

# 98-1 Preliminary Syllabus, Da-Yeh Univ

| Information       |               |                       |                |
|-------------------|---------------|-----------------------|----------------|
| Title             | 光機電系統         | Serial No. / ID       | 2026 / MAV4002 |
| Dept.             | 機械與自動化工程學系    | School System / Class | 四技部3年2班        |
| Lecturer          | 陳俊達           | Full or Part-time     | 專任             |
| Required / Credit | Optinal / 3   | Graduate Class        | NO             |
| Time / Place      | (二)ABC / H440 | Language              | Chinese        |

| Introduction   |
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| 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  |
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| <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                                       |
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| Automatic Control, Mechanisms, Electronic Circuits |