

朝陽科技大學 094學年度第2學期教學大綱
Neural Networks and Its Applications 類神經網路

當期課號	7701	Course Number	7701
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 (碩春)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	Satish Kumar, "Neural Networks a classroom approach" Mc Graw Hill (滄海書局代理)	Teaching Materials	
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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