朝陽科技大學 091學年度第2學期教學大綱
Image Processing 影像處理

當期課號	2640	**Course Number**	2640
授課教師	黃惠俞	**Instructor**	HUANG,HUI YU
中文課名	影像處理	**Course Name**	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	本課程將以課堂講授	**Teaching Materials**	
成績評量方式	1. Class Attendance 20% 2. Assignments: 50% 3. Project: 30%	**Grading**	1. Class Attendance 20% 2. Assignments: 50% 3. Project: 30%
教師網頁			
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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