

# 97-1 Preliminary Syllabus, Da-Yeh Univ

| Information       |                             |                       |                |
|-------------------|-----------------------------|-----------------------|----------------|
| Title             | 進階電腦輔助設計系統                  | Serial No. / ID       | 1553 / ADR5075 |
| Dept.             | 機械與自動化工程學系博士班               | School System / Class | 研究所博士班1年1班     |
| Lecturer          | 賴元隆                         | Full or Part-time     | 兼任             |
| Required / Credit | Optinal / 3                 | Graduate Class        | NO             |
| Time / Place      | (三)1 / H832-2(四)12 / H832-2 | Language              | Chinese        |

| Introduction  |
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| Introduction to the theory and implementation of CG and CAD. The course will develop a simple interactive system, by the mathematical basis for the computer representation of two and three dimensional objects, to simulate a CAD environment. Graphical programming assignments use the latest graphics standards. |

| Outline   |
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| <ol style="list-style-type: none"><li>1. (Windows Graphical Program Development)</li><li>2. (Geometric Objects and T Transformations)</li><li>3. (Edit and Modify)</li><li>4. (NURBS Curves and Surfaces)</li><li>5. (Tool-Path Generation)</li><li>6. (Data Exchange Standardizations)</li></ol> |

| Prerequisite |
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| CAD Concept. |