朝陽科技大學 097學年度第2學期教學大綱
Digital Signal Processing 數位訊號處理

當期課號	7477	Course Number	7477
授課教師	廖俊鑑	Instructor	LIAW,JIUN JIAN
中文課名	數位訊號處理	Course Name	Digital Signal Processing
開課單位	資訊與通訊系碩士班一A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	1.訊號與訊號處理 2.時域之離散時間訊號與系統 3.轉換域之離散時間訊號 4.數位訊號處理應用 5.二維數位訊號處理 6.高通及低通濾波器 7.小波轉換 8.圖形辨識技術	Objectives	1.signals and signal processing. 2. discrete-time signals and systems in the time-domain. 3.discrete-time signals in the transform-domain 4.applications of digital signals processing 5. 2-D digital signal processing 6.high pass and low pass filters. 7. wavelet transform 8.pattern recognition schemes.
教材	Digital Signal Processing/ Sanjit K. Mitra	Teaching Materials	Digital Signal Processing/ Sanjit K. Mitra
成績評量方式	midterm 30%, final 30%, homework 30%,attendance 10%	Grading	midterm 30%, final 30%, homework 30%,attendance 10%
教師網頁	http://www.cyut.edu.tw/~jjliaw		
教學內容	1.訊號與訊號處理 2.時域之離散時間訊號與系統 3.轉換域之離散時間訊號 4.數位訊號處理應用 5.二維數位訊號處理 6.高通及低通濾波器 7.小波轉換 8.圖形辨識技術	Syllabus	1.signals and signal processing. 2. discrete-time signals and systems in the time-domain. 3.discrete-time signals in the transform-domain 4.applications of digital signals processing 5. 2-D digital signal processing 6.high pass and low pass filters. 7. wavelet transform 8.pattern recognition schemes.

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