

# 97-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	連體力學	Serial No. / ID	1335 / ADR5077
Dept.	機械與自動化工程學系博士班	School System / Class	研究所博士班1年1班
Lecturer	林陽泰	Full or Part-time	客座
Required / Credit	Optinal / 3	Graduate Class	NO
Time / Place	(五)567 / H227-2	Language	Chinese

Introduction	
無	

Outline	
Introduction	
2. Vectors and Tensors	
3. Stress	
4. Principal Stresses and Principal Axes	
5. Analysis of Deformation	
6. Velocity Fields and Compatibility Conditions	
7. Constitutive Equations	
8. Isotropy	
9. Mechanical Properties of Real Fluids and Solids	
10. Derivation of Field Equations	
11. Field Equations and Boundary Conditions in Fluid Mechanics	
12. Some Simple Problems in Elasticity	

Prerequisite	
無	