

Calculus 304002002 Syllabus

Spring 2018

A. Instructor Information.

- Instructor: Huang, Tzee-Ming
- Email: tmhuang@nccu.edu.tw
- Office hours: Monday 8:00-10:00 and by appointment

B. Textbook. Calculus, 3rd Edition by Monty J. Strauss, Gerald L. Baradley and Karl J. Smith

C. Course Objectives. There are two main objectives of this two-semester course. The first objective is to help students to gain a solid understanding of basic concepts such as functions, limits, derivatives and integrals. The second objective is to help students to develop relevant problem solving skills so that they can be better prepared for higher level courses such as Advanced Calculus or Mathematical Statistics.

D. Grading Policy.

- Optional work: $x\%$, where $0 \leq x \leq 40$ is determined by homework scores.
- Midterm: $(50 - 0.5x)\%$
- Final: $(50 - 0.5x)\%$

E. Time requirement. The students are expected to spend 3–6 hours outside class each week on course work.

F. Additional Information.

- The topics in the class schedule on Page 2 are subject to modification. Up-to-date reading schedule will be posted after the class starts on the course web site at
<http://stat.walkup.tw/teaching/calculus/S18/homepage.html>

Tentative Class Schedule

Week	Content	Chapter(s)
1	Holiday	
2	Integration (univariate)	5
3	Infinite Series	8
4	Infinite Series	8
5	Infinite Series	8
6	Holiday	
7	Multiple Differentiation	11
8	Review	5, 8, 11
9	Midterm	
10	Multiple Differentiation	11
11	Multiple Differentiation	11
8	Multiple Differentiation	11
12	Multiple Integration	12
13	Multiple Integration	12
14	Multiple Integration	12
15	Multiple Integration	12
16	More on Integration (univariate)	5
17	Review	5, 11, 12
18	Final	