99-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	影像處理	Serial No. / ID	1204 / 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 / H727	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

- 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

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