朝陽科技大學 096學年度第1學期教學大綱
Advanced Statistical Methods 高等統計方法

當期課號	7158	Course Number	7158
授課教師	簡郁紘	Instructor	,
中文課名	高等統計方法	Course Name	Advanced Statistical Methods
開課單位	工業工程與管理系碩士班一A	Department	
修習別	必修	Required/Elective	Required
學分數	3	Credits	3
課程目標	本課程主要介紹進階統計學的理論、方法、與應用，並偏重於基礎數理統計、迴歸分析與變異數分析等。	Objectives	This course aims to provide advanced statistics theory and some application of statistical methods. Selected topics are: basic concept of mathematical statistics, regression, analysis of variance (ANOVA), etc
教材	教科書：Sheldon M. Ross, Introduction to Probability and Statistics for Engineers and Scientists, 2nd Ed., Academic Press, 2000 (ISBN: 0125984723)(滄海書局代理) 參考書：Hines,W. W., Montgomery, D. C. Goldsman D. M. and Borror, C. M.,Probability and Statistics in Engineering (4th Edition), 2003, John Wiley and Sons, Inc.	Teaching Materials	
成績評量方式	A. 平常成績：共45 % (1)作業：15% (2)小考：30% B. 期中考 25% C. 期末考 30%	Grading	Homework: 15% Exam: 30% Midterm Exam 25% Final Exam 30%
教師網頁	www.cyut.edu.tw/~cycheng		
教學內容	本課程主要介進階紹統計學的理論與統計方法的應用。內容包含數理統計之基本觀念與理論、迴歸分析、變異數分析等。	Syllabus	This course aims to provide advance statistics theory and some application of statistical methods. Selected topics are: basic concept of mathematical statistics, regression, analysis of variance (ANOVA), etc.

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