

100-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	固態物理	Serial No. / ID	1353 / EGR5079
Dept.	電機工程學系碩士班	School System / Class	研究所碩士班1年1班
Lecturer	范榮權	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	(四)567 / H367	Language	Chinese

Introduction

Outline
Chapter1 Crystal structure Chapter2 Crystal diffraction and the reciprocal lattice Chapter3 crystal binding Chapter4 free electron fermi gas Chapter5 energy bands Chapter6 semiconductor crystals Chapter7 fermi surfaces and metals Chapter8 Optical properties and excitons Chpater9 superconductivity

Prerequisite
Calculus, General Physics