Math 2200 - 001 Syllabus
Discrete Mathematics - Spring 2022

Instructor: Jose Yanez (he/his/him)
Lecture: MWF 9:40 AM - 10:30 AM, LCB 215
Course website: Canvas
Email: yanez@math.utah.edu (or contact me via Canvas)
Office hours: TBD (these may be virtual)

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.


Prerequisite: “C” or better in Math (1220, 1250, 1260, 1270, 1311, 1320, 1321, or 2210) or an AP Calc BC score of 5.

Grade: Your grade will be determined by the following formula

30% Homework and worksheets. There will be weekly homework due during Friday class. More details in Canvas

20% Midterm 1. February 25th during class

20% Midterm 2. April 15th during class

30% Final exam. May 3rd 8:00 to 10:00 am (scheduled as per university guidelines)

Students are allowed and encouraged to work together to solve the homework problems, but each student is responsible of writing their solutions. The homework lowest score will be dropped.

Grading scale: If \( X \) is your percentage grade, then your letter grade is:

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\begin{array}{c|c|c|c}
\text{Grade} & 93 \leq X \leq 100 & 90 \leq X < 93 & 87 \leq X < 90 \\
A & A- & B+ & B \\
80 \leq X < 83 & 77 \leq X < 80 & 73 \leq X < 77 & 83 \leq X < 87 \\
B- & C+ & C & B \\
67 \leq X < 70 & 63 \leq X < 67 & 60 \leq X < 63 & \\
D+ & D & D- & \\
60 \leq X < 60 & E & \\
\end{array}
\]

This grading scale might change. In case of a change, it will be only in the student favor.
**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 & Access (CDA), 162 Olpin Union Building, 581-5020 (V/TDD). CDA will work with you and me to make arrangements for accommodations. All information in this course can be made available in alternative format with prior notification to CDA.

**Addressing Sexual Misconduct:** Title IX makes it clear that violence and harassment based on sex and gender (which includes sexual orientation and gender identity/expression) is a Civil Rights offense subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories such as race, national origin, color, religion, age, status as a person with a disability, veterans status or genetic information. If you or someone you know has been harassed or assaulted on the basis of your sex, including sexual orientation or gender identity/expression, you are encouraged to report it to the University’s Title IX Coordinator; Director, Office of Equal Opportunity and Affirmative Action, 135 Park Building, 801-581-8365, or to the Office of the Dean of Students, 270 Union Building, 801-581-7066. For support and confidential consultation, contact the Center for Student Wellness, 426 SSB, 801-581-7776. To report to police, contact the Department of Public Safety, 801-585-2677(COPS).

**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**

**Safety Statement:** 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 [https://safeu.utah.edu/](https://safeu.utah.edu/)

**University Counseling Center:** The UCC staff is committed to supporting the mental health needs of our campus community, while mitigating COVID-19 risks in our department. While the pandemic is ongoing, the UCC is providing all services as telephone and secure video conference appointments. Their phone number is 801-581-6826, Monday-Friday, 8:00am-5:00pm. For after-hours emergencies, contact the 24/7 Crisis Line: 801-587-3000. More information is at [https://counselingcenter.utah.edu/](https://counselingcenter.utah.edu/)

**Office of the Dean of Students:** The Office of the Dean of Students is dedicated to being a resource to students through support, advocacy, involvement, and accountability. It serves as a support for students facing challenges to their success as students, and assists with the interpretation
of University policy and regulations. The Office of the Dean of Students is currently closed for in person meetings, but their staff are still available to help you. To contact the Office of the Dean of Students, please email deanofstudents@utah.edu or call 801-581-7066. There is more information at https://deanofstudents.utah.edu/

I reserve the right to change my policies stated in this syllabus at some point in the semester. If I do make a change to a policy, I will announce it in class and send the change in email or post an Announcement on Canvas.
Covid policies

The following are extracted from the university policy regarding Covid. Students can find the complete information at https://coronavirus.utah.edu/

University leadership has urged all faculty, students, and staff to model the vaccination, testing, and masking behaviors we want to see in our campus community.

These include:

Vaccination

- Get a COVID-19 vaccination and the booster shot recommended for pairing with your vaccine if you have not already done so. Vaccination is proving highly effective in preventing severe COVID-19 symptoms, hospitalization and death from coronavirus. Vaccination is the single best way to stop this COVID resurgence in its tracks.

- University of Utah students are required (as of August 27, 2021) to complete a cycle of COVID-19 vaccination and booster shot with an approved vaccine, or complete an exemption form. The university provides three convenient vaccination options:
  - Attend one of the regularly scheduled vaccine events at the Student Union on campus.
  - Schedule an appointment with Student Health at https://utah.medicatconnect.com/login.aspx
  - Visit http://mychart.med.utah.edu/, https://alert.utah.edu/covid/vaccine/ or http://vaccines.gov/ to schedule your vaccination.

Mask

- While masks are not required outside of Health Sciences facilities, on UTA buses or campus shuttles, CDC guidelines now call for everyone to wear face masks indoors.
  - Treat masks like seasonal clothing (i.e., during community surges in COVID transmission, they should be worn indoors and in close groups outside).
  - In cases of classroom exposure, masks should be worn for the quarantine period.

Testing

- If you are not yet vaccinated, get weekly asymptomatic coronavirus tests. This is a helpful way to protect yourself and those around you because asymptomatic individuals can unknowingly spread the coronavirus to others.

- To schedule an asymptomatic test visit https://alert.utah.edu/covid/testing/

- Remember: Students, faculty and staff must self-report if they test positive for COVID-19 via this website: https://coronavirus.utah.edu/