

98-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	影像處理	Serial No. / ID	0601 / NGR3038
Dept.	工業工程與科技管理學系碩士	School System / Class	研究所碩士班1年1班
Lecturer	蘇慶良	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	NO
Time / Place	(二)234 / H729	Language	English

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
<ol style="list-style-type: none"> 1. Read the Image File 2. Image Histogram 3. Threshold the Image 4. (小考) The 3*3 Cross Medium Filter 5. The Sobel Operator 6. The Searching and Thinning Edge Operator 7. (Borland C++ Builder ADO Object and Database) 8. (Borland C++ Builder ADO Object and Database) 9. Midterm test 10. Fourier Transform 11. Fourier Transform 12. (quiz) Image Filter, Wavelet Transform 13. Color Image processing (Show Subtract Result) 14. Fingerprint Image Thinning 15. Control Points Finding of Fingerprint Image 16. Object Classification(Borland C++ Builder ADO Object and Database) 17. Object Classification(Borland C++ Builder ADO Object and Database) 18. Final test

Prerequisite
on