

102-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	影像處理與辨識	Serial No. / ID	3241 / NGR3088
Dept.	工業工程與管理學系碩士班	School System / Class	研究所碩士班1年2班
Lecturer	蘇慶良	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	(四)BCD / H504	Language	Chinese

Introduction
The topics of the follows are discussed in this course: Fourier transform, image file reading, Sobel operator, Searching and thinning edge operator. Finally the result of the Fourier transform is used to classify different objects.

Outline
1. Introduction of pattern recognition (影像識別介紹)
2. Introduction of pattern recognition (影像識別介紹)
3. Fourier transform (傅綠葉變換)
4. (小考) Fourier transform (傅綠葉變換)
5. Sobel operator (Sobel運算)
6. Sobel operator (Sobel運算)
7. Searching and thinning edge operator (搜尋和細化運算)
8. Searching and thinning edge operator (搜尋和細化運算)
9. 期中考
10. Edge sampling operator (邊緣採樣運算)
11. Edge sampling operator (邊緣採樣運算)
12. (小考) Edge distance calculation (邊緣距離計算)
13. Edge distance calculation (邊緣距離計算)
14. Borland C++ builder ADO object and database (資料庫存取)
15. Borland C++ builder ADO object and database(資料庫存取)
16. Object classification (影像識別)
17. Object classification (影像識別)
18. 期末考

Prerequisite
Non