

朝陽科技大學 092學年度第2學期教學大綱  
Advanced Educational Statistics(II) 高等教育統計學(二)

當期課號	7726	Course Number	7726
授課教師	李克明	Instructor	LEE,KEH MING
中文課名	高等教育統計學(二)	Course Name	Advanced Educational Statistics(II)
開課單位	幼兒保育系碩士在職專班一A	Department	
修習別	必修	Required/Elective	Required
學分數	2	Credits	2
課程目標		Objectives	
教材	1.講述; 2.例題演示; 3.課堂練習; 4.複習測驗討論	Teaching Materials	1.Lecture; 2.Example demonstration; 3.Class practice; 4.Review exercise and discussion
成績評量方式	1.出席與課堂討論30%; 2.期中考試30%; 3.期末考試40%	Grading	1.Class attendance and discussion. 30%; 2. Midterm exam. 30%; 3.Final exam. 40%
教師網頁	-		
教學內容	本課程以闡述推論統計的基本原理，及行為科學研究的實際應用為主要內容，強調統計推論的理論基礎，並針對不同性質的資料與研究設計，選擇適當的統計方法。授課重點包括相關與迴歸分析；概率與統計推論的原理；比例、相關及變異數的推論；不同因子的變異數分析與事後比較；共變數分析等。	Syllabus	This course is designed to cover basic principles of inferential statistics and practical application for the research of behavioral science. The theoretical bases of statistical inference, and appropriate statistical methods for different data and research designs are the most emphasized. The main topics include correlation and regression analysis; probability and principles of statistical inference; inferences about proportions, correlation coefficients, and variances; analysis of variance for different factors and multiple comparisons; analysis of covariance.

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