# 朝陽科技大學 094學年度第1學期教學大綱
# Educational Statistics 教育統計學

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| 當期課號 | 2169 | Course Number | 2169 |
| 授課教師 | 蔡嫦娟 | Instructor | TSAY,CHARNG JIUAN |
| 中文課名 | 教育統計學 | Course Name | Educational Statistics |
| 開課單位 | 幼兒保育系(四日)三A | Department | |
| 修習別 | 必修 | Required/Elective | Required |
| 學分數 | 3 | Credits | 3 |
| 課程目標 | 本課程的目標是希望幫助學生能夠對於次數分配、集中量數、變異量數、相對地位量數…等基礎性的統計方法，具有正確的統計概念，以便能夠正確地運用統計方法。 | Objectives | The objectives of the course are to help students to acquire correct statistical concepts and to use statistical methods accurately for fundamental statistical methods. The fundamental statistical methods include frequency distribution, measures of central location, measures of variation, measures of relative position, etc. |
| 教材 | 心理與教育統計學——林清山著（東華書局）<br>統計學與Excel資料分析之實習應用——王文中著（博碩文化） | Teaching Materials | |
| 成績評量方式 | 課堂參與及作業成績（20%）<br>期中考（40%）<br>期末考（40%） | Grading | class participation & homework (20%)<br>midterm exam (40%)<br>final exam (40) |
| 教師網頁 | | | |
| 教學內容 | 介紹教育統計學領域的主要範疇：1. 描述性統計，包括資料整理、圖表、集中趨勢、離散度等；2. 統計推論，包括機率分配、抽樣及抽樣分配、母數估計、與假設檢定；3. 介紹如何使用電腦軟體Excel進行統計運算。 | Syllabus | The main purpose of this course is to introduce the important concepts and techniques in educational statistics including: 1. descriptive statistics, such as how to present data, graphs & tables, central tendency, and dispersion; 2. inferential statistics, such as probability, sampling, sampling distribution, estimation of parameters, and hypothesis tests; 3. application of Excel in statistics. |

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