朝陽科技大學 095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	7799	**Course Number**	7799
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	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	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**	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
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