MATH 516708: DIFFERENTIAL EQUATIONS, FALL 2025.
COURSE SYLLABUS

Instructor. Yi-Hsuan Lin

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

Lecture: Monday 34 & Thursday 2 @ SA311.

References:

0. Elementary Differential Equations and Boundary Value Problems (the newest version).
1. Walter A. Strauss. Partial differential equations. John Wiley & Sons, Ltd., Chichester, second edition, 2008. An introduction.
2. Yehuda Pinchover and Jacob Rubinstein. An introduction to partial differential equations. Cambridge University Press, Cambridge, 2005.

Please note that course announcements, all information is posted on the course webpage. Please also note that this course is for the *graduate level*, for those undergraduate students, please think more before taking this course.

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://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:	Monday 34, October 20, 2025.
Final term:	Monday 34, December 15, 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:

- Yi-Chung Lai, jay900411@gmail.com
- Shih-Ming Wang, ericwangowadanana@gmail.com