

# 102-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	機械設計(二)	Serial No. / ID	2041 / MAB3007
Dept.	機械與自動化工程學系	School System / Class	進修學士班3年1班
Lecturer	許東成	Full or Part-time	兼任
Required / Credit	Required / 3	Graduate Class	No
Time / Place	(五)ABC / H440	Language	Chinese

Introduction
<p>This course introduce the basic design concepts for machine elements. The main goals are:</p> <ol style="list-style-type: none"><li>1. understand the procedures and concepts about machine element design.</li><li>2. understand the characteristics of various engineering materials and their applications.</li><li>3. understand how to analyze the stress and deformation of machine elements.</li><li>4. Failure modes of machine elements</li></ol>

Outline
<ol style="list-style-type: none"><li>1. Belts and Chains Design</li><li>2. Springs Design</li><li>3. Clutches and Brakes Design</li><li>4. Mechanical Systems Design</li></ol>

Prerequisite
Mechanics of Materials