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

| | | | |
|---|---|---|---|
| 當期課號 | 2458 | Course Number | 2458 |
| 授課教師 | 武季蔚 | Instructor | WU,CHEI WEI |
| 中文課名 | 微積分 | Course Name | Calculus |
| 開課單位 | 會計系(四日)一A | Department | |
| 修習別 | 必修 | Required/Elective | Required |
| 學分數 | 3 | Credits | 3 |
| 課程目標 | 數學模式廣泛應用在企業經營、經濟、統計、財務、管理等社會科學領域，其中微積分尤爲重點。因此，對微積分的了解有助於同學在其主修領域的學習。本課程按函數、極限、微分、積分之順序講授並隨時輔以範例說明其應用情形。 | Objectives | Mathematic models are widely applied to business, economics, statistics, financial, management, and other social science fields. Of all these models, calculus is the most important. The realization in calculus will help students to study each major field. This course is to introduce function, limit, differentiation, and integration in order. And some real examples will be given to explain its application. |
| 教材 | 以商業上的應用需求啓發學生微積分觀念並介紹基本名詞、定義、運算技巧及問題處理。利用部分上課時間讓學生實作練習，以增進學生了解及實際問題運用。 | Teaching Materials | Inspire students to find the calculus concepts from business applications. Introduce the definitions, operating techniques. In class practice to make student understanding the content and solve actual problems. |
| 成績評量方式 | 學習精神 – 加/扣分。<br>課堂演習 20%。<br>平時測驗 4 x 10%。<br>期中考 20%，期末考 20%。 | Grading | 1. Attention - Extra reward 2. Test 4 x 10%<br>3. In Class Practice 20% 4. Midterm 20%，Final 20% |
| 教師網頁 | | | |
| 教學內容 | 由資料建立模型，說明函數，介紹極限、連續、導函數，建立微分觀念及運算技巧，發展微分於商業上應用。 | Syllabus | Modeling from data. Introduce the concepts of functions, limit, contiuity, derivative and differenctial. Establish techniques of differential. Develope the concepts and technique to the business applications. |

尊重智慧財產權，請勿非法影印。