

MATH 0412: CALCULUS I, FALL 2019.
COURSE SYLLABUS

Instructor. Yi-Hsuan Lin

- *Office:* Science Hall A, Room 228
- *Email:* yihuanlin3@math.nctu.edu.tw
- *Office Hours:* Tuesday 10am - 12pm or by appointment.

Lecture: Monday GH 15:30-17:20 & Thursday CD 10:10-12:00; SC105.

Textbook: Calculus (Early Transcendentals), 8th Edition by James Stewart. We will cover the following sections of the textbook:

1.3-1.5; 2.2-2.8; 3.1-3.6, 3.9, 3.10; 4.1-4.7, 4.9; 5.1-5.4; 6.1-6.3, 6.5;
7.1-7.4, 7.8; 8.1,8.2; 10.1,10.2.

If we have more time, we will cover some other topics of the textbook.

Course Webpage: <http://jupiter.math.nctu.edu.tw/~yihuanlin3/Teaching/2019Calculus.html>

Please note that course announcements, all information is posted on the course webpage.

Grading: Your grade will be determined relied on the combined scores from three midterm exams, one final exam and weekly quiz. Grade records will be posted on the E3 system NCTU:

<https://e3new.nctu.edu.tw/login/index.php>

The distribution of your grade is given by

Weekly Quiz:	30%
Midterm Exams:	40%
Final Exam:	30%
Final Grade:	100 %

The grade scale is given by

90 ~ 100 = A+	67 ~ 69 = C+
85 ~ 89 = A	63 ~ 66 = C
80 ~ 84 = A-	60 ~ 62 = C-
77 ~ 79 = B+	50 ~ 59 = D
73 ~ 76 = B	1 ~ 49 = E
70 ~ 72 = B-	0 = X

Quiz: The problems of the quiz are based on the assigned exercises:

<http://calculus.nctu.edu.tw/archives/riki.php?id=8E&CID=3>.

The quiz will take place during courses (once for Monday and once for Thursday). The length of the quiz is 10 minutes. We suggest that all students in this course need to do the homework regularly, even we do not ask you to hand in the homework. Three lowest scores of the quiz will

be dropped in the end of the semester to accommodate exceptional situations such as a serious illness.

Midterm Exams: The three midterms are in class (from 10:10am - 12:10 pm, and the classroom is SC105). They are scheduled on

Midterm 1: Thursday, October 24, 2019.

Midterm 2: Thursday, November 21, 2019.

Midterm 3: Thursday, December 19, 2019.

Using notes, books, or electronic devices is prohibited when taking the midterm exams. Makeup midterm exams will NOT be considered, and you will be punished by the university policy:

http://scahss.sa.nctu.edu.tw/?page_id=603.

If you miss a midterm exam due to unavoidable, compelling, and well-documented circumstances, you have a chance to skip this one. Besides, if you are unable to attend the two of three midterms with the previous unavoidable reasons, the only midterm score you get will be weighted double as 40 % into your final grade. Even more, if you cannot attend all three midterms, you need to drop this course and enroll calculus again next year. You are asked to attend at least one of the midterms.

Final Exam: The final exam is scheduled on

Wednesday 15:30-17:30, January 8, 2020.

The place of the final exam will be announced in the near future.

The final exam is cumulative. Using notes, books, or electronic devices is prohibited when taking the final exam. Makeup final exams will be given only in extreme situations, with justification verified by the university policy:

http://scahss.sa.nctu.edu.tw/?page_id=603

Teaching Assistants:

- Pei-Sheng Chuang, SA037. Email: pschuang96@gmail.com
Office Hours: Monday 13:20-14:10, Tuesday 15:30-16:20
- Qun-Yi Lin, SA129. Email: sasammm75@yahoo.com.tw
Office Hours: Monday 14:20-15:10, Thursday 15:30-16:20

Other Policies and Advises:

- Only students registered in Course 0412 are allowed to attend, unless approved by the instructor.
- If you miss a class, it is your responsibility to get a copy of the notes from a classmate.
- If you come to class, you cannot disturb the instructor and your classmates. Everyone has equally right to learn the calculus from the lectures.
- All cell phones and electronic devices must be silenced during the class period.
- The best way to succeed in this course is to keep up with the lectures and work out the homework assignments (you are encouraged to work with your classmates). You should ask questions when you are at all uncertain of your understanding of the material. Please don't hesitate asking questions to your instructor and TAs. We are happy to help everyone to understand the calculus.
- You can also find various materials of calculus by google, or you can find some links from the instructor's homepage.

Enjoy your first year university life in NCTU, good luck.