朝陽科技大學 098學年度第1學期教學大綱
Calculus 微積分

當期課號	2671	Course Number	2671
授課教師	李朱慧	Instructor	LEE,CHU HUI
中文課名	微積分	Course Name	Calculus
開課單位	資訊管理系(四日)一B	Department	
修習別	必修	Required/Elective	Required
學分數	3	Credits	3
課程目標	本課程之目的在使學生能瞭解微積分的基本原理和應用的技術，課程內容包含1.實數、函數與其圖形 2.導函數與微分 3.微分的應用 4.指數函數與對數函數的微分 5.反導函數和積分的定義 6.三角函數的微分&積分 7.積分技術	Objectives	The main purpose of this course is to let students understand the fundamental principles of the differential integral calculus and its basic techniques of applications. The content involves real numbers, functions and graphs, the derivative and its applications, derivatives of exponential and logarithmic functions, derivative the trigonometric functions, and techniques of integration.
教材	1. Calculus and its Applications / 3ed / Daniel D. Benice 2.Brief Calculus an applied approach, Ron Larson and David C. Falvo, Eight edition.	Teaching Materials	1. 教材課本: Calculus and its Applications / 3ed / Daniel D. Benice Brief Calculus an applied approach, Ron Larson and David C. Falvo, Eight edition.
成績評量方式	1.平時成績:含隨堂測驗Quiz、課堂練習、作業 40% 3.期中成績：30 % . 4.期末成績： 30 %	Grading	1.quiz、homework 40% 2.Mid-Examination 30% 3.Terminal-Examination 30%
教師網頁	www.cyut.edu.tw/~chlee		
教學內容	Chapter 1 Functions Chapter 2 An introduction to limits Chapter 3 Derivatives Chapter 4 Additional Applications of the derivative Chapter 5 Exponential and Logarithmic functions Chapter 6 Integration Chapter 7 Techniques of integration	Syllabus	Chapter 1 Functions Chapter 2 An introduction to limits Chapter 3 Derivatives Chapter 4 Additional Applications of the derivative Chapter 5 Exponential and Logarithmic functions Chapter 6 Integration Chapter 7 Techniques of integration

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