

課程資訊 (Course Information)					
科號 Course Number	09930MBA 501100	學分 Credit	2	人數限制 Class Size	
中文名稱 Course Title	統計學				
英文名稱 Course English Title	Statistics				
任課教師 Instructor	余士迪(YU, SHIH-TI) more information				
上課時間 Time	S9SaSbSc	上課教室 Room	TSMC台積903		
提醒您：請遵守智慧財產權，勿使用非法影印教科書 Please respect the intellectual property rights, do not use illegal copies of textbooks.					
此科目對應之系 所課程規畫所欲 培養之核心能力 Core capability to be cultivated by this course					
課程簡述 (Brief course description)					
課程大綱 (Syllabus)					
1. Objective : The main objective of this course is to provide students the fundamental probability theory and the necessary tools for the analysis of actual and realistic data. To this aim, the course will cover the following topics: numerical descriptive measures, basic probability, some important distributions, and sampling distributions.					
2.TEXTBOOKS: 林惠玲、陳正倉，2011，統計學：方法與應用，最新版，雙葉書廊。 本書注重於統計問題的形成、假設條件的陳述以及統計方法的選定邏輯，至於資料的數值運算，則只使用一組資料來貫穿書中的每一個章節以及各種統計分析方法，以避免例題過多所造成的缺點，並介紹如何使用電腦軟體幫助計算。					
3. Reference Books 管中閔（2004）統計學：觀念與方法；第二版，華泰書局。 Bowerman, Bruce L., O’connell, Richard T., Murphree, Emily S. (2007): Business Statistics in Practice, Fifth Edition, McGraw Hill. (新陸書局代理) Berenson et al., (2006): Basic Business Statistics: Concepts and Applications, 10th edition, Pearson. (華泰文化代理)					
4. Software: Microsoft Excel					
5. Grading Homework Assignment: 20% Midterm Examination: 40% Final Examination: 40%					
6. COURSE OUTLINE Chapter 1: An Introduction to Business Statistics Chapter 2: Descriptive Statistics: Tabular and Graphical Methods Chapter 3: Numerical Descriptive Measures Chapter 4: Basic probability Chapter 5: Some important discrete probability distributions Chapter 6: The normal distribution and other important continuous probability					

distributions

Chapter 7: Sampling and sampling distributions

Chapter 8: Confidence interval estimation

Chapter 9: Hypothesis Testing

Chapter 10: Statistical Inference Based on Two Samples

Chapter 11: Experimental Designs and Analysis of Variance

Chapter 12: Chi-Square Tests

Chapter 13: Simple Linear Regression Model

Chapter 14: Dummy Variables

Chapter 15: Binary Choice Model