

**MATH 516706: INTRODUCTION TO PARTIAL DIFFERENTIAL  
EQUATIONS, SPRING 2026.  
COURSE SYLLABUS**

**Instructor.** Yi-Hsuan Lin

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- *Email:* yihuanlin3@math.nctu.edu.tw
- *Office Hours:* By appointments.

**Lecture:** Monday 2 & Thursday 56 @ SA213.

**References:**

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%
<b>Final Grade:</b>	<b>100 %</b>

- *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: 12:20-15:20, Thursday, April 16, 2026.  
Final term: 12:20-15:20, Thursday, June 4, 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:**

- Cheng-Pu Lin.

