Class Meetings: TuTh / 12:25PM-01:45PM, BU C 301

Instructor: Daniel McCormick, JWB 327

Email: mccormic@math.utah.edu

Office Hours: TBD


Prerequisite Information: C or better in Math (1220, 1250, 1260, 1270, 1311, 1320, 1321, or 2210) or an 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.

Canvas: Canvas will be used for posting course announcements, homework assignments, grades, files and any relevant supplementary material. You are also welcome to make use if the Canvas discussion board to discuss course problems or topics. You can access the Canvas page through CIS or by logging in at utah.instructure.com. Students should check the Canvas page regularly for course information and resources. Email notifications and correspondence will be sent to the student’s UMail address ([u-number]@utah.edu); this email account must be checked regularly.

Grading: The following are the grade components and the percentage each contributes to a student’s final grade:

- Quizzes (10%)
- Homework Assignments (20%)
- Midterm Exams (40%)
- Final Exam (30%)

Students with university excused absences (band, debate, student government, intercollegiate athletics) should make alternate arrangements with me as soon as possible if the absence interferes with any course components.

Final course letter grades will be determined as follows:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage Range</th>
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<tbody>
<tr>
<td>A</td>
<td>100% - 93%</td>
</tr>
<tr>
<td>A-</td>
<td>92% - 90%</td>
</tr>
<tr>
<td>B+</td>
<td>89% - 87%</td>
</tr>
<tr>
<td>B</td>
<td>86% - 83%</td>
</tr>
<tr>
<td>B-</td>
<td>82% - 80%</td>
</tr>
<tr>
<td>C+</td>
<td>79% - 77%</td>
</tr>
<tr>
<td>C</td>
<td>76% - 73%</td>
</tr>
<tr>
<td>C-</td>
<td>72% - 70%</td>
</tr>
<tr>
<td>D+</td>
<td>69% - 67%</td>
</tr>
<tr>
<td>D</td>
<td>66% - 63%</td>
</tr>
<tr>
<td>D-</td>
<td>62% - 60%</td>
</tr>
<tr>
<td>E</td>
<td>59% - 0%</td>
</tr>
</tbody>
</table>

The instructor retains the right to modify this grading scheme during the course of the semester; students will, of course, be well notified of any adjustments.
COVID Information: University leadership urges 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, [https://www.cns-cares.org/covid19](https://www.cns-cares.org/covid19).
- Schedule an appointment with Student Health: [https://utah.medicatconnect.com/login.aspx](https://utah.medicatconnect.com/login.aspx).

**Masking** 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 (see details below).

**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. Visit [https://alert.utah.edu/covid/testing/](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/](https://coronavirus.utah.edu/).

**Accommodations** This course will be held in person. Except in cases of ADA accommodations or quarantining due to COVID-19 exposure or infection, you will be expected to attend class in person and complete assignments and exams in person. Changes to this policy are up to the discretion of the instructor.

**Student Mental Health Resources** Rates of burnout, anxiety, depression, isolation, and loneliness have noticeably increased during the pandemic. If you need help, campus mental health resources are available, including counseling, trainings and other support.

Consider participating in a Mental Health First Aid or other wellness-themed training provided by Student Affairs Center for Student Wellness to help contribute to creating a healthier and safer campus community. These are designed to equip you to better recognize and respond to signs and symptoms of mental health and substance abuse challenges.

- [https://studentaffairs.utah.edu/mental-health-resources/index.php](https://studentaffairs.utah.edu/mental-health-resources/index.php)
- [https://studentaffairs.utah.edu/mental-health-first-aid.php](https://studentaffairs.utah.edu/mental-health-first-aid.php)
- [https://wellness.utah.edu/workshops-training/](https://wellness.utah.edu/workshops-training/)
Additional Resources:

**Tutoring Center & Computer Lab** There is free tutoring in the T. Benny Rushing Mathematics Student Center (room 155, the lower level between JWB and LCB), as well as a computer lab. For more information see [https://www.math.utah.edu/undergrad/mathcenter.php](https://www.math.utah.edu/undergrad/mathcenter.php)

**Private Tutoring** ASUU Tutoring Center, 330 SSB. There is also a list of tutors at the math department office JWB 233.

**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. Students 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, plagiarism, and/or collusion, as well as fraud, theft, etc. Students should read the Code carefully and know they are responsible for the content. According to Faculty Rules and Regulations, it is the faculty responsibility to enforce responsible classroom behaviors, and I will do so, beginning with verbal warnings and progressing to dismissal from and class and a failing grade. Students have the right to appeal such action to the Student Behavior Committee. [https://regulations.utah.edu/academics/6-400.php](https://regulations.utah.edu/academics/6-400.php)

**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, 162 Olpin Union Building, 801-581-5020. CDA will work with you and the instructor to make arrangements for accommodations. All written information in this course can be made available in alternative format with prior notification to the Center for Disability & Access.

**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, veteran's status or genetic information. If you or someone you know has been harassed or assaulted on the basis of your sex, office for equal opportunity and affirmative action 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, [https://oeo.utah.edu/contact-us/index.php](https://oeo.utah.edu/contact-us/index.php) or to the Office of the Dean of Students, 270 Union Building, 801-581-7066, [https://deanofstudents.utah.edu](https://deanofstudents.utah.edu). 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), [https://police.utah.edu](https://police.utah.edu).

**Student Names and Personal Pronouns:** Class rosters are provided to the instructor with the students legal name as well as preferred first name (if previously entered by you in the Student Profile section of your CIS account). While CIS refers to this as merely a preference, I will honor you by referring to you with the name and pronoun that feels best for you in class, on papers, exams, group projects, etc. Please advise me of any name or pronoun changes (and update CIS) so I can help create a learning environment in which you, your name, and your pronoun will be respected. If you need assistance getting your preferred name on your UIDcard, please visit the LGBT Resource Center Room 409 in the Olpin Union Building, or email bpeacock@sa.utah.edu to schedule a time to drop by. The LGBT Resource Center hours are M-F 8am-5pm, and 8am-6pm on Tuesdays.

**Wellness Statement:** Personal concerns such as stress, anxiety, relationship difficulties, depression, cross-cultural differences, etc., can interfere with a students ability to succeed and thrive at the University of Utah. For helpful resources contact the Center for Student Wellness at [www.wellness.utah.edu](http://www.wellness.utah.edu) or 801-581-7776.

**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).
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.

**University Counseling Center** The University Counseling Center (UCC) provides developmental, preventive, and therapeutic services and programs that promote the intellectual, emotional, cultural, and social development of University of Utah students. They advocate a philosophy of acceptance, compassion, and support for those they serve, as well as for each other. They aspire to respect cultural, individual and role differences as they continually work toward creating a safe and affirming climate for individuals of all ages, cultures, ethnicities, genders, gender identities, languages, mental and physical abilities, national origins, races, religions, sexual orientations, sizes and socioeconomic statuses.

**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. Please consider reaching out to the Office of Dean of Students for any questions, issues and concerns. 200 South Central Campus Dr., Suite 270. Monday-Friday 8 am-5 pm.

**Student Success Advocates:** The mission of Student Success Advocates is to support students in making the most of their University of Utah experience (ssa.utah.edu). They can assist with mentoring, resources, etc. Any student who faces challenges securing their food or housing and believes this may affect their performance in the course is urged to contact a Student Success Advocate for support (https://asuu.utah.edu/displaced-students/).