

朝陽科技大學 096學年度第2學期教學大綱  
Calculus 微積分

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|--------|---|--------------------|---|
| 當期課號   | 3028  | Course Number      | 3028  |
| 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A   | 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     | Tan, S.T., Applied Calculus, 7th ed, Thomson  | Teaching Materials | Tan, S.T., Applied Calculus, 7th ed, Thomson  |
| 成績評量方式 | 所有考試的平均值,上課的出席率則作加減分  | Grading            | The average of all quizzes taken plus/minus attendance rates.   |
| 教師網頁   | -   |                    |   |
| 教學內容   | A. Exponential and Logarithmic Functions.<br>B. Integration<br>C. Additional Topics in Integration<br>D. Calculus Several Variables | Syllabus           | A. Exponential and Logarithmic Functions.<br>B. Integration<br>C. Additional Topics in Integration<br>D. Calculus Several Variables   |

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