# 朝陽科技大學 096學年度第2學期教學大綱
# Advanced Social Statistics 進階社會統計

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| **當期課號** | 7352 | **Course Number** | 7352 |
| **授課教師** | 李克明 | **Instructor** | LEE,KEH MING |
| **中文課名** | 進階社會統計 | **Course Name** | Advanced Social Statistics |
| **開課單位** | 社會工作系碩士班一A | **Department** | |
| **修習別** | 必修 | **Required/Elective** | Required |
| **學分數** | 2 | **Credits** | 2 |
| **課程目標** | 本課程涵蓋推論統計的基本原理，及行為科學研究的實際應用，藉由循序結構的教材講義，配合例題的講解實作，使學生能：1.了解統計推論的原理與基本概念；2.就不同性質的資料與研究設計，選擇適當的統計方法；3.依據樣本結果，對母群體作合理的推論；4.正確地解釋研究結果的意義；5.運用統計套裝軟體進行資料分析；6.培養處理資料時應具備的邏輯思考能力，奠定研究社會科學的基礎。 | **Objectives** | This course is designed to cover basic principles of inferential statistics and practical application for the research of behavioral science. Through the highly-organized teaching materials, along with the example explanations and practice, students are able to: 1.understand principles and basic concepts of statistical inference, 2.choose appropriate statistical methods for different data and research designs, 3.make reasonable inference about the population according to the sample result, 4.explain the meaning of research results correctly, 5. analyze data |
| **教材** | 1.林清山(1992)。心理與教育統計學。台北<br>：三民書局。<br>2.相關補充資料 | **Teaching Materials** | |
| **成績評量方式** | 1.出席並參與課堂討論10%<br>2.作業20%<br>3.隨堂小考50%<br>4.期末考試20% | **Grading** | 1.Class attendance and discussion. 10% 2.Assignments. 20%<br>3.quits. 50%<br>4.Final exam. 20% |
| **教師網頁** | | | |
| **教學內容** | 本課程內容包括推論統計的基本原理與重要概念，以及各類統計方法的實際應用。授課重點包括抽樣分配的原理、假設考驗的步驟、信賴區間的估計、t考驗、卡方考驗、不同因子的變異數分析與事後比較、相關與迴歸分析、共變數分析等。 | **Syllabus** | The content of this course includes basic principles and important concepts of inferential statistics. The practical application of different statistical methods is also emphasized. The main topics include principles of sampling distribution, steps of hypothesis testing, estimation of confidence interval, t-test, Chi-square test, analysis of variance for different factors and multiple comparisons, correlation and regression analysis, and analysis of covariance. |

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