

朝陽科技大學 092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	7272	Course Number	7272
授課教師	林正堅	Instructor	LIN,CHENG JIAN
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	powerponiter	Teaching Materials	powerpointer
成績評量方式	1.期中考(40% ) 2.作業(30% ) 3.論文報告一篇(30% ) (限發表於IEL or SDOS且Jan. 1, 2000以後刊登)	Grading	1.midterm(40%) 2. Homework(30%) 3.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 Genetic Algorithm Neural Fuzzy Networks	Syllabus	Introduction Perceptron Widrow-Hoff Learning Backpropagation Associative Learning Competitive Networks Adaptive Resonance Theory (ART) Hopfield Network Recurrent Neural Networks Genetic Algorithm Neural Fuzzy Networks

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