

MATHEMATICS 2200 - 001
FALL 2020

- **Instructor** : Vaibhav Pandey
- **Class time and Place** : 12 : 25 pm - 1 : 45 p.m.,
Tuesday, Thursday
JFB - 101 (**In Person**)
- **Office Hours** : TBD
- **Office Location** : JWB 115
- **E-mail Address** : pandey@math.utah.edu (or message on Canvas)
- **Text** : Discrete Mathematics and its Applications by K. H. Rosen, 7th Edition, ISBN 9780073383095
- **Course Information** : Math 2200, Discrete Mathematics is a 3-credit course.
- **Course Description** : This course will cover the first 7 Chapters of the text, while excluding a few optional sections.
- **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.
- **Grading** : Your homeworks will be important and graded for correctness. The grades will be calculated as follows:
 - (1) Homework 25%
 - (2) Midterm 1 20%
 - (3) Midterm 2 20%
 - (4) Final Exam 35%

- **Homework** : Typically, one homework will be due every two weeks. Homeworks will be due (typically) every second week on Thursday at 11:59 pm. All Homeworks have to be submitted online through Canvas (and never in person).
 - The homework is to be turned in (online) according to the following instructions:
 - **The homework set MUST be submitted as a single PDF file.** You may use a scanner, or mobile apps like CamScanner to scan neat pdfs. It is your job to ensure that for every homework you submit one single file of pdf format in neat handwriting.
 - **I will not accept any late homework sections**
Do not ask for special favors with regard to the homework policy, unless the circumstances are extraordinarily severe. In cases of extraordinary circumstances, upon my discretion, I may allow you to submit delayed homeworks.
You are responsible for knowing these policies.

- **Midterm** : There will be **two midterm exams** throughout the semester. Both will be conducted online, during regular class hours. They need to be submitted on Canvas. Details-
Midterm 1 - Oct 1 (Thursday), Midterm 2 - Nov 12 (Thursday).

- **Final Exam** : The final exam for this class is comprehensive and will occur during the regularly scheduled final exam time, given by the University. For Summer 2020, the final exam is scheduled on **December 7 (Monday)**, from 1:00 pm to 3:00 pm.

- **Grading Scale** : The grade scale will be the usual:
A (93-100), A- (90-92), B+ (87-89), B (83-86), B- (80-82), C+ (77-79), C (73-76), C- (70-72), D+ (67-69), D (63-66), D- (60-62), E (0-59).

- **COVID 19 considerations** : Due to the nature of the pandemic, please take the following steps to ensure your and your classmates' safety -
 - (1) Please do not come to class if you are experiencing COVID-19 symptoms. Remember to maintain social distancing at all times. Face coverings are required for students and faculty. Based on CDC guidelines, the university requires everyone to wear face coverings in shared public spaces on campus, including our classroom. As a reminder, when I wear a face covering, I am protecting you. When you wear a face covering, you are protecting me and all of your classmates. If you forget your face covering, I will ask you to leave class to retrieve it. If you repeatedly fail to wear a face covering in class, I will refer you to the Dean of Students for a possible violation of the Student Code. Note that some students may qualify for accommodations through the Americans with Disabilities Act (ADA). If you think you meet these criteria and desire an exception to the face covering policy, contact the CDA. Accommodations should be obtained prior to the first day of class so that I am notified by CDA of any students who are not required to wear a face covering.
 - (2) Students must self-report if they contract COVID 19 via coronavirus.utah.edu

- **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 (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.

- **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>

- **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, you are encouraged to report it to the Title IX Coordinator in the Office of Equal Opportunity and Affirmative Action, 135 Park Building, 801- 581-8365, or 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 the police, contact the Department of Public Safety, 801-585-2677(COPS).

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

- **Classroom Social Equity** : I strive to be ethical, kind, fair, inclusive and respectful in my classroom and expect students to behave likewise. In this regard, I have these requests of you, my student:
 - (1) Please do tell me, discreetly, if you have any sort of anxiety disorder, TBI, PTSD, C-PTSD, or any other challenge that would cause psychological harm to you by me calling on you in class. I want students to feel a little uncomfortable

and stretched during class, while working on problems as a large group, but I definitely don't want to cause any human being harm. So, please just tell me if that is the case for you and I will confidentially accommodate your request.

- (2) If your preferred name is different than your legal first name (the preferred name you chose does indeed show up in CIS on my roll sheet, but not yet in Canvas), please log into Canvas and go to Account (on far left)–>Settings and change your Display Name to be the name you prefer to be addressed by. This will help me greatly to know students' names, and to address you correctly when responding to Canvas quiz comments.
- (3) If there is ever a time that you feel this course or the curriculum is not equitable, please email me or meet with me to discuss your concerns so we have a chance to address that.
- (4) **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 .