

97-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	數位訊號處理	Serial No. / ID	1152 / 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	(二)5 / H367 (一)34 / H367	Language	Chinese

Introduction
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
<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
Complex variables Linear Algebra Programming