朝陽科技大學 098學年度第2學期教學大綱
Probabilities and Statistics 機率與統計

當期課號	2822	**Course Number**	2822
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C	**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	Probability and Statistics for Engineering and Science (7th Edition, 2008) by Devore (華泰文化出版社代理)	**Teaching Materials**	Probability and Statistics for Engineering and Science (7th Edition, 2008) by Devore (華泰文化出版社代理)
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. 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	**Syllabus**	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.

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