

# 101-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	模糊理論	Serial No. / ID	1372 / EGR5038
Dept.	電機工程學系碩士班	School System / Class	研究所碩士班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
The objective of this course focuses on the study of neuro-fuzzy theory which contains several topics. These topics are fuzzy set, fuzzy membership functions, fuzzy number, fuzzy relation, and fuzzy inference. Advanced applications of neuro-fuzzy theory are demonstrated by several examples.

Outline
<ol style="list-style-type: none"><li>1. neuro-fuzzy Introduction</li><li>2. fuzzy sets, fuzzy membership function</li><li>3. fuzzy relation</li><li>4. fuzzy inference system</li><li>5. neuro-fuzzy modeling</li><li>6. neuro-fuzzy control</li></ol>

Prerequisite
Linear Algebra, Probability theory, Engineering mathematics