MATH 536703: REAL ANALYSIS I, FALL 2022.
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 3-4 @ SA214.

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 NCTU:

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

The distribution of your grade is given by

$$
\begin{aligned}
\text{Homework:} & \quad 40\% \\
\text{Midterm term:} & \quad 30\% \\
\text{Final Exam:} & \quad 30\% \\
\textbf{Final Grade:} & \quad \textbf{100 \%}
\end{aligned}
$$

- *Please hand in your homework on time. Otherwise we will not count such 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

$$
\begin{aligned}
\text{Midterm:} & \quad \text{Friday, November 4, 2022.} \\
\text{Final term:} & \quad \text{Friday, December 23, 2022.}
\end{aligned}
$$

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:

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

Teaching Assistants:
- TBA