朝陽科技大學 097學年度第2學期教學大綱
Probabilities and Statistics 機率與統計

當期課號	2657	Course Number	2657
授課教師	謝政勳	Instructor	HSIEH,CHENG HSIUNG
中文課名	機率與統計	Course Name	Probabilities and Statistics
開課單位	資訊工程系(四日)二B	Department	
修習別	必修	Required/Elective	Required
學分數	3	Credits	3
課程目標	本課程主要介紹基本機率觀念及隨機變數函數，其主要涵蓋的範圍有： 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	This course gives an introduction to the concepts of parability and the functions of random Variables. Topics to be covered are: 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	Introduction to Probability and Statistics (4nd Edition, 2008) by J. Susan Milton and Jesse C. Arnold (滄海圖書代理)	Teaching Materials	
成績評量方式	小考及作業40%, 期中考30%, 期末考30%	Grading	Test and home work 40%, Midterm exam. 30%, Final exam. 30%
教師網頁	_		
教學內容	1. 機率簡介與計數 2. 機率法則 3. 離散分佈 4. 連續分佈 5. 聯合分佈 6. 估計	Syllabus	1. Introduction to Probability and Counting 2. Some Probability Rules 3. Discrete Distribution 4. Continuous Distribution 5. Jointly Distributions 6. Estimation

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