

Course Syllabus
Mathematics 2200, Section 02, Fall 2018
Discrete Mathematics

Instructor: Sabine Lang
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Class Hours: MWF, 8:35AM-9:25AM, LCB 215

Office Hours: Monday 9:30AM-10:30AM, Thursday 11AM-12PM, Friday 12PM-1PM or by appointment

Text and Online Material: Discrete Mathematics and its Applications by K. H. Rosen, 7th Edition, ISBN 9780073383095.

Prerequisites: C or better in one of Math 1220, 1250, 1260, 1270, 1311, 1320, 1321, 2210, or AP Calc BC score of 5.

Course description: This is a course on the fundamentals of discrete mathematics. It includes an introduction to proofs and rigorous analytic thinking; students will learn how to understand and write short proofs. We will introduce basic elements of mathematics such as fundamentals of logic, sets and relations, functions, number theory, modular arithmetic, combinatorics, and discrete probability. Math 2200 provides a good foundation for higher mathematics or computer science courses.

Homework: I will collect homework on Wednesdays each week at the beginning of class. I will accept six late homework **sections**, up to one week late, throughout the semester for full credit. It is not necessary nor recommended that you tell me why your homework is late. This policy is meant to be flexible enough to cover all reasons. If you need to turn a homework more than a week late for a documented reason, please contact me! You may discuss the problems with others, but it is important to write up your own solutions.

Exams: There will be two midterm exams throughout the semester, and a final exam. The exams are closed-book, with no calculators.

1. Friday, September 28, 8:35AM-9:25AM : Midterm 1
2. Friday, November 9, 8:35AM-9:25AM : Midterm 2
3. Tuesday, December 11, 8:00-10:00AM : Final

Absence from an exam will be excused only if you can provide verifiable and convincing evidence that you have a significant illness or serious family crisis that will prevent you from attending. Except under extremely unusual circumstances, you must inform me in advance of the missed test. **It is your responsibility to promptly make arrangements with me to make up the test, I reserve the right to not give you a make-up exam if I think your excuse is not valid or if you contact me more than one week after the missed test.** I reserve the right to make alternate exams more difficult than the scheduled exam.

Extra-credit: There will be problem sessions during the semester. You can get some extra-credit points by presenting problems to the class during these sessions. More details will be given during the first problem session.

Grading Policy: The grades will be calculated as follows:

Homework	30 %
Mid-term exams	40% (20% each)
Final Exam	30%

Grades (Evaluation and criteria): Final letter grades will be determined by overall percentage as follows:

A	93% – 100%	B	83% – 86%	C	73% – 76%	D	63% – 66%
A-	90% – 92%	B-	80% – 82%	C-	70% – 72%	D-	60% – 62%
B+	87% – 89%	C+	77% – 79%	D+	67% – 69%	E	0% – 59%

ADA Statement: The University of Utah seeks to provide equal access to its programs, services and activities for people with disabilities. If you will need accommodations in the class, reasonable prior notice needs to be given to the Center for Disability and Access, 162 Olpin Union Building, 581-5020 (V/TDD). CDA will work with you and the instructor to make arrangements for accommodations. All information in this course can be made available in alternative format with prior notification to the Center for Disability and Access.

Student Responsibilities: All students are expected to maintain professional behavior in the classroom setting, according to the Student Code, spelled out in the Student Handbook. You have specific rights in the classroom as detailed in Article III of the Code. The Code also specifies proscribed conduct (Article XI) that involves cheating on tests, collusion, fraud, theft, etc. Students should read the Code carefully and know you are responsible for the content. According to Faculty Rules and Regulations, it is the faculty responsibility to enforce responsible classroom behaviors, beginning with verbal warnings and progressing to dismissal from class and a failing grade. Students have the right to appeal such action to the Student Behavior Committee.
<http://regulations.utah.edu/academics/6-400.php>

Tutoring: The Rushing Math Center offers free drop-in tutoring, a computer lab, and study areas for undergraduates. The Rushing Student Center is adjacent to the LCB and JWB.

Classroom Etiquette: Please turn off your cell phones while you are in class. I will expect respectful behavior in my classroom. If I think that your behavior is disrespectful or distracting, I will ask you to leave the class.

Cheating: If you cheat on any homework or exam, I will give you a grade of zero for that work. Depending on the severity of the cheating, I may decide to fail you from the class. In all cases, I will report the incident to the Dean of Students, and to the International Students Office in the case of an international student.

Webpage: All information concerning this class will be posted on the Canvas webpage of the class. Any important information will be given in class and on the Canvas webpage. **You are responsible for checking the webpage on a regular basis** (you can have the communication from Canvas forwarded to your email address).

Disclaimer: If I do any modification to this syllabus, I will let you know in class and update the webpage.

Some important dates for this class:

Monday, August 20	First day of class
Friday, August 24	Last day to add without permission
Friday, August 31	Last day to drop and add class
Monday, September 3	Labor day
Friday, September 28	Midterm 1
October 7 - October 14	Fall break
Friday, November 9	Midterm 2
Thursday, December 6	Last day of class
Tuesday, December 11	Final exam (8:00-10:00AM)