

朝陽科技大學 097學年度第1學期教學大綱
Advanced Statistical Methods 高等統計方法

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| 當期課號 | 7155 | Course Number | 7155 |
| 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 | 本課程主要介紹進階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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