

98-2 Preliminary Syllabus, Da-Yeh Univ

| Information | | | |
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| Title | 數位訊號處理導論 | Serial No. / ID | 2514 / EEI4022 |
| Dept. | 電機工程學系 | School System / Class | 大學日間部3年1班 |
| Lecturer | 武維疆 | Full or Part-time | 專任 |
| Required / Credit | Optinal / 3 | Graduate Class | NO |
| Time / Place | (二)6 / H339 (三)56 / H339 | Language | Chinese |

| Introduction |
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| This course will introduce the basic concepts for processing discrete-time signal. By the end of this course, the students should be able to analyze a DSP system and can use software tools to design simple DSP systems. |

| Outline |
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| <ol style="list-style-type: none">1. sine wave & phasor2. spectrum representation3. sampling, alias, and reconstruction4. FIR filter5. linear and time-invariant6. FIR frequency response7. Z-transform8. IIR filter9. IIR Frequency Response10. three views of IIR filters |

| Prerequisite |
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| Introduction to Computer |