

97-1 Preliminary Syllabus, Da-Yeh Univ

| Information | | | |
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| Title | 電子電路 | Serial No. / ID | 0508 / MAI2045 |
| Dept. | 機械與自動化工程學系 | School System / Class | 大學日間部2年1班 |
| Lecturer | 陳俊達 | Full or Part-time | 專任 |
| Required / Credit | Required / 3 | Graduate Class | NO |
| Time / Place | (一)78 / H440 (三)1 / H345 | Language | Chinese |

| Introduction |
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| <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 elements 3. 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 |
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| <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 |
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| Calculus, Physics (Electric) |