

98-1 Preliminary Syllabus, Da-Yeh Univ

| Information | | | |
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| Title | 語音辨認 | Serial No. / ID | 1717 / EGR5298 |
| Dept. | 電機工程學系碩士班 | School System / Class | 研究所碩士班1年1班 |
| Lecturer | 李立民 | Full or Part-time | 專任 |
| Required / Credit | Optinal / 3 | Graduate Class | NO |
| Time / Place | (二)ABC / H341 | Language | Chinese |

| Introduction |
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| Let students understand the basic properties of speech, be able to use mathematical model to analyze speech. Understanding the principles of speech recognition systems and architecture, and using software tools to implement a simple speech recognition system |

| Outline |
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| principle of the acoustics theory |
| Classification and characteristics of voice |
| Speech signal representation |
| Vector quantization |
| pattern classification |
| Hidden Markov Model |
| Language model |
| Acoustic Modeling |
| Robust Speech Recognition |

| Prerequisite |
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| Probability, linear algebra, digital signal processing, Introduction to Programming |