# 朝陽科技大學 094學年度第1學期教學大綱
# Calculus(I) 微積分(一)

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| 當期課號 | 1549 | Course Number | 1549 |
| 授課教師 | 陳協慶 | Instructor | CHEN,HSIEH CHING |
| 中文課名 | 微積分(一) | Course Name | Calculus(I) |
| 開課單位 | 工業工程與管理系(四日)一B | Department | |
| 修習別 | 必修 | Required/Elective | Required |
| 學分數 | 3 | Credits | 3 |
| 課程目標 | 本課程旨在教授學生微分的基礎數學知識以及應用微分技巧解決某些應用性的問題。 | Objectives | This course aims to provide students with fundamental knowledge of derivatives and some applications solved with differential techniques. |
| 教材 | Calculus, by James Stewart, 5th ed | Teaching Materials | |
| 成績評量方式 | 小考60%，期中、期末考各佔20% | Grading | Quiz 60%, Midterm 20%, Final 20% |
| 教師網頁 | https://www.cyut.edu.tw/~hcchen | | |
| 教學內容 | 本課程旨在教授學生微分的基礎數學知識以及應用微分技巧解決應用性的問題。主題包括極限、微分法則、區間極值、曲線凹凸特性、二階微分測試、及牛頓法等。 | Syllabus | This course aims to provide students with fundamental knowledge of derivatives and applications solved with differential techniques.<br>Topics cover evaluating limits analytically, differention rules, extrema on an interval, concavity & 2nd derivative tests, and Newton's method. |

尊重智慧財產權，請勿非法影印。