

102-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	數位控制系統與實驗	Serial No. / ID	1595 / ADR5064
Dept.	機械與自動化工程學系博士班	School System / Class	研究所博士班1年1班
Lecturer	張義芳	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	(一)678 / H569	Language	English

Introduction
<ol style="list-style-type: none">1. Concept of Digital Control System2. Mathematics of Digital Control System3. Analysis methods of Digital Control System4. The controllers design of Digital Control System5. Experiment of Digital Control System

Outline
<ol style="list-style-type: none">1.Experiment: Introduction to LabVIEW2.Experiment: A/D converter3.Experiment: D/A converter4.Experiment: Sensor(Encoder)5.Experiment: Motor control6.Experiment: Final test7.Discrete-Time Systems and the z-Transform8. Discrete-time System Analysis9. System Time-Response Characteristics10. Stability Analysis11. Digital Controller Design12. State-Space Method

Prerequisite
Automatic control