

# 101-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	圖形理論	Serial No. / ID	1420 / 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	洪春男	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	(四)234 / H569	Language	Chinese

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

Outline
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
Discrete mathematics and Algorithms