Course Description

Department of Mathematics

Nature of the course ■ required □ elective	Area_ □ Algebra □ Analysis □ Geometry □ Statistics □ Applied Mathematics □ Discrete Mathematics □ Others				
Calculus □ Calculus A ■ Calculus B					
Course number	201 101B1	Section number	17	Number of credits	3
Course title	Calculus B (1)				
Instructor	Chiu-Chun Chang [張秋俊]				

I.　＊Contents：

1. Functions and Models

2. Limits and Derivatives

3. Differential Rules

4. Application of Differentiation

5. Integrals

6. Applications of Integration

7. Techniques of integration

II.　Course prerequisite：

III.　＊Reference material (textbook(s))：

James Stewart: Calculus, early transcendentals, sixth edition

IV.　＊Grading scheme：請填寫各項計分之百分比，例如：期中 30% 期末 40% 作業 10% 報告 20%，總計 100%

Midterm exam 50%

Final exam 50%

V.　Others：

VI.　＊Course Goal：

1. Hope the students will set up good foundation in （mathematical）logic.

2. Improve student's ability in （mathematical）analysis even facing daily affairs.

3. Have sufficient ability in treating differential and integral techniques so that they can read further scientific papers.