# 朝陽科技大學 091學年度第1學期教學大綱
# Calculus 微積分

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| 當期課號 | 1303 | Course Number | 1303 |
| 授課教師 | 簡蒼調 | Instructor | JUAN,CHANG TIAU |
| 中文課名 | 微積分 | Course Name | Calculus |
| 開課單位 | 資訊管理系(四日)一A | Department | |
| 修習別 | 必修 | Required/Elective | Required |
| 學分數 | 3 | Credits | 3 |
| 課程目標 | 本課程之目的在使學生能瞭解微積分的基本原理和應用的技術，課程內容包含1.實數、函數與其圖形 2.導函數與微分 3.微分的應用 4.指數函數與對數函數的微分 5.反導函數和積分的定義 6.三角函數的微分&積分 7.積分技術 | Objectives | The main purpose of this course is to let students understand the fundamental principles of the differential integral calculus and its basic techniques of applications. The content involves real numbers, functions and graphs, the derivative and its applications, derivatives of exponential and logarithmic functions, derivative the trigonometric functions, and techniques of integration. |
| 教材 | 1.To explain 2.To discuss 3.By O.H.P.<br>4.Exercise 5.Ordinary tests<br>6.Examination | Teaching Materials | |
| 成績評量方式 | 平時成績(學習精神 態度,缺曠課,平時測驗)佔40%,<br>期中考成績佔30%,<br>期末考成績佔30%, | Grading | |
| 教師網頁 | | | |
| 教學內容 | 1.Enable the student to understand the fundamental principles of the differential integral calculus,and to master the basic techniques for applying these principles.<br>2.Relevant theorems are clearly stated and interpreted immediately by examples and illustrations. 3.The principal applications are in business and economics and in the life sciences. | Syllabus | |

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