C o u r s e   D e s c r i p t i o n

Department of Mathematics

Nature of the course ■ required □ elective	Area 麻煩老師勾選類別，或直接填寫_____。 □ Algebra □ Analysis □ Geometry □ Statistics □ Applied Mathematics □ Discrete Mathematics □ Others			
Calculus ■ Calculus A □ Calculus B				
Course number	201 101A1	Section number	14	Number of credits 4
Course title	Calculus A			
Instructor	Ching-Sung Chou [周青松]			

I.   ＊Contents：

    1. Limits and continuity

    2. Differentiation

    3. Mean-value theorem and applications

    4. Integration

    5. Applications of the integral

    6. The transcendental functions

    7. Techniques of integration

    8. Polar coordinate

II.   Course prerequisite：

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

    9th edition. Calculus, One and several variables.

    Salas- Hille- Etgen. John Wiley & Sons, Inc

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%

V.   Others：

VI.   ＊Course Goal：

1. ＊號為必填欄位
2. 課程大綱之「課程概述」或「課程目標」字數，英文最少 200 字以上