

102-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	電機機械	Serial No. / ID	1988 / EEI3002
Dept.	電機工程學系	School System / Class	大學日間部3年1班
Lecturer	陳盛基	Full or Part-time	專任
Required / Credit	Required / 3	Graduate Class	No
Time / Place	(四)34 / H303 (三)2 / H303	Language	Chinese

Introduction
This course covers topics including: electromechanical energy conversions, magnetic materials and circuits, rotating electric machines; consideration of the basic machine types: dc, induction, synchronous, reluctance, and specially machines; operating principle, driving system, and application technology.

Outline
Chap1: Magnetic Materials and Circuit
Chap2: Electric Machine
Chap3: Transformer
Chap4: DC Machines
Chap5: Induction Machines
Chap6: Synchronous Machines
Chap7: Permanent Magnet Machines
Chap8: Special and Linear Machines
Chap9: Machine Control

Prerequisite
electric circuit, engineering mathematics