

Math 213 - Basic Discrete Mathematics - Sections G1 and X1

Course Syllabus

Course Location

Section G1: MWF 3:00-3:50 Room 243, Altgeld Hall.

Section X1: MWF 12:00-12:50 Room 145, Altgeld Hall.

Contact information

Name: Jeremy Rouse

E-mail: jarouse@math.uiuc.edu

Office: Room 301, Altgeld Hall.

Office Phone: (217) 333-3504.

Office Hours: MWF 1:55-2:55 or by appointment.

Course Information

This course is an introduction to discrete mathematics and some of its applications in computer science. We will discuss algorithms, induction, combinatorics, recurrence relations, and graphs.

Website: <http://www.math.uiuc.edu/~jarouse/teaching/F2007/>

Textbook: Discrete Mathematics and Its Applications, Kenneth H. Rosen, McGraw-Hill, 6th edition. ISBN: 978-0-07-288008-3. We will cover material from Chapters 2-10.

Exams

You will have three midterm exams, all in class. Each will be worth 100 points. No calculators are allowed on exams. The first exam will be on Friday, September 14. The second exam will be on Monday, October 8. The third exam will be on Friday, November 2.

The final exam will be worth 200 points, and will take place at the following time. For section G1, it will be from 7-10 PM on Wednesday, December 12, and for section X1, it will be from 7-10 PM on Monday, December 10.

Quizzes

Quizzes will be given at the start of each Friday section, excepting August 24, September 14, and November 2. Each quiz will be 10 minutes long and worth 10 points, and will be on the material covered in the homework assignment turned in the prior Wednesday. The ten highest quiz scores will count for 100 points of the final grade.

Homework

I will post homework each Friday on the course website. It will be due the following Wednesday at the beginning of class. I expect that the homework assignments will be written neatly, using complete sentences, will be labelled with the student's name, section, assignment number, and will be stapled. Working together on the homework is encouraged, but each student must write up their own solutions. Each homework assignment will be worth 20 points. The ten highest homework scores will account for 200 points of the final grade.

In addition to the required homework problems, some extra problems will be assigned. Each of these will have a point score associated with it. These will be used to distinguish a grade of A and A+.

Grades

The final grade consists of 800 points. Letter grades will be assigned according to the following table.

Grade	Point total
A	720-800
A-	700-719
B+	680-699
B	640-679
B-	616-639
C+	592-615
C	520-591
C-	496-519
D+	472-495
D	424-471
D-	400-423
F	0-399

A grade of A+ will be given to a student with a grade of A who completes at least 10 points worth of extra problems.

Getting Help

Here are some resources.

- Office hours. If you have any questions about the material from lecture or the homework (or anything else), come to my office hours and ask!
- Other students in the class. You should talk to other students, ask them questions, answer their questions, and work with them on homework.
- Tutors. See <http://www.math.uiuc.edu/UndergraduateProgram/tutoring.html>.

General Comments

You will not get more out of this class than you put into it. I pledge to make this class an exciting learning opportunity. In return, I expect that each of you will exert substantial effort to make the most of this opportunity.