

# 101-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	應用電子學	Serial No. / ID	1766 / MAI3096
Dept.	機械與自動化工程學系	School System / Class	大學日間部3年1班
Lecturer	陳昭雄	Full or Part-time	專任
Required / Credit	Required / 3	Graduate Class	No
Time / Place	(一)34 / H440 (三)2 / H440	Language	Chinese

Introduction
This course examines the theory and analysis of electric systems. Lecture materials emphasizes basic theory and application including electric circuits and electronics. Students should be encouraged to develop the basic abilities of analysis and design of electrical systems. The adequate ability to establish the practical electrical system in engineering applications will be developed.

Outline
unit 1. Introduction unit 2. Resistive Circuits unit 3. Inductance and Capacitance Midterm unit 4. Operational Amplifiers unit 5. Diodes unit 6. Bipolar Junction Transistors unit 7. Field-Effect Transistors Final Examination

Prerequisite
Calculus and physical electrical theory