# 朝陽科技大學 092學年度第2學期教學大綱
# Business Calculus(一) 商用微積分(一)

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| **當期課號** | 3130 | **Course Number** | 3130 |
| **授課教師** | 黃勇富 | **Instructor** | HUANG,YUNG FU |
| **中文課名** | 商用微積分(一) | **Course Name** | Business Calculus(一) |
| **開課單位** | 企業管理系(四進)一A | **Department** | |
| **修習別** | 必修 | **Required/Elective** | Required |
| **學分數** | 3 | **Credits** | 3 |
| **課程目標** | 在今日爲了達到科學化的管理，數量的基礎乃不可或缺，因此希望藉由相關之微分及積分之學習並輔之以實例使學生了解其理論及在實際生活之應用，進而明白微積分對管理科學的重要性並增進學生思考和推理能力。本課程包括1、函數,極限及連續 的介紹及其應用2、微分,導函數的定義,計算及其用法 3、導函數的應用4、指數與對數函數之微分及其應用 5、積分的觀念與技巧。 | **Objectives** | Our primary goal is to teach students the techniques of differential and integral calculus that students are likely to encounter in undergraduate courses in their majors and in subsequent professional activities. We also provide some more motivating examples to help students make the connection between calculus and the world around us.This course contains:<br>1.Functions,Limits and Continuity<br>2.Differentiation,Derivative and their uses 3.Applications of Derivative<br>4.Differentiation of Exponential and Logarithmic functions 5.The concept of Integration. |
| **教材** | 課堂講授爲主 | **Teaching Materials** | Lectures and examinations. |
| **成績評量方式** | 1、 平時成績(40%)<br>出席狀況及課堂表現。(10%)<br>平時考(30%)<br>2、 期中考(30%)<br>3、 期末考(30%) | **Grading** | 1. Quiz.(30%)<br>2. Assignments and participation.(10%)<br>3. Midterm examination.(30%)<br>4. Final examination.(30%) |
| **教師網頁** | | | |
| **教學內容** | 微積分是爲了以系統化、科學化、數學化來描述問題並加以解決問題所發展出的一門基礎學科。藉由此課程的學習及演練，訓練學生以數學的角度分析、整合及解決問題的能力。而今日的商管活動中，微積分的應用亦非常的廣泛，故身爲管理科系的學生，亦應接受此課程的訓練。 | **Syllabus** | Calculus is an elementary course to solve problem using systematic, scientific and mathematical procedures. By this course training, students can improve their quantitative ability to solve difficult problem. |

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