

97-2 Preliminary Syllabus, Da-Yeh Univ

| Information | | | |
|-------------------|---------------|-----------------------|----------------|
| Title | 智慧型網路 | Serial No. / ID | 1299 / EGR5301 |
| Dept. | 電機工程學系碩士班 | School System / Class | 研究所碩士班1年1班 |
| Lecturer | 吳幸珍 | Full or Part-time | 專任 |
| Required / Credit | Optinal / 3 | Graduate Class | NO |
| Time / Place | (二)567 / H726 | Language | English |

| 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 |
|---|
| 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) MIDTERM 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) - - - ANFIS, SONFIN 9. Evolution-based Neural/Fuzzy Systems (Y-17, N-8.2) |

| Prerequisite |
|---------------------|
| basic fuzzy concept |