

Important Course Information
Math 2440/D648 - Discrete Structures and Algorithms I
Spring 2022 - Mon/Wed 12p-1:40p (N817)

Instructor: Suman Ganguli

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Office Hours: Wed 10:30am-11:30am (in N724) & by appointment (via Blackboard Collaborate)

Textbook: *Discrete Mathematics and Its Applications (8th edition)* by Kenneth H. Rosen

- the textbook is available **on reserve in the CityTech library**
- see also this free online textbook: [Discrete Mathematics: An Open Introduction](#)

OpenLab course website:

- <https://openlab.citytech.cuny.edu/groups/mat2440-ganguli-spring2022/>
- <https://openlab.citytech.cuny.edu/mat2440-ganguli-spring2022/>

Please **set up an OpenLab account and “join” the course profile** to get notifications about announcements & supplementary material that will be posted to the discussion forums, uploaded files, etc.

- For instructions on setting up an OpenLab account, see <http://openlab.citytech.cuny.edu/blog/help/openlab-help/>
- You can still access all the OpenLab material without setting up an account using the links above (by design, the OpenLab is “open”!)

Course outline/syllabus - download from OpenLab or Math Department:

<http://www.citytech.cuny.edu/mathematics/docs/courses/MAT2440.pdf>

<https://openlab.citytech.cuny.edu/groups/mat2440-ganguli-spring2022/files/>

Grading:

A = 93.0 - 100.0

A- = 90.0 - 92.9

B+ = 87.0 - 89.9

B = 83.0 - 86.9

B- = 80.0 - 82.9

C+ = 77.0 - 79.9

C = 70.0 - 76.9

D = 60.0 - 69.9

F = 0 - 59.9

W = withdrawal before **May 17**

WF = withdrawal after

Midterm exams (20%*2 = 40%): There will be **3 midterm exams**. The lowest of your 3 scores will be dropped, and your 2 highest midterm scores will each count as 20% of your final grade.

- There will be **no makeup exams**. A missed exam will count as a 0 and will be the lowest exam score that is dropped. Each exam date will be announced in class at least one week ahead of time.

Final Exam (30%): The final exam will be on the last meeting of the semester (**date TBA**). The final will cover all the topics studied, and will be very similar in format to the midterm exams. The final exam must be taken to pass the course.

Homework/Projects (15%): Homework assignments and due dates will be announced in class & on OpenLab.

- Most of the homework exercises will be selected from the textbook. You should write out solutions to the assigned textbook exercises and hand them in on the due date.
- The best preparation for the exams and quizzes is to **do all the homework**, and to **ask for help** with any exercises that you have questions about.
- You will also be asked to complete some small **programming projects** which will count as part of your homework grade. Details will be given in class and on OpenLab.

Quizzes (10%): There will be approximately 5 quizzes over the course of the semester. Each quiz will consist of one or two exercises, which will be **very similar to the assigned homework exercises**. Quiz dates will be announced in class & on OpenLab.

Participation/Attendance (5%): You are expected to participate in class and in online discussions on the OpenLab course site. Details for contributing to your participation grade will be announced in class.

Attendance: The college requires that attendance be recorded at each class session.

- **Please make every effort to attend class, and to arrive on time.**
- Important information will be conveyed at the beginning of each class, and it is very disruptive if you walk into class late. Late arrivals will be recorded.

Tips for Success: If you want to do well in the course and learn the material:

- **Attend class**--take notes and ask questions!
- **Read the book**--especially the examples!
- **Do the homework**--ask about any exercises that you don't understand completely!
- **Take advantage of additional resources**--come to office hours, use the free on-campus tutoring, take advantage of online tutorials!