

97-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	分析模擬軟體應用實務	Serial No. / ID	2493 / MAI4056
Dept.	機械與自動化工程學系	School System / Class	大學日間部4年5班
Lecturer	江基風	Full or Part-time	兼任
Required / Credit	Optinal / 3	Graduate Class	Yes
Time / Place	(四)567 / H439	Language	Chinese

Introduction
<ol style="list-style-type: none"> 1.Able to simulate/analyze mechanical systems and come up with solutions 2.Familiar with softwares for analysis of mechanical, energy, and vehicle-related fields.

Outline
<ol style="list-style-type: none"> 1.Introduction 2.Review of 3D Graphical Software 3.Basic Mechanics Linkages & Mechanisms 4.Review of Automatic Dynamic Analysis of Mechanical Systems 5.Getting Started Using ADAMS/View 6.Getting Started Using ADAMS/Flex 7.Basic Theory of Finite Element (FE) Analysis 8.Application of Finite Element (FE) Software 9.Analysis & Modeling Flow Chart of Mechanical/Automotive System

Prerequisite
English capability, engineering mathmatics, mechanics of materials,3D graphics