朝陽科技大學 091學年度第2學期教學大綱
Calculus(II) 微積分(二)

當期課號	1828	**Course Number**	1828
授課教師	謝定國	**Instructor**	HSIEH,DEAN KUO
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	每節課以課本內容5頁爲教學進度，每週練習3~5個練習題；自第二週起開始小考。	**Teaching Materials**	Home work every week containing 3~5 problems.
成績評量方式	每2週1次小考，1次期中考，1次期末考。 總成績60分以下不及格，沒有補考機會。	**Grading**	Mid Exam (20%), Final Exam (20%), and Quiz every other week (60%).
教師網頁	_		
教學內容	學習完“微分”、“積分”、“向量”的觀念，以及在物理、化學上的應用之後，接下來將學習“級數”、“微分方程”、“偏微分”和“機率”。	**Syllabus**	After having learned "differentiation", "integration", "vector", and the application of these methods in chemistry and physics, we are going to study "series", "simple ordinary differential equations", "partial differentiation", and "probability".

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