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

當期課號	7806	Course Number	7806
授課教師	陳榮昌	Instructor	CHEN,RONG CHUNG
中文課名	模糊理論與應用	Course Name	Fuzzy Theory and Application
開課單位	資訊管理系碩士在職專班一A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	由於模糊理論近年來大量的被應用於各類實務研究及產品上，故本課程旨在介紹模糊理論之基本原理及其相關之應用領域，除了課程教授之外，亦包含應用主題之研討，課程內容將涵蓋： 1.導論 2. 模糊集3.模糊邏輯4.模糊運算5. 模糊法則6.模糊推理7.模糊控制8.應用問題研討	Objectives	The goal of this class is to introduce the fuzzy set theory and its corresponding applications. The important topics includes logic concepts, set theory, fuzzy set theory, fuzzy relation, fuzzy mathematics, fuzzy logics , fuzzy inference rules, fuzzy logic control and other important theories and their applications.
教材	1. G. J. Klir, St. Clair, B. Yuan, Fuzzy Set Theory - Foundations and Applications, Prentice Hall, 全華代理 2. H. J. Zimmermann, Fuzz Set Theory - and its application, Kluwer Academic Publishers, 茂昌代理	Teaching Materials	1. G. J. Klir, St. Clair, B. Yuan, Fuzzy Set Theory - Foundations and Applications, Prentice Hall, 全華代理 2. H. J. Zimmermann, Fuzz Set Theory - and its application, Kluwer Academic Publishers, 茂昌代理
成績評量方式	評分方式： 期中考30%、報告30%、上課（含小考）30%、其他10%	Grading	med term 30%, report 30%, short test 30%, other 10%
教師網頁	http://www.cyut.edu.tw/~rcchen/courses/fuzzy/html/fuzzy961.htm		
教學內容	本課程的目的在介紹模糊理論及其相關應用，使學生能夠對模糊理論得重要技術及觀念有更深一層的認識，並將其應用到自己 的研究上。主要內容包含基本邏輯觀念、集合理論、模糊集合、模糊關係、模糊算術、模糊邏輯等基本理論以及重要的應用。	Syllabus	the goal of this class is to introduce the fuzzy set theory and its corresponding applications. The important topics includes logic concepts, set theory, fuzzy set theory, fuzzy relation, fuzzy arithmatics, fuzzy logics ,other important theories and their applications.

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