朝陽科技大學 096學年度第1學期教學大綱
Introduction to Image Processing 影像處理概論

當期課號	2423	Course Number	2423
授課教師	劉啓東	Instructor	LIU,CHII TUNG
中文課名	影像處理概論	Course Name	Introduction to Image Processing
開課單位	資訊工程系(四日)三A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	本課程將介紹基本的影像處理概念.學生在本課程中,將了解影像增強,影像復原,影像壓縮,影像分割及其相關應用等技術.最後,本課程將整合影像處理技術及各種分類器並介紹其應用領域.	Objectives	This course will introduce fundamental concepts of image processing. The students will realize image enhancement, image restoration, image compression, image segmentation, and their applications following the introduction to this course. Finally, the integration of image processing and various classifiers will be also covered in this course.
教材		Teaching Materials	
成績評量方式	期中考30%，期末考30%，作業30%，態度10%。	Grading	Midterm Exam. 30% Final Exam. 30% Homeworks 30% Attitude 10 %
教師網頁	http://www.csie.cyut.edu.tw/~cdliou/cdliou_index.htm		
教學內容	1.Introduction 2.Image Acquisition, Display 3.Image Sampling and Quantization 4.Image Enhancement 5.Image Restoration 6.Color Image Processing 7.Image Compression 8.Dilation and Erosion, Thinning 9.Image Segmentation	Syllabus	1.Introduction 2.Image Acquisition, Display 3.Image Sampling and Quantization 4.Image Enhancement 5.Image Restoration 6.Color Image Processing 7.Image Compression 8.Dilation and Erosion, Thinning 9.Image Segmentation

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