朝陽科技大學 099學年度第1學期教學大綱
Calculus 微積分

當期課號	1282	Course Number	1282
授課教師	阮氏清萍	Instructor	NGUYEN THI,THANH BINH
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	《微積分精華版》第八版 原著: Ron Larson 譯者: 出版社：歐亞 參考書目： 商用微積分- 三版 作者: 錢博仁教授 高金美教授 出版社: 華泰文化	Teaching Materials	Brief Calculus : An applied Approach - 8th Edition Ron Larson Eurasia Book Co.,
成績評量方式	平時測驗/作業&出席狀況 40% 期中考30% 期末考 30%	Grading	Quizzes/Homework and Participation 40% Midterm 30% Final 30%
教師網頁	http://lms.ctl.cyut.edu.tw/blog.php?user=2008019&f=portfolio		
教學內容	本課程主要協助學生了解的微積分基本觀念，並加上了許多實際生活資料和應用問題，最新的題材，以及從新聞、時事、工業和政府等處取得更多數據資料。習題包含其它科目教科書的題材，讓學生了解微積分與其它專業之間的關係。希望透過這樣的教學方式，讓學生清楚知道所學習的數學與實際生活息息相關。	Syllabus	This course aims at providing students the basic concept of calculus. A lot of real-life issues, latest news related to industry and Government are applied. The exercises contain other subjects, such as management, economics, finance etc., which allow students to learn the relationship between calculus and other professional courses. It is hoped, with this way of teaching, that students will understand the close relationship between mathematics and our real life.

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