



課 綱 Course Outline  
財務金融學系學士班國際組

|  |   |                  |                    |  |     |
|--|---|------------------|--------------------|--|-----|
| 中文課程名稱<br>Course Name in Chinese   | 統計學(二)  |                  |                    |  |     |
| 英文課程名稱<br>Course Name in English   | Statistics(II)  |                  |                    |  |     |
| 科目代碼<br>Course Code  | FIN_B0110   | 班 別<br>Degree    | 學士班<br>Bachelor' s |  |     |
| 修別<br>Type   | 學程<br>Program   | 學分數<br>Credit(s) | 3.0                | 時 數<br>Hour(s)   | 3.0 |
| 先修課程<br>Prerequisite   |   |                  |                    |  |     |
| 課程目標<br>Course Objectives  |   |                  |                    |  |     |
| Statistics is concerned with mathematical methods for collecting, summarizing, presenting, and analyzing data. This course introduces and explains the statistical methods and tools. Some mathematical techniques and empirical methods for the analysis and application of business data are concerned. Emphasis of this course is on the understanding and applications of statistical tests, type errors, the chi-square test, curve fitting, regression analysis, correlation analysis, analysis of variance, and non-parametric tests. |   |                  |                    |  |     |
| 系教育目標<br>Dept.' s Education Objectives   |   |                  |                    |  |     |
| 1  | 培育財務金融業之管理人<br>Cultivate talents with a skill of financial management.  |                  |                    |  |     |
| 2  | 培育具備投資理財能力之人才<br>Cultivate talents with a skill of investment and manage finances.  |                  |                    |  |     |
| 3  | 培育政府及企業所需之財務人才<br>Trains the talents needed for our nation' s economic and business environment.                              |                  |                    |  |     |
| 系專業能力<br>Basic Learning Outcomes   |   |                  |                    | 課程目標與系專業能力相關性<br>Correlation between Course Objectives and Dept.' s Education Objectives |     |
| A  | 具備經濟學、會計學、統計學及數學的基礎能力<br>Basic knowledge of the financial theory Economics, accounting, statistical and mathematical ability. |                  |                    | ●  |     |
| B  | 具備財務金融基本學理<br>Understanding of the development of the financial disciplinal.  |                  |                    | ○  |     |

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|---|--|---|
| C | 具備運用財務金融學理進行分析能力<br>Basic knowledge of financial theory analysis.                | ● |
| D | 具備資料整理、書面呈現或口頭報告之能力<br>Basic knowledge of documentation and presentation skills. | ● |
| E | 具備財經時事基本分析能力<br>Capabilities for financial analysis of current affairs           |   |
| F | 具備電腦程式運算及應用基本能力<br>Ability of computer programs, algorithms and applications     | ● |
| G | 具備英語閱讀溝通協調等基本能力<br>English reading ability of communication and coordination     | ○ |

圖示說明 Illustration : ● 高度相關 Highly correlated ○ 中度相關 Moderately correlated

課程大綱  
Course Outline

Statistical tests  
Regression analysis  
Chi-square test  
Correlation theory  
Analysis of variance  
Non-parametric tests  
Other statistical analysis

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.)

Projector  
Computer

課程要求和教學方式之建議  
Course Requirements and Suggested Teaching Methods

Lecture  
Question and Answer

其他  
Miscellaneous