朝陽科技大學 099學年度第2學期教學大綱
Calculus(II) 微積分(二)

當期課號	1607	**Course Number**	1607
授課教師	錢偉鈞	**Instructor**	CHIEN,WEI JYUN
中文課名	微積分(二)	**Course Name**	Calculus(II)
開課單位	應用化學系(四日)一A	**Department**	
修習別	必修	**Required/Elective**	Required
學分數	2	**Credits**	2
課程目標	本課程乃修習工程及應用科學之必備與先修課程，目在於讓學生清楚微積分重要觀念與應用。	**Objectives**	This course includes all the standard topics. It also includes a number of unique features: (1) to make the "Calculus" easier for students to learn through the use of examples, exercises, and graphs of differentiation and integration; (2) to help students appreciate the beauty of the definition of calculus through examples in "Physical Chemistry".
教材	(1) 化學數學手冊第二版,作者:Erich Steiner,牛津科學出版社	**Teaching Materials**	The Chemistry Maths Book, Erich Steiner, Oxford Science Publication.
成績評量方式	平時參與: 20% 三次期中測驗:共計60% 期末測驗 : 20%	**Grading**	Participation: 20% Midterm Exam (3) : 60% Final Exam : 20%
教師網頁	http://www.cyut.edu.tw/~wjchien		
教學內容	(1) 函數與微分原理的複習 (2) 積分原理: 不定積分運算原則, 定積分運算原則 (3) 積分方法 (4) 序列與級數 (5) 多變數函數的微分與積分	**Syllabus**	(1) Review in functionsand principle of differentiation (2) Principle of integration (3) Methods of integration (4) Sequences and series (5) Functions of several variables: partial differentiation, total differentiation, exact differentials, multiple integrals

尊重智慧財產權，請勿非法影印。