

# 97-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	數位訊號處理	Serial No. / ID	1315 / EDR5065
Dept.	電機工程學系博士班	School System / Class	研究所博士班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
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"><li>1. Introduction</li><li>2. Discrete Time-Signals and Systems</li><li>3. The z-Transform</li><li>4. Sampling of Continuous-Time Signals</li><li>5. Transform Analysis of Linear Time-Invariant Systems</li><li>6. Structures for Discrete-Time Systems</li><li>7. Filter Design</li><li>8. The Discrete Fourier Transform</li></ol>

Prerequisite
Complex variables Linear Algebra Programming