朝陽科技大學 099學年度第1學期教學大綱
Statistics 統計學

當期課號	1145	Course Number	1145
授課教師	楊文華	Instructor	YANG,WEN HUA
中文課名	統計學	Course Name	Statistics
開課單位	企業管理系(四日)二C	Department	
修習別	必修	Required/Elective	Required
學分數	3	Credits	3
課程目標	本課程旨在使學生熟悉統計基本概念、原理及技巧,使其能對相關資料作組織、彙整、衡量並根據資料所得的結果加以評估及推論以幫助吾人作決策,一學年課程包括1. 統計學的意義與應用 2. 資料的類型 3. 機率的基本概念 4. 敘述統計的種類、計算與應用5.常用的機率分配模型 6. 抽樣分配與其應用 7. 估計的觀念與介紹 8. 假設檢定的介紹與其應用9.卡方檢定 10. 變異數分析 11.相關與簡單線性迴歸分析。	Objectives	The purpose of this course is to acquaint the students with the statistical concepts,fundamentals and techniques needed to organize,measure and evaluate data that may then be used to support people to make better decisions in the face of uncertainty.Topics include:1. The meaning and application of statistics 2. Type of data 3. Basic principle of probability 4. Introduction of descriptive statistics and its applications5.Discrete and continuous probability 6. Sampling distribution and its application 7. Introduction and concept of estimation 8. Hypothesis testing 9.Chi-square testing 10.Analysis of variance 11.Correlation and simple linear regression analysis
教材	統計學 : 商業與管理的應用 / 陳建勝等著 智勝文化出版	Teaching Materials	Statistics : applications in business and management
成績評量方式	課程參與度20% 小考20% 期中考30% 期末考30% (上述比重將依實際授課情形進行彈性調整)	Grading	participation 20% quizes 20% midterm 30% finalterm 30%
教師網頁	http://lms.ctl.cyut.edu.tw/		
教學內容	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。內容包括敘述統計量分析、統計圖表、機率與機率分配、抽樣與抽樣分配、估計、假設檢定等。	Syllabus	This course introduce the basic concepts of descriptive statistics and inferential statistics. It including the following main topics: the analysis of descriptive statistics, graphical representation and tabular method, probability and important probability distributions, sampling, distribution of sampling, estimation, test, etc.

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