

MATH 536700: REAL ANALYSIS I, FALL 2025.
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: Monday 2& Thursday 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%
Midterm term:	30%
Final Exam:	30%
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

Midterm: Tuesday, October 16, 2025.

Final term: Tuesday, December 11, 2025.

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:

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