

97-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	普通物理(電學)	Serial No. / ID	2628 / MAI1025
Dept.	機械與自動化工程學系	School System / Class	大學日間部2年5班
Lecturer	陳昭翰	Full or Part-time	專任
Required / Credit	Required / 3	Graduate Class	NO
Time / Place	(二)N / P301 (五)56 / P301	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 Due to Currents Induction and Inductance Electromagnetic Oscillations and Alternating current Maxwell's equations Electromagnetic waves

Prerequisite
calculus