朝陽科技大學 092學年度第2學期教學大綱
Statistics 統計學

當期課號	4033	**Course Number**	4033
授課教師	李朱慧	**Instructor**	LEE,CHU HUI
中文課名	統計學	**Course Name**	Statistics
開課單位	資訊管理系(二日)三A	**Department**	
修習別	必修	**Required/Elective**	Required
學分數	3	**Credits**	3
課程目標	課程概述：以敘述統計及統計推論爲主要研討對象，著重統計觀念的建立與基本統計理論的介紹。內容包括1.緒論 2.統計圖與統計表 3.統計測量數 4.機率論 5.常用的機率分配 6.統計估計 7.假設檢定 8.卡方檢定等。	**Objectives**	The objective of this course is to provide students with an introductory survey of the many applications of descriptive and inferential statistics. The contents include: (1) Introduction. (2) Describing Data: Frequency Distributions and Graphic Presentation. (3) Describing Data: Measures of Location and Dispersion. (4) Probability. (5) Probability Distributions. (6) Estimations. (7) Tests of Hypothesis. (8) Chi-square Test.
教材	人類的各種活動及自然界的現象會產生大量資料，對於這些資料需要以科學有效的方法來處理，統計學就是討論資料處理與分析的一門學問。 教學方法著重例題講解, 讓學生能熟悉題型進而能加以應用。	**Teaching Materials**	This course shows students how to covert data into meaningful information. Not only will this course teach students how to apply formulas to data and derive results; it will also build students' skill in interperting the results of their work, and expressing their findings in meaningfully written reports.
成績評量方式	期中考: 35分 期末考: 35分 作業: 30分	**Grading**	Midterm examination: 35% Final examination: 35% Homework: 30%
教師網頁	www.cyut.edu.tw/~chlee		
教學內容	1.緒論 2.統計圖與統計表 3.統計測量數 4.機率論 5.常用的機率分配 6.統計估計 7.假設檢定 8.卡方檢定	**Syllabus**	1.Introduction 2.The organinzation and Display of Data 3.Statistical Descriptions 4.Probabilities 5.Probability Distributions 6.Estimations 7.Hypothesis Testing and Decision Making Using means 8.Chi-square Testing

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