

朝陽科技大學 093學年度第2學期教學大綱  
Multivariate Analysis 多變量分析

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|--------|---|--------------------|--|
| 當期課號   | 7106  | Course Number      | 7106   |
| 授課教師   | 洪弘祈   | Instructor         | HORNG,HORNG CHYI   |
| 中文課名   | 多變量分析   | Course Name        | Multivariate Analysis  |
| 開課單位   | 工業工程與管理系碩士班一A   | Department         |  |
| 修習別    | 選修  | Required/Elective  | Elective   |
| 學分數    | 3   | Credits            | 3  |
| 課程目標   | 使學生具備下述之能力： a. 了解多變量分析應用之時機； b. 使用 SPSS?求解多變量問題； c. 解釋多變量分析之統計報表； d. 執行敏感度分析並解釋其結果； e. 有效溝通並呈現多變量分析結果。        | Objectives         | Students will be able to: a. Identify a potential multivariate analysis-related problem. b. Solve multivariate problems via SPSS? software. c. Interpret statistical reports after multivariate analysis. d. Conduct sensitivity analysis and interpret results. e. Communicate the results of multivariate analysis both orally and in writing. |
| 教材     | Hair, J.F. et al., Multivariate Data Analysis (5th Edition), Prentice-Hall International, Inc.(1998) (華泰書局代理) | Teaching Materials |  |
| 成績評量方式 | 1. 專題報告 50%<br>2. 考試 50%  | Grading            | 1. Presentation and Project 50%<br>2. Exam 50%   |
| 教師網頁   | <a href="http://www.cyut.edu.tw/~hchorng">http://www.cyut.edu.tw/~hchorng</a>                                 |                    |  |
| 教學內容   | 運用統計方法描述並分析多變量資料。藉由實務個案研討與學生簡報學術論文的方式，提昇學生使用多變量分析統計手法之能力。   | Syllabus           | The principles and practices of statistical methods for describing and analyzing multivariate data. Literature reviews concerning the application of multivariate methods on industry as well as academy are emphasized through students' presentation and project writing.  |

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