

## Math 55 - Discrete Mathematics, Summer 2017

**Instructor:** Ritvik Ramkumar

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**Website:** <https://math.berkeley.edu/~ritvik/math55>

**Lectures:** MTWTF, 10am-12pm

**Location:** Etcheverry 3111

**Office:** 854 Evans Hall

**Office hours:** Thursday and Friday, 1pm-2:30pm

**Required Text:** Rosen, Kenneth H. Discrete Mathematics and Its Applications, 7th Ed.

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**Prerequisite:** Mathematical maturity appropriate to a sophomore math class; 1A-1B recommended.

**Course description:** This course provides an introduction to logic and proof techniques, basics of set theory, elementary number theory and cryptography, combinatorial enumeration, discrete probability, and graph theory, with a view towards applications. It is designed for majors in mathematics, computer science, statistics, and other related science and engineering disciplines.

**Grading Policy:** There will be weekly homework, two midterms and a final exam. The lowest homework score will be dropped, and your final exam score will override any lower midterm score(s). The percentage breakdown is as follows:

- Homework: 20%
  - Midterm 1: 20% [**Friday, July 7**]
  - Midterm 2: 20% [**Friday, July 28**]
  - Final Exam: 40% [**Thursday, August 10**]
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**Disability policy:** Students requiring special examination arrangements, note takers, or other accommodations should please consult the Disabled Students Program (DSP) office and notify their instructor promptly at the beginning of the semester. For more information, please refer to <http://dsp.berkeley.edu>.

**Plagiarism/cheating policy:** Dishonesty such as cheating or plagiarism is strictly prohibited and may lead to appropriate disciplinary action.