朝陽科技大學 095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	7429	Course Number	7429
授課教師	李麗華	Instructor	LI,LI HUA
中文課名	類神經網路	Course Name	Neural Networks and Its Applications
開課單位	資訊科技研究所博士班一A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	The course objective is to let graduate students understand the concept of artificial neural network(ANN) and its models. Graduate tudents will learn how to construct and apply ANN to their interested research area. Paper study and project implementation of one or more neural network models are required to fulfill this class.	Objectives	The course objective is to let graduate students understand the concept of artificial neural network(ANN) and its models. Graduate tudents will learn how to construct and apply ANN to their interested research area. Paper study and project implementation of one or more neural network models are required to fulfill this class.
教材	“Neural and Adaptive Systems: Fundamentals Through Simulations,” Jose C. Principe, Neil R. Euliano, W. Curt Lefebvre, John Wiley, 2000.(全華科技代理,書號:20643917) “類神經網路模式應用與實作”,葉怡成編著,儒林圖書,2001四月七版版. (ISBN:957-499-313-2) “Neural Network Design," Martin T. Hagan, Howard B. Demuth, and Mark Beale, PWS Publishing Co., 1996. (ISBN:053494332-2) “Artificial Neural Network,” Robert J. Schalkoff, McGraw-Hill,1997. (ISBN:0-07- 115554-6) “應用類神經網路”,葉怡成編著,儒林圖書,2001年3月三版. (ISBN:957-652 - 997-2)	Teaching Materials	“Neural and Adaptive Systems: Fundamentals Through Simulations,” Jose C. Principe, Neil R. Euliano, W. Curt Lefebvre, John Wiley, 2000.(全華科技代理,書號:20643917) “類神經網路模式應用與實作”,葉怡成編著,儒林圖書,2001四月七版版. (ISBN:957-499-313-2) “Neural Network Design," Martin T. Hagan, Howard B. Demuth, and Mark Beale, PWS Publishing Co., 1996. (ISBN:053494332-2) “Artificial Neural Network,” Robert J. Schalkoff, McGraw-Hill,1997. (ISBN:0-07- 115554-6) “應用類神經網路”,葉怡成編著,儒林圖書,2001年3月三版. (ISBN:957-652 - 997-2)
成績評量方式	Homework/Report 30% Midterm 30% Term Paper&Final Project 40%	Grading	Homework/Report 30% Midterm 30% Term Paper&Final Project 40%
教師網頁	http://www.cyut.edu.tw/~lhli		
教學內容	The course objective is to let students understand the concept of artificial neural network(ANN) and its models. Students will learn how to construct and apply ANN to their interested research area. Paper study and project implementation of one or more neural network models are required to fulfill this class.	Syllabus	The course objective is to let students understand the concept of artificial neural network(ANN) and its models. Students will learn how to construct and apply ANN to their interested research area. Paper study and project implementation of one or more neural network models are required to fulfill this class.

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