



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 | HASS10040 | 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 | | | | | |
| 除提供學生基本之統計學知識外，並介紹如何將基本統計概念運用於經濟及財務之課題上，使學生能充分了解並熟悉統計學之理論及應用。 | | | | | |
| 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 | <p>樂活能力：具備適應現代社會的學養以及就業能力。</p> <p>Employment opportunities: capabilities of working on important policy and decision challenges in business and government</p> | |
| <p>圖示說明Illustration：● 高度相關 Highly correlated ○ 中度相關 Moderately correlated</p> | | |
| <p style="text-align: center;">課程大綱 Course Outline</p> | | |
| <p>1、Regression Analysis: (1) Analysis of Variance (2) Bivariate Regression (3) Multiple Regression (4) Applied Regression Analysis</p> <p>2、Selected Topics in Statistical Analysis for Business and Economics (1) Time-Series: Analysis, Model, and Forecasting (2) Chi-Square Tests (3) Nonparametric Statistics (4) Quality Management</p> | | |
| <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>1. 需要具有相關背景的師資。 2. 需要設備包括單槍投影機、配有相關統計軟體的電腦等設備配合。</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> | | |
| <p>本課程以講授方式進行，輔以課堂討論。</p> | | |
| <p style="text-align: center;">其他 Miscellaneous</p> | | |
| | | |