朝陽科技大學 092學年度第1學期教學大綱
Social Statistics 社會統計

當期課號	3450	Course Number	3450
授課教師	蕭文高	Instructor	HSIAO,WEN KAO
中文課名	社會統計	Course Name	Social Statistics
開課單位	社會工作系(四進)二A	Department	
修習別	必修	Required/Elective	Required
學分數	2	Credits	2
課程目標	一.本課程包含描述性統計與推論性統計方法之介紹。內容強調統計方法在社會工作領域的應用，並且全程配合SPSS教學，以增加學員實際練習經驗。 二.本課程重點爲各種推論性統計方法，包括直線迴歸，變異數分析，以及無母數統計等。	Objectives	1.The contents of this course include descriptive statistics and inferential statistics. The application of statistics in social work is emphasized with SPSS tutorial. 2.This course introduces the techniques of inferential statistics including ANOVA, regression and nonparametric tests.
教材	1.教師講授：課程的每個主題將由教師講授，並請同學上機進行SPSS的練習。 2.課堂作業：每週將會有課堂作業，其目的在讓學生能瞭解社會統計的概念以及計算技巧。 3.考試：本學期將會有期中及期末考試。	Teaching Materials	1.Teaching by instructor: Instructor will teach each subject of the course before students using the SPSS on computer. 2.Homework: Homework will be assigned approximately a weekly basis. The purpose of homework is to help students understanding concepts and calculating technologies in social science statistics. 3.Examinations: There will be midterm and final examination.
成績評量方式	課堂作業30% 期中考30% 期末考30% 出席10%	Grading	Homework30% Midterm Examination30% Final Examination30% Participation10%
教師網頁			
教學內容	本課程是專爲社會工作學系學生所設計的社會統計基礎課程，學生將可學習到有關描述性與推論統計的基本概念，例如假設形成、抽樣、以及資料分析等，主要的內容包括：描述統計：次數分配、圖表呈現、集中以及離散量數的測量。基本的機率概念。推論統計：相關係數、卡方檢定、變異數分析等。SPSS統計軟體的練習與運用。	Syllabus	The goal of the course is to provide a basic foundation in social science statistics and has been designed for undergraduates who major in social work. Students are introduced to the concepts and procedures that are fundamental to both descriptive and inferential statistics. The course addresses key research concepts and procedures such as hypothesis formulation, measurement, sampling, and especially in date analysis. The main contents include:Descriptive statistics: frequency distribution, graphic presentation, measure of central tendency and dispersion. Basic probability concepts. Inferential statistics: correlations coefficients, chi-square test, ANOVA etc. Practicing and using the statistical software - SPSS

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