

97-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	數位控制	Serial No. / ID	0672 / EEI4001
Dept.	電機工程學系	School System / Class	大學日間部4年1班
Lecturer	陳盛基	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	Yes
Time / Place	(一)78 / H731 (二)4 / H726	Language	Chinese

Introduction

To introduce the student to the fundamentals of control theory as applied to digital controllers or sampled data control systems in general. To familiarise the student with the use of the MATLAB Control Toolbox.

Outline

Ch1. Introduction
Ch2. MATLAB and Toolbox
Ch3. Modeling and Response
Ch4. Building Block and Analysis
Ch5. State Space Model
Ch6. Sample ControlSystem
Ch7. Frequency Response
Ch8. Digital Filter
Ch9. System Performance
Ch10. PID Control
Ch11. Frequency Response Design
Ch12. State Space Design

Prerequisite

Engineering Mathematics