朝陽科技大學 098學年度第2學期教學大綱
Signals & Systems 訊號與系統

當期課號	2895	**Course Number**	2895
授課教師	魏清泉	**Instructor**	WEI,CHING CHUAN
中文課名	訊號與系統	**Course Name**	Signals & Systems
開課單位	資訊與通訊系(四日)二A	**Department**	
修習別	必修	**Required/Elective**	Required
學分數	3	**Credits**	3
課程目標	"本課程使學生能夠 1.了解連續時間與不連續時間訊號、訊號與系統間之特性及其相互關係。(知識) 2.能夠瞭解系統及線性非時變系統的數學模型。(能力) 3.瞭解類比系統以及離散系統的時域與頻域表示法之意義及其重要性。(態度) 4.能描述系統及線性非時變系統之特性並比較之。(其他) "	**Objectives**	The goal of this course isenables students to 1. understand the characteristics and their mutual relations of the continuous time, discrete time signals, and systems. (Knowledge) 2. to understand the system and linear non-time-dependent mathematical model of the systems. (Capacity) 3. understand the simulation system and discrete-time systems-domain and frequency-domain notation of the significance and importance. (Attitude) 4. can describe the system and linear non-time-varying systems characteristics and comparison. (Other)
教材	"Signals and Systems", Simon Haykin & Barry Van Veen	**Teaching Materials**	"Signals and Systems", Simon Haykin & Barry Van Veen
成績評量方式	1. 期中: 30 % 2. 期末: 40 % 3. 小考,作業,出席與平常成積 :30%	**Grading**	1. Midterm exam.:30 % 2. Final exam. :40% 3. Quiz,Attendance,Homework : 30%
教師網頁			
教學內容	1.訊號與系統介紹 2.線性非時變系統的時域表示 3.訊號與線性非時變系統的傅立葉表示 4.Z 轉換	**Syllabus**	1. Introduction 2. Time-Domain Representations of LTI Systems 3. Fourier Representations of Signals & LTI Systems 4. The z Transform