

MATH 301 Syllabus

Instructor Information:

- Name: Joseph Pappe
- Email: joseph.pappe@colostate.edu
- Office Hours: M 5-6 pm and T 1-2pm in Weber 119 (**not** Weber N119)

Prerequisite:

A passing grade in Math 161 or an equivalent course.

Textbooks:

The primary textbook for this course is *Counting Rocks! An Introduction to Combinatorics* by Adams, Emmrich, Gillespie, Golden, and Pries which can be found at <https://arxiv.org/abs/2108.04902>.

The following are secondary textbooks which can be accessed for free through the library.

- *Discrete Mathematics: Elementary and Beyond*, 1st Edition by Lovasz, Pelikan, and Vesztergombi
- *Combinatorics and Graph Theory* by Harris, Hirst, and Mossinghoff

Grading Scheme:

- Participation - 10%
- Homework - 30%
- Midterm 1 - 15%
- Midterm 2 - 15%
- Final - 30%

Participation:

Part of lectures will consist of working on problems and discussing them with others. Participation will consist of sharing ideas and solutions to the problems with the whole class. To obtain full participation credit, you must present at least **two** problems.

Homework:

There will be a total of **9 homework assignments** with the **lowest 2 homeworks being dropped**. Homework will be due on Wednesdays at 11:59 pm. Homework should be turned in via Gradescope which can be accessed through Canvas. **NO LATE HOMEWORK WILL BE ACCEPTED**. Collaboration on homework is allowed and in fact encouraged, but you **MUST** write your own solutions.

Midterms:

There will be two 50-minute midterms in this class. The midterms are scheduled for **February 23rd** and **April 5th** in class. There will be **NO** make up exams.

Final:

The final will be a 120-minute exam given on **May 6th, 11:50 - 1:50pm**. The final WILL be cumulative. Again, there will be NO make up exam.

Important Dates:

- January 21st: Last day to add the class without override
- January 31st: Last day to add the class with override, change the grading mode, or drop the course without record entry
- April 12th: Course W-withdrawal deadline

Class Environment

Be respectful and supportive of others. No one knows all the answers, and everyone has something to offer. Mistakes happen, and we should not let them get in the way of sharing ideas or asking questions!

Student Accommodations

Any student with a documented disability who needs to arrange reasonable accommodations must contact the Student Disability Center (SDC). I will only provide special accommodations requested by the SDC. If you have any questions, please contact the SDC at (970)491-6385 or sdc_csu@colostate.edu.

Disclaimer:

I reserve the right to make changes to the syllabus during the course of the class.