朝陽科技大學 098學年度第2學期教學大綱
Calculus(II) 微積分(二)

當期課號	2871	Course Number	2871
授課教師	林傳筆	Instructor	LIN,CHUAN BI
中文課名	微積分(二)	Course Name	Calculus(II)
開課單位	資訊與通訊系(四日)一A	Department	
修習別	必修	Required/Elective	Required
學分數	3	Credits	3
課程目標	本課程之目標在使學生擁有微積分之計算技巧。微積分是基礎的數學工具，在許多的科技領域都必須使用它來解題。學生可以從本課程中學到微積分應用到其他學科上的解題技巧，因而提升學生將來解決問題的能力。"a. 學習微積分基本原理和應用, b. 具有解題技巧及演算能力 c. 培養思考和邏輯能力 d. 奠定學習其他專門工程學科的基礎"	Objectives	The goal is to train the students to have good calculation skills. Calculus is a very useful mathematical tool in various fields. Students might have to apply what they have learned in this course in many other applications. So they got to have well trained problems solving skills for handling various upcoming situations. a. Learn the basic fundamentals and applications of Calculus. b. Have the ability of solving skills and calculus. c. Train the ability of thinking and logic. d. Establish the foundation for learning the other Engineering subjects
教材	"Applied Calculus", Tan, 高立圖書	Teaching Materials	"Applied Calculus", Tan, 高立圖書
成績評量方式	課堂表現:10% 作業:15% 小考:20% 期中考:25% 期末考:30%	Grading	Attendance:10% Homeworks:15% Quizzes:20% Midterm:25% Final:30%
教師網頁			
教學內容	第六章　積　分 第七章　積分其他主題 第八章　多變數函數的微積分 第十章　泰勒多項式與無窮級數 第十一章　三角函數	Syllabus	6. INTEGRATION. 7. ADDITIONAL TOPICS IN INTEGRATION. 8. CALCULUS OF SEVERAL VARIABLES AND DIFFERENTIAL EQUATIONS. 10. TAYLOR POLYNOMIALS AND INFINITE SERIES. 11. TRIGONOMETRIC FUNCTIONS.