

CS 2050: Introduction to Discrete Mathematics

Summary

This course will study various techniques for counting and analyzing discrete structures such as graphs. The material in this course is the foundation of computer science.

Instructor

Santosh Vempala

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Lecture Format

The course will meet 3 times a week, 10:30-11:50. Lectures will be Tuesday and Thursday, with an in-class problem-solving Recitation on Friday. Attendance in all 3 is mandatory. In addition to class times, you are encouraged to meet the instructor outside class for any questions related to the course.

Textbook

Kenneth Rosen: Discrete Mathematics and Its Applications.

Grading

- Exams (60%): There will be 3 in-class exams, each of equal weight.
- Homework (30%): Homework assignments will be weekly, sometimes skipping exam weeks.
- Participation (10%): For in-class participation.

Final letter grade cut-offs are as follows. A: [89, 100], B: [75, 89), C: [65, 75), D:[55, 65), F: [0, 55).

Homework

Homework will be posted on Canvas and should be turned in as a physical copy. You can type and print or write your solutions by hand, but if your writing is not easy to read, you will be asked to type.

Regrade requests must be made in person. No late HWs will be accepted. The lowest homework grade will be dropped.

Collaboration policy: Collaboration is allowed on homework, BUT you must write your own solutions. On every homework, you should list the names of students you collaborated with. If plagiarism or other forms of cheating are detected, you will receive a zero on the assignment and a report will be filed with the Office of Student Integrity.

Exams

All Exams will be in class during lecture or recitation, with dates announced in the first week.

Students with Special Accommodations

If you are a student with learning needs that require special accommodation, contact the Office of Disability Services at disabilityservices@gatech.edu as soon as possible to make an appointment, discuss your special needs, and obtain an accommodations letter.