朝陽科技大學 096學年度第1學期教學大綱
Fuzzy Theory 模糊理論

當期課號	7162	Course Number	7162
授課教師	詹智強	Instructor	CHAN,CHU CHAI
中文課名	模糊理論	Course Name	Fuzzy Theory
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	本課程旨在教授學生柔性運算之基礎理論，包括模糊邏輯、類神經網路以及演化演算法；並及於柔性運算在各領域之應用。	Objectives	This course aims to provide students with basic theory of soft computing, including fuzzy logic, neural networks, and evolutionary algorithms. The applications of soft computing to many different fields are introduced as well.
教材	Jang, Jyh-Shing, Chuen-Tsai Sun, and Eiji Mizutani. “Neuro-Fuzzy and soft computing”. Prentice Hall, New York.	Teaching Materials	Jang, Jyh-Shing, Chuen-Tsai Sun, and Eiji Mizutani. 1997. “Neuro-Fuzzy and soft computing”. Prentice Hall, New York.
成績評量方式	Midterm 50%, Final 50%	Grading	Midterm 50%, Final 50%
教師網頁			
教學內容	The purpose of this course is to introduce the basic definition, notion and operation for fuzzy set. Besides, this course will teach the concepts of the extension principle and fuzzy relations. Then we will present the definition of linguistic variables and values. The tool of fuzzy set is introduced to solve the real problems.	Syllabus	The purpose of this course is to introduce the basic definition, notion and operation for fuzzy set. Besides, this course will teach the concepts of the extension principle and fuzzy relations. Then we will present the definition of linguistic variables and values. The tool of fuzzy set is introduced to solve the real problems.

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