

Combinatorial Mathematics

Mong-Jen Kao (高孟駿)

Monday 18:30 – 21:20

About this Course

Course Website:

<https://sites.google.com/nycu.edu.tw/113-2-combo-math/>

Grading Policy

- 6 Homework Assignments (30%)
- 2 Midterm Exams (40%)
 - To take place in W6 (3/24) and W12 (5/5).
- Final Exam (or Report) (30%)
 - To take place in W16 (6/3).

Course Objective

- This is a fundamental course in math that focuses on
 - Theorem & Proof Reading,
 - Thinking, and
 - Proof Writing.
- You will learn to build your own understandings and imaginations when you encounter a theorem statement & proof.

How to Do Well in this Course?

- Read the slides & notes,
and make sure you fully-understand the concepts and ideas.

- Spend time on the homework problems.
 - The more you read and think,
the better you can think.

Important Things to Note

- I will not sign the course enrollment forms when the capacity limit is reached.
- I will not sign the withdrawal forms, either.
- The overall class average will be around 80.

Important Things to Note

- The ***last 1/3 of the lectures*** (approx. 5 weeks) will be given ***remotely***.
 - I will be in a research stay in Germany for approx. 18 months, starting from May 1st or so.
 - The details for remote lectures will be announced later in this semester.
- The first 2/3 of the lectures will be physical as normal.

Recruiting Message

- I am recruiting the best undergraduate students for research.
 - i.e., Intl. collaboration on good algorithmic problems.
- If you are interested in theory / algorithm problems, and you enjoy problem solving process,
feel free to contact me and discuss with me.