

朝陽科技大學 091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   | 7557   | Course Number      | 7557   |
| 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   | 資訊管理系碩士在職專班一A  | Department         |  |
| 修習別    | 選修   | Required/Elective  | Elective   |
| 學分數    | 3  | Credits            | 3  |
| 課程目標   | 本課程在導引學生了解何謂類神經網路以及它的應用，課程將介紹最常見的類神經網路類型、其模式功能、及網路的應用。除了逐一介紹每個網路的架構及模式外，亦會說明其應用層面及可能的研究領域。   | Objectives         | This course is designed to let students understand what are artificial neural network(ANN) models. Students will be guided to understand how ANN is constructed, functioned, and applied. To demonstrate the applicability of ANN, examples and projects will be used throughout the lecture.                          |
| 教材     | 課堂講解+投影片教學   | Teaching Materials | Classroom Instruction assisted with power point material   |
| 成績評量方式 | Homework/Report 30%<br>Midterm 30%<br>Term Paper&Final Project 40%   | Grading            | Homework/Report 30%<br>Midterm 30%<br>Term Paper&Final Project 40%   |
| 教師網頁   | -  |                    |  |
| 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. |

尊重智慧財產權，請勿非法影印。