

101-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	彈性力學	Serial No. / ID	1376 / MUR5015
Dept.	機械與自動化工程學系碩士班	School System / Class	研究所碩士班1年1班
Lecturer	鄭江河	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	(二)BCD / H443	Language	Chinese

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

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

Prerequisite
Strength of Materials, Engineering Mathematics, English reading and writing