

98-1 Preliminary Syllabus, Da-Yeh Univ

| Information | | | |
|-------------------|--------------------------|-----------------------|----------------|
| Title | 數位訊號處理 | Serial No. / ID | 0619 / EGR5042 |
| Dept. | 電機工程學系碩士班 | School System / Class | 研究所碩士班1年1班 |
| Lecturer | 葉競榮 | Full or Part-time | 專任 |
| Required / Credit | Optinal / 3 | Graduate Class | NO |
| Time / Place | (一)34 / H367 (二)5 / H367 | Language | Chinese |

| Introduction |
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| Introduce the basic concepts of digital signal processing systems to students so that the students can analyze the digital signal and the digital processing system and can apply DSP to real world. |

| Outline |
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| <ol style="list-style-type: none">1. Introduction2. Discrete Time-Signals and Systems3. The z-Transform4. Sampling of Continuous-Time Signals5. Transform Analysis of Linear Time-Invariant Systems6. Structures for Discrete-Time Systems7. Filter Design8. The Discrete Fourier Transform |

| Prerequisite |
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| Complex variables Linear Algebra Programming |