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 101A1	Section number	15	Number of credits	3
Course title	Calculus				
Instructor	Ki-Seng Tan [陳其誠]				

I. Course Contents and Course Goal：The goal of this course is to have students learn the basic theory of Calculus for functions in one variable. Main topics are: Limits, Differentiation and its applications, Integration and its applications, Infinite Series. Students should study related computation skills as well as the reasoning of the theory.

II. Reference material (textbook(s))：Essential Calculus—Early Transcendental Functions, by Larson, Hostetler and Edwards (Houghton Mifflin).

III. Grading scheme：The grade is solely determined by the scores of three Monthly Exams. To do the exercise attached to each section is required but will be taken into account.