

100-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	神經網路	Serial No. / ID	1393 / EDR5017
Dept.	電機工程學系博士班	School System / Class	研究所博士班1年1班
Lecturer	陳木松	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	(一)ABC / H371	Language	English

Introduction
Learn the concept of machine learning and its application in pattern recognition

Outline
1.Basic concept introduction 2.What is learning ? 3.The perceptron 4.Derivative-base optimization 5.Least-mean-square algorithm 6.Advanced learning algorithm 7.Multilayer perceptron neural networks 8.Supervised Learning algorithm 9.Backpropagation learning 10.Radial basis function network 11.Unsupervised Learning 12.Self-organizing system ? 13.Hebbian learning 14.Self-organizing system 15.Competitive learning

Prerequisite
Calculus, Linear algebra, Programming language