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	1298	Course Number	1298
授課教師	黃柏鈞	Instructor	HUANG,PO CHUN
中文課名	微積分	Course Name	Calculus
開課單位	會計系(四日)一C	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	1.微積分 吳劍秋 莊子能 編著 全華圖書股份有限公司 2.Larson, Hostetler, and Edwards: Calculus ninth Edition.(此書當參考用)	Teaching Materials	1.Calculus 吳劍秋 莊子能 編著 全華圖書股份有限公司 2.Larson, Hostetler, and Edwards: Calculus ninth Edition.(此書當參考用)
成績評量方式	1. 期 中 考 25 % 2. 期 末 考 30% 3. 隨堂小考測驗 25 % 4. 作業 20%	Grading	1.The midterm exam 25% 2.The final exam 30% 3.The quiz 25% 4.The assignment 20%
教師網頁	_		
教學內容	1.基本函數的介紹(1 week) 2.極限的概念和應用(2 weeks) 3.微分的計算和應用(4 weeks) 4.積分的計算和應用(4 weeks) 5.指數和對數函數的微分和積分(2 weeks) 6.數列和級數(3 weeks)	Syllabus	1.The introductions for basic functions (1 week) 2.The limits and their properties (2 weeks) 3.The differentiation and its applications (4 weeks) 4.The integration and its applications (4 weeks) 5.The differentiation and integration about logarithmic and exponential functions (2 weeks) 6.The sequences and the series (3 weeks)

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