100-1 Preliminary Syllabus, Da-Yeh Univ

Information

Title		Serial No. / ID	1379 / EGR 5042
Dept.		School System / Class	1　1
Lecturer		Full or Part-time	
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	(　)89A / H341	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

1. Introduction
2. Discrete Time-Signals and Systems
3. The z-Transform
4. Sampling of Continuous-Time Signals
5. Transform Analysis of Linear Time-Invariant Systems
6. Structures for Discrete-Time Systems
7. Filter Design
8. The Discrete Fourier Transform

Prerequisite

Complex varibles
Linear Algebra
Programming