

99-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	電機機械	Serial No. / ID	1167 / EGR5360
Dept.	電機工程學系碩士班	School System / Class	研究所碩士班1年1班
Lecturer	陳盛基	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	(三)ABC / H202	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: Transfomer 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