# 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 | 2394 | Course Number | 2394 |
| 授課教師 | 王德譽 | Instructor | WANG,DE YU |
| 中文課名 | 微積分(一) | Course Name | Calculus(I) |
| 開課單位 | 資訊工程系(四日)一A | Department | |
| 修習別 | 必修 | Required/Elective | Required |
| 學分數 | 3 | Credits | 3 |
| 課程目標 | 本課程主要介紹微分及積分的定義、技巧及應用，其主要涵蓋的範圍有：<br>1. 極限與連續性<br>2. 微分<br>3. 微分的應用<br>4. 積分<br>5. 定積分的應用<br>6. 積分的技巧<br>7. 一次微分方程式<br>8. 無窮級數 | Objectives | This course gives an introduction to the definitions, techniques and applications of differentiation and integration. Topics to be covered are:<br>1. Limits and continuity<br>2. Differentiation<br>3. Applications of differentiation<br>4. Integration<br>5. Applications of the definite integral<br>6. Integration techniques<br>7. Fist-order differential equations<br>8. Infinite series |
| 教材 | R. T. Smith and R. B. Minton "Calculus" 2e, 2002.. | Teaching Materials | |
| 成績評量方式 | 平時成績40%，期中考30%，期末考30% | Grading | Tests and homeworks 40%, midterm 30%, final 30% |
| 教師網頁 | | | |
| 教學內容 | 1.了解函數、微分、積分及極限之意義及其關係。<br>2.熟練微分及積分的技巧。 | Syllabus | 1.To understand the meaning and the relationships of the functions, the derivative, integral and limits.<br>2.To practice the thchniques of the differentaion and the integration. |

尊重智慧財產權，請勿非法影印。