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

當期課號	7822	Course Number	7822
授課教師	劉啓東	Instructor	LIU,CHII TUNG
中文課名	影像處理	Course Name	Image Processing
開課單位	資訊工程系碩士在職專班一A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	本課程主要簡介基本影像處理之技術.其內容包含：1. 影像成像, 2. 影像取樣及量化, 3. 影像強化處理, 4. 影像重建, 5. 影像壓縮, 6. 影像分割等.	Objectives	This course is mainly understanding the fundamentals of image processing, and its contents consist of :(1) image acquisition, display, (2) image sampling an dquantization, (3) image enhancement, (4) image restoration, (5) image compression, and (6) image segmentation.
教材		Teaching Materials	
成績評量方式	1. Class Attendance:10% 2. Assignments: 40% 3. Paper report and final project: 50%	Grading	1. Class Attendance:10% 2. Assignments: 40% 3. Paper report and final project: 50%
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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