

Math 2200 Section 003: Discrete Mathematics

Fall 2019 Course Syllabus

Instructor: Josh Pollitz

Class Meetings: MWF 9:40 – 10:30 AM in JWB 333

Email: pollitz@math.utah.edu

Office: JWB 209

Office Hours: Wednesday: 10:30-11:30 AM and Thursday: 10:00–11:00 AM

I am always happy to schedule additional office hours **by appointment!**

Course Text: *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.

Goals and Objectives: 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.

Exams: There will be **two** 50 minute exams that are each worth 20% of your final grade.

Exam 1: Friday, September 27th

Exam 2: Friday, November 15th

Also, there will be a final exam for the course that will be held on Thursday, December 12th from 8:00–10:00 AM. The final exam is worth 30% of your final grade.

Homework: Homework assignments will be due the following days:

Friday, August 30th

Friday, September 13th

Friday, October 18th

Friday, November 1st

Wednesday, November 27th

Homework can be turned in individually or in pairs. Overall, your homework assignments will make up 20% of your final grade. The problems on each assignment, plus some extra practice problems, will be posted on Canvas and announced in class.

Classwork & Participation: There will be one *in-class* assignment each week there is **not** a homework assignment due. These will be completed and/or submitted in groups of 2-3. The in-class assignments are worth 10% of your final grade and I will drop your lowest score. There will be **no** make-up assignments unless you have a university excused absence, illness, or serious personal matter.

Grade Breakdown:

Exams (2)	40%
Final Exam	30%
Homework	20%
Classwork & Participation	10%

Evaluation:

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

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.

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 buildings.

Campus Safety: The University of Utah values the safety of all campus community members. To report suspicious activity or to request a courtesy escort, call campus police at 801-585-COPS (801-585-2677). You will receive important emergency alerts and safety messages regarding campus safety via text message. For more information regarding safety and to view available training resources, including helpful videos, visit safeu.utah.edu