	1. Fuzzy set and operation 2. Fuzzy theory 3. Fuzzy logic and language 4. Fuzzy control system