

99-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	奈米材料與奈米結構	Serial No. / ID	1711 / EGR5242
Dept.	電機工程學系碩士班	School System / Class	研究所碩士班1年1班
Lecturer	李世鴻	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	(三)12 / H367 (三)6 / H367	Language	Chinese

Introduction

This course is focused on the techniques used in the fabrication of nano-materials.

Outline

1.Introduction to Nanotechnology and Nanomaterials 2.Mesoscopic physics 3.Nanomaterials- analysis and characterization 4.Nanomaterials-synthesis and manufacturing 5.Processing of nanostructured sol-gel materials 6.Nanostructured semiconductor thin films 7.Semiconductor nanoparticles in three-dimensional matrices 8.Application practice

Prerequisite

None