朝陽科技大學 094學年度第2學期教學大綱
Calculus(II) 微積分(二)

當期課號	1430	Course Number	1430
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B	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	R. Larson, R. P. Hostetler and B. H. Edwards (2006) "Calculus with Analytic Geometry", 8e	Teaching Materials	R. Larson, R. P. Hostetler and B. H. Edwards (2006) "Calculus with Analytic Geometry", 8e
成績評量方式	3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 3 Quizes (60%).
教師網頁			
教學內容	學習完“微分”、“積分”、“向量”的觀念，接下來將學習“級數”、“微分方程”、“偏微分”、“矩陣”、“線性代數”和“機率”。	Syllabus	After having learned "differentiation", "integration", "vector", we are going to study "series", "simple ordinary differential equations", "partial differentiation", "matrices", "linear algebra" and "probability".

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