

100-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	應用力學(一)	Serial No. / ID	1121 / MAV1005
Dept.	機械與自動化工程學系	School System / Class	四技部1年1班
Lecturer	陳照忠	Full or Part-time	專任
Required / Credit	Required / 3	Graduate Class	No
Time / Place	(一)4 / H441 (二)12 / H441	Language	Chinese

Introduction
<ol style="list-style-type: none">1. Introduce basic concepts and principles of statics, such as units, force vectors, equilibrium of a particle, resultants of force system, and equilibrium of a rigid body. Teach students to understand basic concepts and to extend to practice problems.2. Introduce applications of statics such as structure analysis, internal forces, so that students are able to further understand the connections between the principles and the practice.3. Train students to own basic capability of learning Mechanics of Materials and Vibration courses in the future.

Outline
<ol style="list-style-type: none">1. Force Vectors2. Equilibrium of a Particle3. Force System Resultants4. Equilibrium of a Rigid Body5. Structural Analysis6. Internal Forces

Prerequisite
Mathematics and Physics (high school level)