

101-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	應用力學(一)	Serial No. / ID	1235 / 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)56 / H345 (四)5 / H345	Language	Chinese

Introduction
<p>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.</p> <p>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.</p> <p>3. Train students to own basic capability of learning Mechanics of Materials and Vibration courses in the future.</p>

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)