

# 97-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	應用力學(二)	Serial No. / ID	0512 / MAI2035
Dept.	機械與自動化工程學系	School System / Class	大學日間部2年2班
Lecturer	林海平	Full or Part-time	專任
Required / Credit	Required / 3	Graduate Class	NO
Time / Place	(一)56 / H440 (二)6 / H440	Language	Chinese

## Introduction

Omitted.

## Outline

1. Kinematics of a Particle
2. Kinetics of a Particle: Force and Acceleration; Work and Energy; Impulse and Momentum
3. Planar Kinematics of a Rigid Body
4. Planar Kinetics of a Rigid Body: Force and Acceleration; Work and Energy; Impulse and Momentum
5. Three-Dimensional Kinematics of a Rigid Body
6. Three-Dimensional Kinetics of a Rigid Body
7. Vibrations

## Prerequisite

High School Mathematics, Calculus.