朝陽科技大學 092學年度第1學期教學大綱
Engineering Statistics(2) 工程統計(二)

當期課號	1078	**Course Number**	1078
授課教師	江支弘	**Instructor**	CHIANG,CHIH HUNG
中文課名	工程統計(二)	**Course Name**	Engineering Statistics(2)
開課單位	營建工程系(四日)四A	**Department**	
修習別	選修	**Required/Elective**	Elective
學分數	2	**Credits**	2
課程目標	本課程爲選修2學分之課程，爲工程統計(一)之延伸課程。課程重點在於使學生了解如何蒐集資訊，並應用統計與機率解析資訊，並訓練學生進行團隊合作、簡報與撰寫報告。講授主要內容包括統計估計、假設檢定、變異數分析與實驗設計等。	**Objectives**	This course focuses on statistical inferences. Main topics include statistical estimates, hypothesis testing, analysis of variance, and introductory simulations. The course enables the students to familiarize with the concept of inferential statistics and related applications on engineering problems. Students also benefit from interactive learning processes, within individual group, that lead to a term project and oral presentation.
教材	統計概念與案例爲主，機率與數理統計的比重次之，期末報告以統計工具解決或分析特定實例	**Teaching Materials**	
成績評量方式	學習態度(含作業1-2次) 15% 課堂討論參與 20% 小考2次共 20% 期末報告 口頭25% 書面20%	**Grading**	Learning participation and Home assignments 15%; Contribution to discussion 20%; Quiz 20%; Term report and oral presentation 20% + 25%
教師網頁			
教學內容	Review of sampling and experiments; Statistical testing; Analysis of variance; Experimental design; Probabilities and simulations.	**Syllabus**	Review of sampling and experiments; Statistical testing; Analysis of variance; Experimental design; Probabilities and simulations.

尊重智慧財產權，請勿非法影印。