

97-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	自動控制	Serial No. / ID	1554 / MAI2005
Dept.	機械與自動化工程學系	School System / Class	大學日間部3年1班
Lecturer	羅正忠	Full or Part-time	專任
Required / Credit	Required / 3	Graduate Class	NO
Time / Place	(一)2 / H445 (二)34 / H445	Language	Chinese

Introduction
<ol style="list-style-type: none"> 1.Review mathematic background for automatic control. 2.Set up basic concept for system modelling. 3.Establish the time domain analysis method. 4.Establish the frequency domain analysis tools. 5.Learn how to design a controller.

Outline
<ol style="list-style-type: none"> 1.Introduction 2.Mathematical foundation. 3.Block diagrams and signal-flow graphs 4.Modeling of physical systems 5.State variable analysis 6.Stability of linear control systems 7.Time-domain analysis of control 8.Root-locus technique 9.Frequency domain analysis

Prerequisite
Engineering Mathematics