# 朝陽科技大學 097學年度第2學期教學大綱
# Calculus 微積分

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| 當期課號 | 1055 | Course Number | 1055 |
| 授課教師 | 黃政治 | Instructor | HUANG,CHENG CHIH |
| 中文課名 | 微積分 | Course Name | Calculus |
| 開課單位 | 財務金融系(四日)一B | Department | |
| 修習別 | 必修 | Required/Elective | Required |
| 學分數 | 3 | Credits | 3 |
| 課程目標 | 著重在積分的介紹與應用.此課程乃要幫助學生學會反導數,以及它的推導和應用.另外也要幫助學生學會並運用部分積分和重積分的工具,去解決複雜的積分問題.若時間許可,泰勒多項式和無窮級數也會包含在此課程中,因其在財務金融的領域上也是常被用到的工具. | Objectives | This course will involve introduction to integration, the method of integration, the application of definite integration, partial derivatives, multi-integration, and, if time allowing, differential equations and Taylor polynomials and infinite series. |
| 教材 | 微積分, Stewart, 新月圖書. | Teaching Materials | Calculus, Stewart, 新月圖書. |
| 成績評量方式 | 期中考40%<br>期末考45%<br>小考15% | Grading | Midterm 40%<br>Final 45%<br>Test 15% |
| 教師網頁 | | | |
| 教學內容 | 1.積分<br>2.積分應用<br>3.數列與級數<br>4.數列與級數應用 | Syllabus | 1. The concept of Integration<br>2. The application of Integration<br>3. Sequences and Series<br>4. The application of Sequences and Series |

尊重智慧財產權，請勿非法影印。