# 南台科技大學 103 學年度第 1 學期課程資訊

| | |
|---|---|
| 課程名稱 | 統計方法 |
| 課程編碼 | N0M01601 |
| 系所代碼 | 0N |
| 開課班級 | 碩商管國際一甲 |
| 開課教師 | 顏慧 |
| 學分 | 3.0 |
| 時數 | 3 |
| 上課節次地點 | 四 6 7 8 教室 S209A |
| 必選修 | 必修 |
| 課程概述 | This course is the first part of a sequence of statistical data analysis courses: "Statistical Data Analytic Methods", and "Advanced Statistical Data Analytic Methods". Materials covered in the sequence consist of "univariate" statistical methods, and "multivariate" statistical methods. <br><br> These courses are to help students, primarily from business and social sciences, learn the application of the basic and advanced data analytic techniques. We will emphasize the concept of every given technique and its use, and will help students learn how to interpret the resulting output obtained from the widely used statistical packages: SPSS(Statistical Package for Social Sciences), and AMOS(Analysis of moment structures). |
| 課程目標 | |
| 課程大綱 | 1. Introduction <br> (1) Types of Measurement Scales <br> (2) Types of Data <br> (3) Classification of Data Analytic Methods <br> 2. Hypothesis Testing <br> 3. Assumptions Checking <br> (1) Homogeneity <br> (2) Normality <br> 4. Analysis of Variance (ANOVA) <br> 5. Correlation Analysis <br> 6. Regression Analysis <br> 7. Chi-Square Tests of Independence <br> 8. Analysis of Data for Multiple Choices <br> 9. Exploratory Factor Analysis (EFA) <br> 10. Reliability and Validity Analysis |

| 英文大綱 | 1. Introduction |
|---|---|
| | (1) Types of Measurement Scales |
| | (2) Types of Data |
| | (3) Classification of Data Analytic Methods |
| | 2. Hypothesis Testing |
| | 3. Assumptions Checking |
| | (1) Homogeneity |
| | (2) Normality |
| | 4. Analysis of Variance (ANOVA) |
| | 5. Correlation Analysis |
| | 6. Regression Analysis |
| | 7. Chi-Square Tests of Independence |
| | 8. Analysis of Data for Multiple Choices |
| | 9. Exploratory Factor Analysis (EFA) |
| | 10. Reliability and Validity Analysis |
| 教學方式 | |
| 評量方法 | |
| 指定用書 | |
| 參考書籍 | |
| 先修科目 | |
| 教學資源 | |
| 注意事項 | |
| 全程外語授課 | 1 |
| 授課語言 1 | 英語 |
| 授課語言 2 | |
| 輔導考照 1 | |
| 輔導考照 2 | |