

101-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	智慧型網路	Serial No. / ID	1964 / EDR5067
Dept.	電機工程學系博士班	School System / Class	研究所博士班1年1班
Lecturer	吳幸珍	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	(一)234 / H371	Language	Other

Introduction
This course is to provide graduate students for developing various intelligent-based networks/algorithm. Students can have a comprehensive, well-organized, and up-to-date account of basic principles underlying the design, analysis and synthesis hybrid integrated systems via the corresponding program codes for various real physical systems.

Outline
<ol style="list-style-type: none"> 1. Introduction (K-15) 2. Supervised Learning-1: Perceptions and LSM (K-5) 3. Supervised Learning-2: Backpropagation (K-6) 4. Supervised Learning-3: Support Vector Machines (K-8) 5. Recurrent Learning-1: Attractor Neural Networks (K-10) <p>MIDTERM</p> <ol style="list-style-type: none"> 6. Recurrent Learning-2: Adaptive Resonance Theory (K-11) 7. Unsupervised Learning: Toward to Self-organizing Feature Map (K-12) 8. Integrated Neural Fuzzy Systems (Y-16, N-8.1, Lin) <ul style="list-style-type: none"> - - - ANFIS, SONFIN 9. Evolution-based Neural/Fuzzy Systems (Y-17, N-8.2)

Prerequisite
basic fuzzy concept