

97-1 Preliminary Syllabus, Da-Yeh Univ

| Information | | | |
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| Title | 圖形理論 | Serial No. / ID | 1180 / IFR5023 |
| Dept. | 資訊工程學系碩士班 | School System / Class | 研究所碩士班1年1班 |
| Lecturer | 阮夙姿 | Full or Part-time | 兼任 |
| Required / Credit | Optinal / 3 | Graduate Class | NO |
| Time / Place | (一)567 / H607 | Language | Chinese |

| Introduction |
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| The student should gain an understanding of the fundamental concepts of graph theory. |

| Outline |
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| 1. Introduction to Graph Theory 2. Basic Concepts in Graph Theory 3. Trees and Forests 4. Spanning Trees 5. Fundamental Properties of Graphs and Digraphs 6. Connectivity and Flow 7. Planar Graphs 8. Graph Coloring 9. Independence, Dominance, and Matchings 10. Graph Algorithms |

| Prerequisite |
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| Discrete mathematics and Algorithms |