

102-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	薄膜工程	Serial No. / ID	0990 / MS14004
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	(一)567 / H443	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