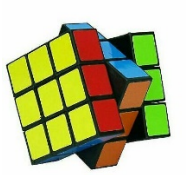


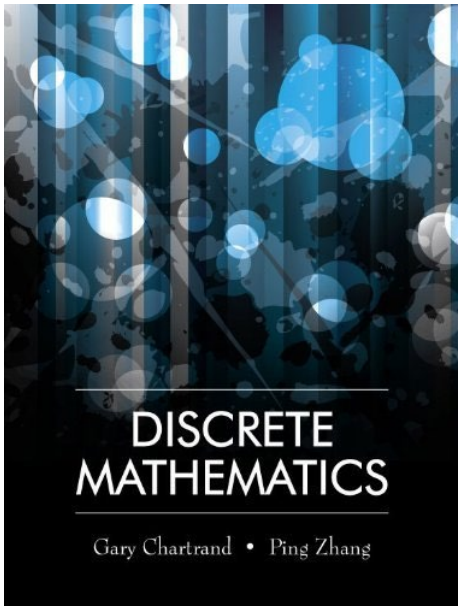
CSCI 2011: Discrete Structures of Computer Science (Spring '20)

Feng Qian, CS&E, University of Minnesota Twin Cities

- **Course Goal**
  Learn mathematics foundations of computer sciences, including logic, set, proof, relations, functions, basic number theory, basic counting techniques, and basic data structures.

- **Basic Information**

Credits:	4
Instructor:	Professor Feng Qian (fengqian@umn.edu)
Teaching Assistants:	Zili He (he000073@umn.edu) Ioana Munteanu (munte029@umn.edu) Pranay Patil (patil122@umn.edu) Hee Kyung Seo (seo00028@umn.edu) Kathan Shah (shahx327@umn.edu)
Main Lecture:	Thursday 6:30PM – 9:00PM, Tate Hall 101
Canvas URL:	https://canvas.umn.edu/courses/158084 All announcements, homework assignments, lecture slides, grades will be published on Canvas.
Required Textbook:	**Discrete Mathematics (1st Edition)** by Chartrand and Zhang Waveland Inc., 2011. ISBN: 978-1577667308



- **Discussion Sections**

Who	Where	When
Zili	Akerman Hall 225	Monday 3:35PM – 4:25PM
Ioana	Keller Hall 2-260	Monday 4:40PM – 5:30PM
Hee Kyung	Keller Hall 3-111	Monday 5:45PM – 6:35PM

- **Office Hours**

Who	Where	When
Ioana	Keller Hall Atrium Table 1	Friday 2:20-3:20pm
Hee Kyung	Keller Hall Atrium Table 1	Thursday 5:00-6:00pm
Zili	Keller Hall 4-240	Friday 12:20-1:20pm
Kathan	Keller Hall 1-260	Friday 1:20-2:20pm
Pranay	Keller Hall 2-246	Tuesday 2:30-3:30pm
Feng	Walter Library 4th Floor Room 405	Wednesday 2:00-3:00pm

- **Email Policy**
  The professor and TAs can be reached at **csci2011@umn.edu**. Any course-related email should be sent (from a UMN email address) to this mailing list address unless you want to contact the professor or the TAs individually.

- **Prerequisites**
  MATH 1271 or MATH 1371.

- **Grading Policy**
  Exam 1 (90 minutes): 20%
  Exam 2 (90 minutes): 20%
  Exam 3 (120 minutes): 30%
  Homework (no more than 7): 20%
  Attendance: 10% (attendance only taken for the main lectures)

  All exams are closed-book.

- **Late Policy**
  Late submissions of homework receive no credit.

- **Honor Code**
  All students must follow the UMN Honor Code:
  https://regents.umn.edu/sites/regents.umn.edu/files/policies/Student_Conduct_Code.pdf
  All homework assignments are individual assignments, and no collaboration among students is allowed. Any violations of the honor code will be dealt with strictly.

- **Disability Accommodations**
  We desire to make learning rewarding and fun for all students and make every attempt to accommodate anyone who has a desire to learn. If you require special classroom or test-taking accommodations, you need to contact the Disability Resource Center (https://disability.umn.edu/) and also notify the instructor as soon as possible at the start of the semester.

- **Tentative Course Schedule**
  Note that the schedule is tentative and is subject to change. Always keep an eye on Canvas for latest announcements and updates.

Date	Topic
1/23	Course introduction, Logic I (Chapter 1)
1/30	Logic II (Chapter 1), **HW1 Release**
2/6	Set (Chapter 2)
2/13	Methods of Proof I (Chapter 3), **HW2 Release**
2/20	Methods of Proof II (Chapter 3)
2/27	**Exam 1;** Mathematical Induction I (Chapter 4), **HW3 Release**
3/5	Mathematical Induction II (Chapter 4)
3/12	**Spring break, no class**
3/19	Relations and Functions I (Chapter 5), **HW4 Release**
3/26	Relations and Functions II (Chapter 5)
4/2	Integers (Chapter 7), **HW5 Release**
4/9	**Exam 2**; Counting I (Chapter 8 and 9)
4/16	Counting II (Chapter 8 and 9), **HW6 Release**
4/23	Graph and Tree I (Chapter 12 and 13)
4/30	Graph and Tree II (Chapter 12 and 13), **HW7 Release**
5/7, 6:30pm	**Exam 3**