

**MATH 5408: REAL ANALYSIS I, FALL 2020.**  
**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 B 9:00-9:50 & Thursday CD 10:10-12:00; @ SA223.

**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.*

**Course Webpage:** <https://is.gd/P1T0Jf>

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

Homework:	40%
Midterm term:	30%
Final Exam:	30%
<b>Final Grade:</b>	<b>100 %</b>

- *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

Midterm: Thursday, October 22, 2020.  
Final term: Thursday, December 24, 2020.

Using notes, books, or electronic devices is prohibited when 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](http://scahss.sa.nctu.edu.tw/?page_id=603).

**Teaching Assistants:**

- Qun-Yi Lin, SA129. Email: sasammm75@yahoo.com.tw  
Office Hours: By appointments.