朝陽科技大學 092學年度第2學期教學大綱
Calculus 微積分

當期課號	3055	**Course Number**	3055
授課教師	金鐵英	**Instructor**	JIN,TIE IN
中文課名	微積分	**Course Name**	Calculus
開課單位	財務金融系(四進)一B	**Department**	
修習別	必修	**Required/Elective**	Required
學分數	3	**Credits**	3
課程目標	著重在積分的介紹與應用.此課程乃要幫助學生學會反導數,以及它的推導和應用.另外也要幫助學生學會並運用部分積分和重積分的工具,去解決複雜的積分問題.若時間許可,泰勒多項式和無窮級數也會包含在此課程中,因其在財務金融的領域上也是常被用到的工具.	**Objectives**	This course will involve introduction to integration, the method of integration, the application of definite integration, partial derivatives, multi-integration, and, if time allowing, differential equations and Taylor polynomials and infinite series.
教材	授課加每週隨堂考	**Teaching Materials**	lectures plus after-lecture quizzes
成績評量方式	隨堂考15次:90%(6%/每次)(若想翹課者請勿修此課) 上課出席:10%	**Grading**	class participation: 10% 15 tests(following each session of lectures): 90%(6%/each)
教師網頁	www.cyut.edu.tw/~yenmf		
教學內容	本學期課程乃沿續上學期的課程,但著重在積分的介紹與應用.課本仍沿用上學期TAN的Applied Caluclus for the managerial, life, and social science(第5版).課程包含積分的介紹,推導和應用,以及部分積分和重積分.若時間許可,泰勒多項式和無窮級數也會提到	**Syllabus**	Lectures will be given based on the textbook-Applied Calculus for the managerial, life, and social sciences, 5th ed.-which was used for the first semester. This textbook was written and edited by TAN, S.T. The course will involve introduction to integration, the method of integration, the application of definite integration, partial derivatives, multi-integration, and, if time allowing, differential equations and taylor polynomials and infinite series.

尊重智慧財產權，請勿非法影印。