

個別課程英文授課大綱

表單編號：QP-T02-07-11

保存年限：10年

課程名稱 Course Title	(中文) 統計學		
	(英文) Statistics		
授課教師 Instructor	洪英超	開課單位 Departments	統計系
學分數 Credit(s)	3/3	修課對象 Target Students	全校
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 define the real problem, to use graphical and numerical summaries, to apply standard statistical inference procedures, and to draw conclusions from statistical analyses.		
課程大綱 Course Description	The topics include: Two-Sample Tests of Hypothesis, Linear Regression and Correlation, Multiple Regression, Time Series and Forecasting, Nonparametric Methods.		
上課進度 Weekly Course Schedule	<ol style="list-style-type: none"> 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.Linear Regression and Correlation (Chapter 13) 6.Linear Regression and Correlation (Chapter 13) 7.Multiple Regression and Correlation Analysis (Chapter 14) 8.Multiple Regression and Correlation Analysis (Chapter 14) 9.Review 10.Midterm 11.Time Series and Forecasting (Chapter 16) 12.Time Series and Forecasting (Chapter 16) 13.Nonparametric Methods: Chi-square Applications (Chapter 17) 14.Nonparametric Methods: Analysis of Ranked Data (Chapter 18) 15.Nonparametric Methods: Analysis of Ranked Data (Chapter 18) 16.Statistical Process Control and Quality Management(Chapter19) 17.Review 18.Final Exam 		
教學方式 Instructional Method	Lecture and Lab		
課程要求 Course Requirements	NA		

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<p>評量方式 Evaluation</p>	<p>1. Midterm examination ----- 35 % 2. Final examination ----- 35 % 3. Quiz ----- 10 % 4. Homework ----- 10 % 5. Attendance + Participation ----- 10 %</p>
<p>教材及參考書目 Textbooks & Suggested Materials</p>	<p>Statistical Techniques in Business and Economics (14th ed. McGraw Hill 2009) by Douglas A. Lind William G. Marchal and Samuel A. Wathen</p>
<p>課程相關 連結網址 Course Website</p>	<p>http://wm3.nccu.edu.tw</p>
<p>備註 Remarks</p>	