

101-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	薄膜工程	Serial No. / ID	0895 / MSI4004
Dept.	材料科學與工程學系	School System / Class	大學日間部3年1班
Lecturer	宋皇輝	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	(二)234 / H544	Language	Chinese

Introduction

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Outline

Introduction

Vacuum Technology

Gas Properties.

Vacuum Gauges and Flow Meters.

Partial Pressure Analysis.

Vacuum Pumps.

Materials in Vacuum.

Leak Detection and Leak Detectors.

High-Vacuum System Design.

Thin Films Deposition

Physical Vapor Deposition.

Chemical Vapor Deposition.

Thin Films Characterization

Electrical and Electronic Properties

Optical Properties

Lithography and Pattern Transfer.

Prerequisite

General Physics