

# 97-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	應用力學(二)	Serial No. / ID	1059 / MAV2003
Dept.	機械與自動化工程學系	School System / Class	四技部2年1班
Lecturer	劉勝安	Full or Part-time	專任
Required / Credit	Required / 3	Graduate Class	NO
Time / Place	(四)12 / H345 (五)2 / H345	Language	German

Introduction
This course comes after Statics. The objective is to train students the basic principles and applications of kinematics and kinetics of particles and rigid bodies.

Outline
<ol style="list-style-type: none"><li>1. Kinematics of a Particle</li><li>2. Kinetics of a Particle: Force and Acceleration</li><li>3. Kinetics of a Particle: Work and Energy</li><li>4. Kinetics of a Particle: Impulse and Momentum</li><li>5. Planar Kinematics of a Rigid Body</li><li>6. Planar Kinetics of a Rigid Body: Force and Acceleration</li><li>7. Planar Kinetics of a Rigid Body: Work and Energy</li><li>8. Planar Kinetics of a Rigid Body: Impulse and Momentum</li></ol>

Prerequisite
Mathematics and Physics (high school level)