

朝陽科技大學 099學年度第1學期教學大綱
Introduction to Digital Signal Processing 數位訊號處理概論

當期課號	2537	Course Number	2537
授課教師	廖梨君	Instructor	LIAO,LI CHUN
中文課名	數位訊號處理概論	Course Name	Introduction to Digital Signal Processing
開課單位	資訊工程系(四日)四A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	本課程在於介紹數位訊號處理及其基礎，讓學生可以設計和實現合成、分析、濾波跟變調等DSP的應用。	Objectives	To introduce Digital Signal Processing and its fundamentals so that students can design and implement synthesis, analysis, filtering and modulation of signals in DSP applications.
教材	書名: Signal Processing First 作者: James H. McClellan, Ronald W. Schafer, and Mark A. Yoder 出版社: Pearson Prentice Hall	Teaching Materials	Title: Signal Processing First Authors: James H. McClellan, Ronald W. Schafer, and Mark A. Yoder Publisher: Pearson Prentice Hall
成績評量方式	(1) Quiz: 35% (2) Midterm Exam: 15% (3) Final Exam: 20% (4) Project: 20% (5) Attendance: 10%	Grading	(1) Quiz: 35% (2) Midterm Exam: 15% (3) Final Exam: 20% (4) Project: 20% (5) Attendance: 10%
教師網頁	http://163.17.10.54		
教學內容	1. Introduction 2. Discrete-Time Signals and Systems 3. Sampling of Continuous-Time Signals 4. The z-Transform 5. Transform Analysis of Linear Time-invariant Systems	Syllabus	1. Introduction 2. Discrete-Time Signals and Systems 3. Sampling of Continuous-Time Signals 4. The z-Transform 5. Transform Analysis of Linear Time-invariant Systems

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