

**103 學年度商學院英文授課大綱**

<u>課程名稱</u> Course Title <input type="checkbox"/> 模組 <input type="checkbox"/> 個別	(中文) 統計學 (英文) Statistics
課程目標 Course Objectives	The objective of this course is to provide the students with the essential and fundamental concepts of elementary statistics. At the end of this course, the students should be able to interpret and analyze data arising in their own work .
課程大綱 Course Description	Two-Sample Tests of Hypothesis, Linear Regression and Correlation, Multiple Regression, Time Series and Forecasting, Nonparametric Methods. **All course materials/information are available on the e-learning web site <a href="http://wm3.nccu.edu.tw">http://wm3.nccu.edu.tw</a>
上課進度 Weekly Course Schedule	1. Review and Two-Sample Tests of Hypothesis (Chapter 10, 11) 2. Two-Sample Tests of Hypothesis (Chapter 11) 3. Analysis of Variance (Chapter 12) 4. Analysis of Variance (Chapter 12) 5. Review 6. Midterm 7. Linear Regression and Correlation (Chapter 13) 8. Linear Regression and Correlation (Chapter 13) 9. Multiple Regression and Correlation Analysis (Chapter 14) 10. Multiple Regression and Correlation Analysis (Chapter 14) 11. Time Series and Forecasting (Chapter 16) 12. Time Series and Forecasting (Chapter 16) 13. Review 14. Midterm 15. Nonparametric Methods: Chi-square Applications (Chapter 17) 16. Nonparametric Methods: Analysis of Ranked Data (Chapter 18) 17. Nonparametric Methods: Analysis of Ranked Data (Chapter 18) 18. Statistical Process Control and Quality Management(Chapter19) 19. Review 20. Final Exam

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教學方式 Instructional Method	lecture and lab session
課程要求 Course Requirements	Attend all weekly class meetings and lab session. Do the homework.
評量方式 Evaluation	Midterm exam I: 25% Midterm exam II: 25% Final exam: 40% Homework: 10%
教材及參考書目 Textbooks & Suggested Materials	Statistical Techniques in Business and Economics by Douglas A. Lind William G. Marchal and Samuel A. Wathen (the latest version).
課程相關 連結網址 Course Website	<a href="http://wm3.nccu.edu.tw/">http://wm3.nccu.edu.tw/</a>
備註 Remarks	

申請教師簽章： 周瓊婷 開課單位主管簽章： 