

## 99-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	普通物理(電學)	Serial No. / ID	1802 / MAI1025
Dept.	機械與自動化工程學系	School System / Class	大學日間部1年1班
Lecturer	范榮權	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	(四)N56 / P401	Language	Chinese

Introduction
Introduction of electric and magnetic field, application of electric circuit, electromagnetic waves.

Outline
Electric Charge Electric Fields Gauss' Law Electric potential Capacitance Current and Resistance Circuits Magnetic Fields Magnetic Fields Dut to Currents Induction and Inductance Electromagnetic Oscillations and Alternating current Maxwell's equations Electromagnetic waves

Prerequisite
calculus