

101-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	微奈米工程量測與實作	Serial No. / ID	1402 / EGR5363
Dept.	電機工程學系碩士班	School System / Class	研究所碩士班1年1班
Lecturer	李得勝	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	(一)234 /	Language	Chinese

Introduction

Engineering background of this course is designed to help students evolve from a manufacturing technology, understanding of micro-nano technologies, including nanotechnology principles and characteristics of nano materials testing, preparation of nano materials, micro-nm process and application

Outline

Introduction to Nano materials (2)
Nano PBL learning and drill programs
Interim report
The special nature of nanomaterials (2)
Nanopowder synthesis (1)
One dimensional nanomaterials synthesis (2)
Nano template (1)
Introduction to nano self-assembly (1)
Measurement Technology
The field of nanotechnology applications in the battery (1)
Nano technology - Display (1)

Prerequisite

Basic physical concepts