99-1 Preliminary Syllabus, Da-Yeh Univ

Information

Title		Serial No. / ID	1560 / MUR 5015
Dept.		School System / Class	1 1
Lecturer		Full or Part-time	
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	( )6 / H439 ( )78 / H439	Language	English

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