

102-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	伺服系統設計與控制	Serial No. / ID	1492 / EGR5189
Dept.	電機工程學系碩士班	School System / Class	研究所碩士班1年1班
Lecturer	陳盛基	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	(五)234 / H227	Language	English

Introduction
To study the fundamental theory of linear control systems through mathematical analysis and numerical simulation.

Outline
Ch1. Control System Design Procedure. Ch2. Complex Number and Laplace Transform. Ch3. Representative of Linear Time Invariant System. Ch4. Transfer Function. Ch5. Frequency Transfer Function. Ch6. State Space Representative. Ch7. Feedback Control System. Ch8. Control System Stability. Ch9. Control System Transient Response. Ch10. Control System Steady State Response. Ch11. Control System Design Specifications. Ch12. Classical Control Theory. Ch13. Contemporary Control Theory.

Prerequisite
Engineering Mathematics; Linear Algebra