

朝陽科技大學 098學年度第1學期教學大綱
Probabilities and Statistics 機率與統計

當期課號	2918	Course Number	2918
授課教師	許志宇	Instructor	HSU,CHIH YU
中文課名	機率與統計	Course Name	Probabilities and Statistics
開課單位	資訊與通訊系(四日)三A	Department	
修習別	必修	Required/Elective	Required
學分數	3	Credits	3
課程目標	"1. 簡介 2. 基本機率 3. 單一隨機變數 4. 隨機變數函數 5. 雙隨機變數 6. 函數及期望值 7. 特徵函數 8. 多隨機變數 "	Objectives	"1. Introduction. 2. Basic Probability. 3. A Single Random Variable. 4. Functions of a Random Variable and Expectations. 5. Two Random Variables. 6. Expectations and Functions. 7. Characteristic Function. 8. Multiple Random Variables. "
教材	1.The Probability Tutoring Book 2.Probability, Random Variables, and Random Signal Principles, 4th Edition Peyton Peebles Jr., UNIV OF FLORIDA @ GAINESVILLE	Teaching Materials	1.The Probability Tutoring Book 2.Probability, Random Variables, and Random Signal Principles, 4th Edition Peyton Peebles Jr., UNIV OF FLORIDA @ GAINESVILLE
成績評量方式	小考 40% 期末考 30% 期中考 30%	Grading	Class test 40% Midterm Exam 30% Final Exam 30%
教師網頁	http://www.cyut.edu.tw/~tccnchs/		
教學內容	這門課適合大學的資訊與電機領域的同學修習,內容包含基礎理論與實際應用,內容組織方式注重邏輯一貫,讓同學了解機率與統計的概念,同時也將介紹離散時間的隨機程序與序列.將有助於未來對於數位訊號處理及數位時間線性系統的學習.	Syllabus	The course is an introduction to probability theory for the junior-senior level course in electrical engineering. The course offers a careful, logical organization which stresses fundamentals and includes practical applications for engineers to understand probability concepts. The course includes discrete-time random processes and sequences, and other topics in the general area of digital signal processing, such as the DT linear system.

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