朝陽科技大學 097學年度第2學期教學大綱
Intelligent Finance Information System 智慧型財金資訊系統

當期課號	7020	Course Number	7020
授課教師	周宗南	Instructor	CHOU,TSUNG NAN
中文課名	智慧型財金資訊系統	Course Name	Intelligent Finance Information System
開課單位	財務金融系碩士班一A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	應用人工智慧之類神經網路，模糊邏輯理論，基因演算法等原理建立高階財務資訊系統以解決財金相關決策分析問題。 1.類神經網路原理與財金相關應用 2.模糊邏輯理論與財金相關應用 3.基因演算法原理與財金相關應用 4.類神經網路，模糊邏輯理論，基因演算法之整合設計與使用 5.相關電腦軟體操作與使用	Objectives	This subject aims to study the theory of neural network, fuzzy logic theory and genetic algorithm and apply these techniques to establish a high-level intelligent finance information system to analyze and solve finicial related decision making problems.
教材	1.Computational Intelligence: Principles, Techniques and Application, Amit Konar, Springer, 2005. 2.Intelligent Data Analysis: An Introduction, Michael Berthold, David J. Hand, Springer, 2003. 3.Data Engineering, Olaf Wolkenhauer, John Wiley and Sons, 2001. 4.Artificial Intelligence: A Guide to Intelligent Systems / Negnevitsky, M. / Addison Wesley / 2002. 5.MATLAB Fuzzy, Neural Network toolbox, Matwork, 2002 .	Teaching Materials	1.Computational Intelligence: Principles, Techniques and Application, Amit Konar, Springer, 2005. 2.Intelligent Data Analysis: An Introduction, Michael Berthold, David J. Hand, Springer, 2003. 3.Data Engineering, Olaf Wolkenhauer, John Wiley and Sons, 2001. 4.Artificial Intelligence: A Guide to Intelligent Systems / Negnevitsky, M. / Addison Wesley / 2002. 5.MATLAB Fuzzy, Neural Network toolbox, Matwork, 2002 .
成績評量方式	期末報告40% 期中作業60%	Grading	End of term presentation 40%, Assignments 60 %.
教師網頁	http://www.cyut.edu.tw/~tnchou		
教學內容	應用人工智慧之類神經網路，模糊邏輯理論，基因演算法等原理建立高階財務資訊系統以解決財金相關決策分析問題。 1.類神經網路原理與財金相關應用 2.模糊邏輯理論與財金相關應用 3.基因演算法原理與財金相關應用 4.類神經網路，模糊邏輯理論，基因演算法之整合設計與使用 5.相關電腦軟體操作與使用	Syllabus	This subject covers the approaches applied in Computational Intelligence, Intelligent Data Analysis and Data Engineering and aims to employ these techniques to establish a high-level intelligent finance information system to analyze financial data and solve related decision support problems.

尊重智慧財產權，請勿非法影印。