

# 99-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	彈性力學	Serial No. / ID	1574 / ADR5020
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	劉大銘	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	(二)6 / H439 (四)78 / H439	Language	English

Introduction
<p>understanding the scope of deformation of solid and its related equations. such as equilibrium equation, constitutive law, strain-displacement, compatibility equation,..etc</p> <p>solve the deformation problems of elastic body in equilibrium(BVP) and evaluate its deformation measures</p>

Outline
<p>Part 1: Math review (tensor)and notation</p> <p>Part 2: Deformation and basic equations</p> <p>Part 3: Torsion problems</p> <p>Part 4: Bending with Torsion problems</p> <p>Part 5: Plane strain problems</p> <p>Part 6: Plane stress problems</p>

Prerequisite
<p>Strength of Materials, Engineering Mathematics, English reading and writing</p>