

## Course Information

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**Office hour:** Thurs. 2:00pm–3:00pm

If you cannot make it to my office hours, you may arrange to meet with me at another time by appointment.

**Textbook.** M. Beck and R. Geoghegan, *The Art of Proof: Basic Training for Deeper Mathematics*, Springer, New York, 2010.

**Course outline.** This semester, we will cover Chapters 1–7 and about four or five additional chapters to be determined later (perhaps Chapters 8, 9, 13, B, and D), roughly at the rate of one chapter a week.

**Homework.** Homework assignments will be due approximately once a week. Unlike in your previous mathematics courses, the homework will consist almost exclusively of writing proofs. The goal is to explain your reasoning precisely; this will almost always mean writing in complete sentences and paragraphs.

You must hand in all the homework questions each week. Your homework will be checked for completeness, but usually, only a few questions each week will be graded in detail.

**Presenting Proofs in Class.** On Friday of most weeks, a few of you will present some proofs from that week's homework in class, and we will discuss together what aspects of those proofs are correct or incorrect. Everyone must do this at least once during the semester.

**Exams.** There will be two in-class 50-minute exams and a two-hour comprehensive final exam. The dates of the exams are given below. If there is any circumstance that may prevent you from taking an exam on the scheduled date, you must discuss it with me *in advance*.

Exam 1: Monday, February 21  
Exam 2: Wednesday, March 30

Final Exam:  
Saturday, May 14, 12:30pm–2:30pm

**Grading.** The final grade will be determined as follows:

In-Class Presentation:	10%
Homework:	25%
Hour Exams:	40% (2 exams, 20% each)
Final Exam:	25%

I typically curve course grades based on the performance of the class. Of course, 90% is guaranteed to be an A, 80% is guaranteed to be at least a B, etc.

**Cheating.** High standards of academic integrity are crucial for the University to fulfill its educational mission. In view of this, you may not communicate with other students by any means during any exams, and you may not use any supplementary materials (notes, books, or electronic equipment). Students suspected of violating this policy will be referred to the Judicial Affairs division of the Office of the Dean of Students.

**Students with disabilities.** If you have a disability that may have some impact on your work in this class and for which you may require accommodations, please see a staff member in the Office of Disability Services (112 Johnston Hall) so that such accommodations can be considered. Students that receive accommodation letters, please meet with me to discuss the provisions of those accommodations as soon as possible.