朝陽科技大學 096學年度第1學期教學大綱
Neural Networks and Its Applications 類神經網路

當期課號	7839	Course Number	7839
授課教師	劉啓東	Instructor	LIU,CHII TUNG
中文課名	類神經網路	Course Name	Neural Networks and Its Applications
開課單位	數位化產品設計產業研發碩士專班一A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	本課程之目的在於教授學生類神經網路技術與相關應用，內容涵蓋 Fundamental concepts and models of artificial neural systems、Single-layer perception classifiers、Multilayer feedforward networks、Associative memories、Matching and self-organizing networks、Applications of neural algorithms and systems、Neural networks implementation	Objectives	
教材	Slide	Teaching Materials	Slide
成績評量方式	期末project40%，作業30%，論文報告30%	Grading	project 40%, homework 30%,presentation 30%
教師網頁	_		
教學內容	Introduction Perceptron Widrow-Hoff Learning Backpropagation Associative Learning Competitive Networks Adaptive Resonance Theory (ART) Hopfield Network Recurrent Neural Networks	Syllabus	Introduction Perceptron Widrow-Hoff Learning Backpropagation Associative Learning Competitive Networks Adaptive Resonance Theory (ART) Hopfield Network Recurrent Neural Networks

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