朝陽科技大學 097學年度第1學期教學大綱
Calculus 微積分

當期課號	1918	Course Number	1918
授課教師	陳炯堯	Instructor	CHEN,CHIUNG YAO
中文課名	微積分	Course Name	Calculus
開課單位	建築系(四日)一A	Department	
修習別	必修	Required/Elective	Required
學分數	2	Credits	2
課程目標	從基礎微積分與極限概念介紹起，並推展至對數。 指數應用及骨牌效應，乃至積分之靈活運用。盡可能將內容以適當方式介紹，並嚴格歸納重點與其公式，方便同學吸收應用。	Objectives	This course will introduce the basic ideas of real functions and their properties, up to further applications of differentiation, and including a treatment of logarithmic and exponential functions, integration, sequences and series. The focus of the course will be on the mastery of techniques (Calculus), coupled with an appropriate degree of rigorous mathematical argument (Analysis).
教材	1. Calculus and Analytic Geometry, Mizrahi & Sullivan, Wadsworth, Inc. 2. 微積分, 吳劍秋, 全華科技圖書.	Teaching Materials	1. Calculus and Analytic Geometry, Mizrahi & Sullivan, Wadsworth, Inc. 2. Calculus, ISBN 957-21-3702-6 (in Chinese)
成績評量方式	期中考20%, 期末考40%, 平時考(含出席率)40%	Grading	Midterm 20%, Final 40%, in-sections 40%
教師網頁	www.cyut.edu.tw/~chychen		
教學內容	從基礎微積分與極限概念介紹起, 並推展至對數. 指數應用及骨牌效應, 乃至積分之靈活運用. 盡可能將內容以適當方式介紹, 並嚴格歸納重點與其公式, 方便同學吸收應用.	Syllabus	This course will introduce the basic ideas of real functions and their properties, up to further applications of differentiation, and including a treatment of logarithmic and exponential functions, integration, sequences and series. The focus of the course will be on the mastery of techniques (Calculus), coupled with an appropriate degree of rigorous mathematical argument (Analysis).

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