

100-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	數位控制	Serial No. / ID	1595 / 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	(三)4 / H227 (四)34 / H227	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