

MATH 536700: REAL ANALYSIS I, FALL 2026.
COURSE SYLLABUS

Instructor. Yi-Hsuan Lin

- *Office:* Science Hall A, office 228
- *Email:* yihsuanlin3@math.nctu.edu.tw
- *Office Hours:* Using *email* to make appointments.

Lecture: Tuesday 2& Friday 34 @ SA215.

References:

1. Elias Stein & Rami Shakarchi. *Real Analysis (Measure Theory, Integration & Hilbert spaces)*.
2. Richard Wheeden & Antoni Zygmund. *Measure and Integral. An Introduction to Real Analysis, 2nd ed.*
3. Terence Tao. *Analysis I & II, 3rd ed.*

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 homework, midterm and final term. Grade records will be posted on the E3 system NYCU:

<https://e3.nycu.edu.tw/my/>

The distribution of your grade is given by

Homework:	40%
1st Midterm term:	20%
2nd Midterm term:	20%
Final Exam:	20%
Final Grade:	100 %

- *Please hand in your homework punctually. Otherwise we will not take delay homework into your final grade.*

Exams: The time and classroom of the midterm and final exam are the same as our lectures. They are scheduled on

1st Midterm:	Friday, October 16, 2026.
2nd Midterm:	Friday, November 20, 2026.
Final Exam	Friday, December 18, 2026.

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

<https://oaeri.nycu.edu.tw/userfiles/oaerich/files/20231006105843710.pdf>.

Teaching Assistants:

- TBA