

# CS 173: Discrete Structures

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## Course Staff

- **Instructor:** Mahesh Viswanathan
- **Teaching Assistants:**
  - Tanvi Bajpai
  - Hantian Ding
  - Ruta Jawale
  - Patrick Lin
  - Sahand Mozaffari
  - Dipayan Mukherjee
  - Aniket Murhekar
  - Aditya Shankar Narayanan
  - Belinda Tzen
  - Ke Xu
  - Peilun Zhang
  - Shiliang Zuo
- **Office Hours:** To be announced on webpage.
- **Contacting Staff:** Use “private note” in Piazza.
- **Course Aides:** To be announced.

## Electronic Bulletin Boards

- **Webpage:** General information, course policies, lecture notes  
<https://courses.engr.illinois.edu/cs173/>
- **Piazza:** Announcements, online questions and discussion, contacting course staff. Sign up at  
<https://piazza.com/illinois/fall2019/cs173/>. Access code **fall2019**.
- **Moodle:** Everything related to homeworks, quizzes, grades, announcements  
<https://learn.illinois.edu/>

## Resources for class material

- **Prerequisites:** Calculus I and (CS 125 or ECE 220).
- **Textbook:** “Mathematics for Computer Science” by Lehman, Leighton, and Meyers. Available on course web-page
- **Video Recording of Lectures:** See course website for link.
- **Discussion Sections:** Problems posted on the course webpage
- **Additional References:**
  - Building Blocks for Theoretical Computer Science: Margaret Fleck
  - See website for more resources

# Grading Policy: Overview

## Total Grade and Weight

- Discussion Section attendance: 4%
- CBTF Tests: 38%
- Written Tests: 58%
- Other Optional Work: 0%
  - Online quizzes on Moodle
  - Homeworks

## Discussion Section Attendance

- Every discussion section you attend, you get 0.5%
- You can get a maximum of 4%, cumulative for attendance
- Thus, if you attend 8 (out of 14) discussion sections, you will get the maximum credit (of 4%) for this category.

# CBTF Tests

- 5 multiple choice questions. 30 minutes to solve.
- 6 tests in total: Week of 09/09, 09/23, 10/07, 10/21, 11/04, 11/17
- Will test material “since the last CBTF test”. So CBTF Test 1 tests material since the start of semester, and CBTF test 4 tests material covered after CBTF test 3.
- With valid reason, test can be made up the following week (??)
- Best 5 (out of 6) scores will be counted towards final grade.

# Written Tests

- 3 questions, 1 hour to solve.
- 6 tests in total: 09/16-09/17, 09/30-10/01, 10/14-10/15, 10/28-10/29, 11/11-11/12, 12/09-12/10.
- Tests on Monday and Tuesday evening between 7pm and 8:50pm. Need valid excuse to change day of test (i.e., Monday to Tuesday or vice versa).
- Will test material since the last written test
- Best 5 (out of 6) scores will be counter towards final grade
- Final exam is a makeup for missed/poor test scores



# Optional Work

- Online Moodle tests. Help practice for CBTF tests
- Homeworks help prepare for written tests. **Do not turn in homework solutions**; we will not grade them!

# Advice

- Attend lectures and discussion sessions
- Make use of office hours/Piazza
- Study regularly and keep up with the material
- Ask plenty of questions, and promptly. Don't delay getting doubts cleared
- This course is on problem solving. Solve as many as you can