

## Calculus I: Syllabus

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**Time:** Mon. 13:10-15:00; Wed. 15:10-16:00

**Place:** 電機系館 92225

**Lecturer:** 陳旻宏 Min-Hung Chen

**Office:** Math Building Rm. 404

**Tel:** 06-2757575 Ext 65127

**e-mail:** chen0499@mail.ncku.edu.tw, mhchen@math.ncku.edu.tw

**Office Hours:** TBA and by appointment.

**Web:** <http://www.math.ncku.edu.tw/~mhchen/fall09/>

**Text:** “CALCULUS Early Transcendentals ” (Sixth edition) by James Stewart

**Grade policy:** Quiz and class participation 20%, Term Test 40% , and Final Exam 40 %

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### Outline:

- Chapter 01: Functions and Models
- Chapter 02: Limits and Derivatives
- Chapter 03: Differentiation Rules
- Chapter 04: Applications of Derivation
- Chapter 05: Integrals
- Chapter 06: Applications of Integration
- Chapter 07: Techniques of Integration
- Chapter 08: Further Applications of Integration
- Chapter 09: Differential Equations\*
- Chapter 11: Infinite Sequences and Series\*

Note: 第九章及第十一章視狀況調整

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暫定考試時間與範圍:(小考時間未定)

- Quiz: (2-4次)
  - Midterm: 11/9 (可能為晚上) ,
  - Final: 1/11 (可能為晚上),
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