

CSc 125 Discrete Math I

Section 030

Fall 2016

Meeting Time & Place: 3-4:20 PM T TH in 299 OM

Instructor: Daniel Spiegel

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Office Hours: 3-4:30 MW, 4:30 T, 4:30-6 TH

Prerequisites: MAT 105 or higher

Text: Rosen, Kenneth; *Discrete Mathematics and Its Applications*, McGraw Hill, 7th edition, 2012.

NOTE: a textbook is reserved in-house at the Rohrbach Library.

Exams: There will be 2 midterm(s) and a final exam during final exam week. You must get a passing (60%+) grade on exams, collectively, to pass this course.

Attendance: Expected. You are responsible for material covered in class and the corresponding material in the text. If you do not attend class, the material is assumed to be understood and homework assignments will be expected to be completed prior to their deadline.

Make-ups: You will not be permitted to make up an exam without a documentable excuse for your absence. Make-ups will likely be held during the last week of class.

Homework Assignments: Homework will be assigned after most every lecture. There will be several formal assignments that you will complete and submit on D2L. Other, end of class homework assignments are to be completed on paper and brought to class. Assignments will sometimes be collected and possibly graded. In all cases they will count towards your grade. No late submissions will be accepted.

Participation: You are expected to participate in a meaningful way during class. You will be called on, but are also expected to answer questions and participate in discussions. Participation is 10% of your grade, and is a subjective evaluation of the course instructor. You of course must be present to participate. Participation with your electronic device will negatively affect this assessment.

Grading: Grading is on a straight 90 80 70 60 scale. Individual exams may be curved, only if necessary. +/- grading will be used if available, according to the table at right. Weights of grades are:

Homework: 40%
Midterm(s): 15%
Final Exam: 20%
Participation: 10%

Grade	Scale
A-	[90, 93)
B+	[87, 90)
B-	[80, 83)
C+	[77, 80)

Academic Dishonesty:

General Statement: I am against it. Violators will receive the maximum allowable penalty for any infraction.

Assignments: Your work in this course is to be your own unless explicitly stated by the course instructor. Feel free to discuss and exchange ideas with your peers, but do your own work.

Classroom Etiquette:

Consideration for your classmates, instructor, and the class is expected. Come to class **on time and prepared to learn**. No sleeping or noisy eating. If you can't whisper quietly, don't carry on private conversations. Coming and going during class should only occur in unavoidable situations. And, last but not least, **your cell phone is to be neither seen nor heard**.

Tutoring

If you engage the services of a tutor during the term, you are encouraged in the strongest terms to inform me of the tutor's name and email. I will work with graduate assistants and tutors to keep them abreast of what we are doing. This will allow your tutor to provide you with the most effective possible assistance.

Tentative Class Schedule:

The following is a **tentative** (and optimistic) class schedule and is subject to change. Note that some topics may extend past one week.

Any reading topic not covered in class is likely not covered because its level of difficulty does not merit class time; it is being assumed you can understand the material on your own. Again, questions on such material are welcomed.

CS 125 Tentative Schedule

Reading Chapter(s)	<i>Topics (pages)</i>
Intro	Course syllabus
1	Logic & Proofs
2 & 9	Basic Structures Relations (pp- 573-578, 607-614, 633-644)
3	Algorithms (pp- 191-198, A11-A15)
4	Number Theory & Cryptography (pp- 237-254)
6 & 8	Counting (pp- 385-413) Advanced Counting Techniques (pp- 553-557)
7	Discrete Probability (pp- 443-461)
10	Graphs (pp- 641-665)
11	Trees (pp- 743-755)

Final Exam: 11 AM on Thursday Dec. 13, 2016