

# 101-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	光機電系統	Serial No. / ID	1991 / MAV4002
Dept.	機械與自動化工程學系	School System / Class	四技部3年1班
Lecturer	陳國祥	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	(四)2 / H440 (五)34 / H440	Language	Chinese

Introduction
Opto-mechatronic System is an integrated course that investigates how to integrate an optical system and a mechatronics system to control the light, such that the energy or information of the light can be transmitted to the desired location, and accomplish the the requirement of the product design and manufacturing. This course will provide students a thorough understanding of the optics principle, mechatronic control. The adequate ability to develop the opto-machatronic engineering will be developed.

Outline
<ol style="list-style-type: none"><li>1. Introduction</li><li>2. Geometrical optics</li><li>3. Image process</li><li>4. PC based controller</li><li>5. Applicatons</li></ol>

Prerequisite
Automatic Control, Mechanisms, Electronic Circuits