

# First-day Handout M s325K 85900

## Summer 2025

### Course Information

<b>Class Time/Location:</b>	M-F 11:30 a.m. – 1:00 p.m. PMA 5.104
<b>Instructor:</b>	Dr. Charles Mills
<b>Office:</b>	PMA 12.144
<b>Office Hours:</b>	1:00 p.m. – 2:00 p.m. M-F
<b>e-mail:</b>	cmills@math.utexas.edu

**TEXT:** *Discrete Mathematics with Applications*, brief edition, by Susanna S. Epp.

**E-mail Policy:** A great deal of information is given here in the Syllabus. The instructor most likely will not answer any e-mails if they ask a question answered on the Syllabus.

**RESTRICTIONS AND PREREQUISITES:** Mathematics 408D, 408L, or 408S with a grade of at least C-

**Course Description and Objectives of the Course:** The course is designed to be an introduction to mathematical proofs in the context of a variety of different topics. These topics will include logic, set theory, relations and functions, combinatorics, and graph theory and graph algorithms. The goal will be to cover select sections from each chapter from 2-11 in the textbook.

### Course Grade

On all work, your grade will be computed as a percentage: the number of points you earned divided by the number of points possible. It is unlikely that any grade will be curved. The percentages of each type of work that will be used to compute your final grade are given below. Your letter grade will be given based on your numerical average earned in the class, on a scale not stricter than the following: you are guaranteed a D- for 60 or above, D for 63 or above, D+ for 67 or above, C- for 70 or above, C for 73 or above, C+ for 77 or above, B- for 80 or above, B for 83 or above, B+ for 87 or above, A- for 90 or above, and an A for 93 or above. Grades will be assigned using the +/- system.

**Homework (25%):** Homework will consist mostly of book problems with a few additional problems posted on Canvas. Homework will be assigned approximately weekly. The homework will be assigned and submitted on Canvas.

**Midterm Exams (40%):** There will be two midterm exams. The exam dates are 7/25 and 8/8. Each exam will be entirely free response. I will replace your lowest exam grade with your grade on the final. Because of this policy there will be absolutely positively no make-up exams. If you do not take an exam, and you provide a reason, you will earn a 0, and that grade will (hopefully) be replaced by the final. If you do not provide a reason, the 0 will remain. The midterm exams will be taken during class on the dates above.

**Final Exam (35%):** The final exam is cumulative and will take place on 8/18 from 9 a.m. to 12 p.m.

**IMPORTANT NOTE:** Your lowest midterm exam score (or a missing exam score) will be replaced by the percentage score you earn on your final exam (provided it is higher than your low exam score!). Thus, there will be no makeup exams given.

### **SSD Accommodations**

Students with disabilities qualified by the SSD office must present a letter to their instructor and should arrange to speak with their instructor to discuss their specific needs.

### **Sanger Review Schedule**

The Sanger Learning Center offers review opportunities for Calculus as well as an Algebra and Trigonometric refresher. You are encouraged to take advantage of these opportunities. Please visit [www.utexas.edu/ugs/slc](http://www.utexas.edu/ugs/slc) for additional information.

### **General Information**

- To help with stress, study habits, crises, or any personal matters that are hindering your ability to enjoy your time at UT, please seek assistance at the Counselling and Mental Health Center on campus:  
[www.cmhc.utexas.edu](http://www.cmhc.utexas.edu).
- The University of Texas provides upon request appropriate academic accommodations for qualified students with disabilities. For more information contact Services for Students with Disabilities:  
[ddce.utexas.edu/disability](http://ddce.utexas.edu/disability), 471-6259, 471-6441 TTY.
- Academic Integrity: The sanction for any student found in violation of the UT Honor Code is to be decided by that student's instructor. This may include an immediate F in the course without the option to withdraw. For more information please go the following website:  
[deanofstudents.utexas.edu/sjs/acint\\_student.php](http://deanofstudents.utexas.edu/sjs/acint_student.php).
- This course carries the Quantitative Reasoning flag. Quantitative Reasoning courses are designed to equip you with skills necessary for understanding the types of quantitative arguments you will regularly encounter in your adult and professional life. You should

therefore expect a substantial portion of your grade to come from your use of quantitative skills to analyze real-world problems.

## **Frequently Asked Questions**

### **Was there a curve last semester?**

Every semester the curve is different. Sometimes it's a few points, sometimes there is no curve. It is best to just assume there will be no curve and try your best.

### **This problem is impossible to do without a calculator. What should I do if it's on the Exam?**

If a problem really is impossible to do without a calculator, it won't be on the Exam.

### **What can I do to improve my grade?**

Study. Do not wait until the end of the semester.

### **What do I have to make on the final to get an A/B/C in the course?**

We don't know. Since we don't know if there will be a curve, or if there is a curve what the curve will be, we don't know what you need on the final to get a certain grade in the course. Also, the more time you spend trying to compute this imaginary score, the less time you spend preparing for the Exam.

### **I sent a math question to my instructor and I didn't get a response. Why?**

Because it's impossible to write math over e-mail.

### **Do we have to bring our textbooks to class every day?**

No.

### **Do you give extra credit?**

No.

### **What is going to be on the exam?**

Everything we have done in class.

### **Why you don't reply my emails?**

Messages regarding this class should be sent through Canvas.

**Sharing of Course Materials is Prohibited:** No materials used in this class, including, but not limited to, lecture hand-outs, videos, assessments (quizzes, exams, papers, projects, homework assignments), in-class materials, review sheets, and additional problem sets, may be shared online or with anyone outside of the class unless you have my explicit, written permission. Unauthorized sharing of materials promotes cheating. It is a violation of the University's Student Honor Code and an act of academic dishonesty. I am well aware of the sites used for sharing materials, and any materials found online that are associated with you, or any suspected unauthorized sharing of materials, will be

reported to Student Conduct and Academic Integrity in the Office of the Dean of Students. These reports can result in sanctions, including failure in the course.

**Class Recordings:** Class recordings are reserved only for students in this class for educational purposes and are protected under FERPA. The recordings should not be shared outside the class in any form. Violation of this restriction by a student could lead to Student Misconduct proceedings.

**Q Drop Policy:** If you want to drop a class after the 12th class day, you'll need to execute a Q drop before the Q-drop deadline, which typically occurs near the middle of the semester. Under Texas law, you are only allowed six Q drops while you are in college at any public Texas institution. For more information, see:  
<http://www.utexas.edu/ugs/csacc/academic/adddrop/qdrop>

**Title IX Reporting:** Title IX is a federal law that protects against sex and gender-based discrimination, sexual harassment, sexual assault, sexual misconduct, dating/domestic violence and stalking at federally funded educational institutions. UT Austin is committed to fostering a learning and working environment free from discrimination in all its forms. When sexual misconduct occurs in our community, the university can:

1. Intervene to prevent harmful behavior from continuing or escalating.
2. Provide support and remedies to students and employees who have experienced harm or have become involved in a Title IX investigation.
3. Investigate and discipline violations of the university's relevant policies (<https://titleix.utexas.edu/relevant-policies/>).

Beginning January 1, 2020, Texas Senate Bill 212 requires all employees of Texas universities, including faculty, report any information to the Title IX Office regarding sexual harassment, sexual assault, dating violence and stalking that is disclosed to them. Texas law requires that all employees who witness or receive any information of this type (including, but not limited to, writing assignments, class discussions, or one-on-one conversations) must be reported. I am a Responsible Employee and must report any Title IX related incidents that are disclosed in writing, discussion, or one-on-one. Before talking with me, or with any faculty or staff member about a Title IX related incident, be sure to ask whether they are a responsible employee. If you would like to speak with someone who can provide support or remedies without making an official report to the university, please email [advocate@austin.utexas.edu](mailto:advocate@austin.utexas.edu). For more information about reporting options and resources, visit <http://www.titleix.utexas.edu/>, contact the Title IX Office via email at [titleix@austin.utexas.edu](mailto:titleix@austin.utexas.edu), or call 11512-471-0419.