

99-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	電子電路	Serial No. / ID	1509 / MAI2045
Dept.	機械與自動化工程學系	School System / Class	大學日間部3年1班
Lecturer	張義芳	Full or Part-time	專任
Required / Credit	Required / 3	Graduate Class	No
Time / Place	(四)2 / H440 (五)34 / H440	Language	Chinese

Introduction
<ol style="list-style-type: none">1. Provide an understanding of the principle of electric circuits and electronics.2. Provide a basic concept of the electric circuits and electronic elements3. Provide an ability to analyze the DC circuits and AC circuits.4. Provide an ability to analyze the circuits connected with diodes, transistor, and operational amplifier.

Outline
<p>Part 1 DC Circuits:</p> <p>單元主題1. Voltage, Current, and Resistance</p> <p>單元主題2. Ohm ' s Law, Energy, and Power</p> <p>單元主題3. Series and Parallel Circuits</p> <p>Part 2 AC Circuits</p> <p>單元主題4. RLC Circuits and Resonance</p> <p>單元主題5. Time Response of Reactive Circuits</p> <p>Part 3 Devices</p> <p>單元主題6. Diodes and Applications</p> <p>單元主題7. Transistors and Applications</p> <p>單元主題8. The Operational Amplifier Circuits</p>

Prerequisite
Calculus, Physics (Electric)