



課 綱 Course Outline
經濟學系學士班

中文課程名稱 Course Name in Chinese	統計學(二)				
英文課程名稱 Course Name in English	Statistics (II)				
科目代碼 Course Code	EC_22000	班 別 Degree	學士班 Bachelor' s		
修別 Type	學程 Program	學分數 Credit(s)	3.0	時 數 Hour(s)	3.0
先修課程 Prerequisite					
課程目標 Course Objectives					
介紹基礎的統計理論與方法，並教導學生如何將統計概念運用於經濟及財務之課題上，使學生具備分析資料的能力。					
系教育目標 Dept.' s Education Objectives					
1	培育具專業知識與實務發展潛力的優秀經濟人才。 Educate students to be equipped with professional knowledge and empirical skills in economics				
系專業能力 Basic Learning Outcomes				課程目標與系專業能力相關性 Correlation between Course Objectives and Dept.' s Education Objectives	
A	數理分析能力：應用數學與賽局理論分析與解決經濟議題的能力。 Mathematical analysis skills: application of mathematical theories and game theory to analyze economic issues				
B	實證經濟分析能力：善用資訊科技進行資訊蒐集、資料統計與計量分析 Empirical analysis skills: application of statistics and econometrics in data collection and examination				●
C	微觀經濟之闡釋能力：通曉個體經濟學相關的理論與應用。 Microeconomic perspective: understanding of microeconomic theories and relevant application				
D	宏觀經濟之闡釋能力：通曉總體經濟學相關的理論與應用。 Macroeconomic perspective: understanding of macroeconomic theories and relevant application				

E	樂活能力：具備適應現代社會的學養以及就業能力。 Employment opportunities: capabilities of working on important policy and decision challenges in business and government	
圖示說明Illustration：● 高度相關 Highly correlated ○ 中度相關 Moderately correlated		
<p style="text-align: center;">課程大綱 Course Outline</p>		
<ol style="list-style-type: none"> 1. Estimation and Confidence Interval 2. Hypothesis Testing: Single Population 3. Hypothesis Testing: Additional Topics 4. Analysis of Variance 5. Nonparametric Statistical Methods 6. Correlation and Linear Regression 		
<p style="text-align: center;">資源需求評估（師資專長之聘任、儀器設備的配合．．．等） Resources Required (e.g. qualifications and expertise, instrument and equipment, etc.)</p>		
<p style="text-align: center;">課程要求和教學方式之建議 Course Requirements and Suggested Teaching Methods</p>		
本課程以講授方式進行，輔以課堂討論。		
<p style="text-align: center;">其他 Miscellaneous</p>		