

朝陽科技大學 093學年度第1學期教學大綱
Quantitative Methodology(2) 數量方法(二)

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| 當期課號 | 7780 | Course Number | 7780 |
| 授課教師 | 朱瑞淵 | Instructor | CHU,JUI YUAN |
| 中文課名 | 數量方法(二) | Course Name | Quantitative Methodology(2) |
| 開課單位 | 休閒事業管理系碩士在職專班二A | Department | |
| 修習別 | 選修 | Required/Elective | Elective |
| 學分數 | 3 | Credits | 3 |
| 課程目標 | 講授論文分析之基本數量方法，包括相關分析、交叉分析、變異數分析、迴歸分析、時間數列等方法，讓學生瞭解並具有撰寫論文之數量分析能力。 | Objectives | This course will discuss the basic quantitative methods for students used in their thesis. The subjectives will include forecasting methods, time series, regression, econometrics, correlation analysis, crosstabulation analysis, ANOVA, princomple components analysis and factor analysis. |
| 教材 | 1. 多變量分析, 陳順宇 著 2. "Regression Model for Categorical and Limited Dependent Variable", J. Scott Long, 1997 | Teaching Materials | |
| 成績評量方式 | 平時成績 (30%)、期中考 (30%)、期末報告 (40%) | Grading | HW (30%)、Midterm (30%)、Final oral report (40%) |
| 教師網頁 | - | | |
| 教學內容 | 本課程延續數量方法(一)之內容，教授論文撰寫所需之數量方法。 1. 多變量資料之判定與基本矩陣介紹 2. 主成分分析與因素分析 3. 多變量變異數分析 4. 集群分析 5. 線性結構方程式 6. 進階迴歸分析 | Syllabus | This course will continue the content of the previous course to teach the quantitative methods used in the thesis. The following will be discussed : 1. Determination of multivariate data and introduction of basic concept of matrix 2. Principal componet analysis and factor analysis 3. Multivariate analysis of variance 4. cluster analysis 5. Structure equation model 6. Advanced regression analysis |

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