SYLLABUS – MATH 2200 – SECTION 3

DISCRETE MATHEMATICS

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.

• Time:  Monday, Wednesday, Friday 9:40–10:30am.
• Location:  JTB 120
• Instructor:  Karl Schwede
• Contact information:
  – email: schwede@math.utah.edu
  – office:  JWB 323
  – website:  http://www.math.utah.edu/~schwede/math2200
• Office hours:  TBD (these may be virtual).
• Textbooks:

Grade:  Your grade will be determined by the following formula.

  35% Homework, in class worksheets, and quizzes. Homework will be approximately weekly.
  Quizzes will once every 1 or 2 weeks.
  15% Midterm #1. Tentatively, Friday October 1st.
  20% Midterm #2. Tentatively, Friday November 5th.
  30% Final. Scheduled as per University guidelines.

If your homework will be late (or if you will miss an exam or quiz), for instance because you are sick or have tested positive for CoViD, or need to quarantine, you must contact the instructor prior to missing the homework in order to receive credit. There will be no negative impact on the grade for late homework where an arrangement was made prior to the due-date. If there is an emergency that makes it difficult or impossible to contact me before the assignment is due, that will be handled on a case-by-case basis.

Gradescope:  All assignments will be turned in and graded on gradescope.

  Students are allowed, and even encouraged to work together when solving homework problems (although each student is responsible for their own write-up).

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

Academic Integrity:  All University of Utah policies regarding ethics and honorable behavior apply to this course.
Official matters

The following have been provided by the Department and University.

The Americans with Disabilities Act: 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, 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).

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

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/

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/
CoViD Matters

The following are taken from University policy.

**Testing:** Please do NOT come to campus for school or work if you are sick or have a fever, cough or sore throat.

Regular asymptomatic testing – whether the individual is vaccinated or not – is an important part of slowing the spread of COVID-19. Testing will be available at two locations on campus: Officers Club (West Entrance) in Fort Douglas and the West Ballroom in the Union. New scheduling surveys will be released by Thursday each week for the following week’s testing dates.

Students must self-report if they test positive for COVID-19 via this website:

https://coronavirus.utah.edu/

*Note:* If you are unable to attend in person due to a positive test, quarantine, etc., I will ensure that you are not penalized from the grade perspective and will do my best to make sure you don’t fall behind. For instance, I would be very happy to record the live lectures if the students in the class do not object. Just make sure to give me enough of a heads-up.

**Vaccination:**

Get a COVID-19 vaccination 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. Visit http://mychart.med.utah.edu/, http://alert.utah.edu/covid/vaccine, or http://vaccines.gov/ to schedule your vaccination.

**Masks:**

While masks are no longer required outside of Health Sciences facilities, UTA buses and campus shuttles, CDC guidelines now call for everyone to wear face masks indoors.

*Note:* I strongly encourage all of you to wear masks in indoor settings. I will do my best to bring extra spare masks to all classes.