

Mathematics 302 – Spring 2021 – Course Information

Instructor: Catherine Yan

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Office hours: By ZOOM appointment

Course Web page: All the information about this course will be posted on eCampus.

Prerequisites: Math 152

Class time & Location:

Class Time: MWF 9:20 a.m. – 10:10 a.m.

We are operating in a hybrid version. The in-person lectures will be given at BLOC 169. The first lecture is in person with a ZOOM livestream. After that most of the lectures will be in ZOOM, but at least once every two weeks, we will have an in-person lecture.

Textbook: *Discrete Mathematics and Its Applications*, 8th ed. by Kenneth H. Rosen. McGraw Hill. (Any previous edition of the textbook would be fine. But you need to be responsible for your homework.)

Reading the text is strongly encouraged.

Syllabus:

Math 302 is a course on discrete mathematics. As described in the Course Catalog, we will cover formal structures for describing data, algorithms and computing devices. We will also study the theory and applications of sets, graphs, and algebraic structures.

More specifically, we will cover Chapters 1, 2, 3, 5 (§1–4), 6 (§1–5), 8 (§1–3), 9 of the textbook.

Students are expected to read the textbook before each class.

Homework:

There will be weekly homework assignments. Doing the homework is essential to understanding the material and to doing well on the tests so please take the time to read the appropriate sections or handouts and to do all of the problems each week.

The solutions of homework problems will be available for you to check answers. We will check that you finish each problem set and give you a completeness grade.

Quizzes:

During the semester there will be at least 11 quizzes on the material we have been covering in class. Each quiz has 10 points, and the sum of the best ten quiz-grades will be counted toward your Quiz Grade.

Tests:

There will be three major tests during the semester. The tentative schedule is:

1. Midterm test: **February 26, 2021**. It is a take-home closed-book test that covers the materials taught in the first six weeks.
2. Final test: Two-hour test during the university-assigned final period, **May 4, Tuesday**. It will cover the materials taught from the 7th week to the end of the semester.
3. In addition, there is a take-home open book test on **Proofs**, which will be assigned during week 9 (March 15–19) and collected by **April 2**.

I reserve the right to change the dates or the particular selection of topics from the syllabus based on the needs of the class. I will give you at least a week's notice before each test.

If you have three or more exams on the day of the last exam, you must let me know at least two weeks in advance so suitable rescheduling arrangements may be made.

Getting help:

You are encouraged to ask questions both in class and outside of it, although I will not answer questions about homework to be collected during that class. With a hybrid version of lectures, the best way to ask questions is to contact me via e-mail with your questions or post a thread in eCampus. I will respond as soon as possible.

Grades:

Your grade will be determined by your performance on the homework and tests as follows:

Homework	50 points
Midterm test	100 points
Final test	150 points
Proof test	100 points
Quizzes	100 points

There is a total of 500 points.

The cutoffs for letter grades will be used are:

A 450 pts, B 400 pts, C 350 pts, D 300 pts.

Any request for re-grading of a test or a quiz must be done within one week of the day on which it was returned to you. You can not make any change on the problems that need to be re-graded.

University Policies

This section outlines the university level policies that must be included in each course syllabus. The TAMU Faculty Senate established the wording of these policies.

- Attendance Policy

The university views class attendance and participation as an individual student responsibility. Students are expected to attend class and to complete all assignments.

Please refer to Student Rule 7 in its entirety for information about excused absences, including definitions, and related documentation and timelines.

- Makeup Work Policy

Students will be excused from attending class on the day of a graded activity or when attendance contributes to a student's grade, for the reasons stated in Student Rule 7, or other reason deemed appropriate by the instructor.

Please refer to Student Rule 7 in its entirety for information about makeup work, including definitions, and related documentation and timelines.

Absences related to Title IX of the Education Amendments of 1972 may necessitate a period of more than 30 days for make-up work, and the timeframe for make-up work should be agreed upon by the student and instructor" (Student Rule 7, Section 7.4.1).

"The instructor is under no obligation to provide an opportunity for the student to make up work missed because of an unexcused absence" (Student Rule 7, Section 7.4.2).

Students who request an excused absence are expected to uphold the Aggie Honor Code and Student Conduct Code. (See Student Rule 24.)

- Academic Integrity Statement and Policy

"An Aggie does not lie, cheat or steal, or tolerate those who do."

"Texas A&M University students are responsible for authenticating all work submitted to an instructor. If asked, students must be able to produce proof that the item submitted is indeed the work of that student. Students must keep appropriate records at all times. The inability to authenticate one's work, should the instructor request it, may be sufficient grounds to initiate an academic misconduct case" (Section 20.1.2.3, Student Rule 20).

You can learn more about the Aggie Honor System Office Rules and Procedures, academic integrity, and your rights and responsibilities at aggiehonor.tamu.edu.

NOTE: Faculty associated with the main campus in College Station should use this Academic Integrity Statement and Policy. Faculty not on the main campus should use the appropriate language and location at their site.

- Americans with Disabilities Act (ADA) Policy

Texas A&M University is committed to providing equitable access to learning opportunities for all students. If you experience barriers to your education due to a disability or think you may have a disability, please contact Disability Resources in the Student Services Building or at (979) 845-1637 or visit disability.tamu.edu. Disabilities may include, but are not limited to attentional, learning, mental health, sensory, physical, or chronic health conditions. All students are encouraged to discuss their disability related needs with Disability Resources and their instructors as soon as possible.

- Title IX and Statement on Limits to Confidentiality

Texas A&M University is committed to fostering a learning environment that is safe and productive for all. University policies and federal and state laws prohibit gender-based discrimination and sexual harassment, including sexual assault, sexual exploitation, domestic violence, dating violence, and stalking.

With the exception of some medical and mental health providers, all university employees (including full and part-time faculty, staff, paid graduate assistants, student workers, etc.) are Mandatory Reporters and must report to the Title IX Office if the employee experiences, observes, or becomes aware of an incident that meets the following conditions (see University Rule 08.01.01.M1):

- The incident is reasonably believed to be discrimination or harassment.
- The incident is alleged to have been committed by or against a person who, at the time of the incident, was (1) a student enrolled at the University or (2) an employee of the University.

Mandatory Reporters must file a report regardless of how the information comes to their attention – including but not limited to face-to-face conversations, a written class assignment or paper, class discussion, email, text, or social media post. Although Mandatory Reporters must file a report, in most instances, you will be able to control how the report is handled, including whether or not to pursue a formal investigation. The University’s goal is to make sure you are aware of the range of options available to you and to ensure access to the resources you need.

Students wishing to discuss concerns in a confidential setting are encouraged to make an appointment with Counseling and Psychological Services (CAPS).

Students can learn more about filing a report, accessing supportive resources, and navigating the Title IX investigation and resolution process on the University’s Title IX webpage.

- **Statement on Mental Health and Wellness**

Texas A&M University recognizes that mental health and wellness are critical factors that influence a student’s academic success and overall wellbeing. Students are encouraged to engage in proper self-care by utilizing the resources and services available from Counseling & Psychological Services (CAPS). Students who need someone to talk to can call the TAMU Helpline (979-845-2700) from 4:00 p.m. to 8:00 a.m. weekdays and 24 hours on weekends. 24-hour emergency help is also available through the National Suicide Prevention Hotline (800-273-8255) or at suicidepreventionlifeline.org.

- **COVID-19 Temporary Amendment to Minimum Syllabus Requirements**

The Faculty Senate temporarily added the following statements to the minimum syllabus requirements in Spring 2021 as part of the university’s COVID-19 response.

Campus Safety Measures

To promote public safety and protect students, faculty, and staff during the coronavirus pandemic, Texas A&M University has adopted policies and practices for the Spring 2021 academic term to limit virus transmission. Students must observe the following practices while participating in face-to-face courses and course-related activities (office hours, help sessions, transitioning to and between classes, study spaces, academic services, etc.):

- Self-monitoring—Students should follow CDC recommendations for self-monitoring. Students who have a fever or exhibit symptoms of COVID-19 should participate in class remotely and should not participate in face-to-face instruction.

- Face Coverings—Face coverings (cloth face covering, surgical mask, etc.) must be properly worn in all non-private spaces including classrooms, teaching laboratories, common spaces such as lobbies and hallways, public study spaces, libraries, academic resource and support offices, and outdoor spaces where 6 feet of physical distancing is difficult to reliably maintain. Description of face coverings and additional guidance are provided in the Face Covering policy and Frequently Asked Questions (FAQ) available on the Provost website.
- Physical Distancing—Physical distancing must be maintained between students, instructors, and others in course and course-related activities.
- Classroom Ingress/Egress—Students must follow marked pathways for entering and exiting classrooms and other teaching spaces. Leave classrooms promptly after course activities have concluded. Do not congregate in hallways and maintain 6-foot physical distancing when waiting to enter classrooms and other instructional spaces.
- To attend a face-to-face class, students must wear a face covering (or a face shield if they have an exemption letter). If a student refuses to wear a face covering, the instructor should ask the student to leave and join the class remotely. If the student does not leave the class, the faculty member should report that student to the Student Conduct office for sanctions. Additionally, the faculty member may choose to teach that day's class remotely for all students.

Attendance Policy For Spring 2021

Students required to quarantine or self-isolate should still participate in courses and course-related activities remotely and must not attend face-to-face course activities. Students under quarantine or self-isolation are expected to participate in courses and complete graded work unless they have symptoms that are too severe to participate in course activities. Instructors teaching courses delivered only face-to-face should work closely with students who are in quarantine or self-isolation to ensure the student keeps up with the work.

Students experiencing personal injury or illness that is too severe for the student to attend class qualify for an excused absence (see Student Rule 7, Section 7.2.2). To receive an excused absence, students must comply with the documentation and notification guidelines outlined in Student Rule 7. While Student Rule 7, Section 7.3.2.1, indicates a medical confirmation note from the student's medical provider is preferred, please be understanding as not all illnesses may require a visit to a physician, especially during this time.

Operational Details for Spring 2021 Courses

For additional information, please review the FAQ on Spring 2021 courses at Texas A&M University.

- College and Department Policies

College and departmental units may establish their own policies and minimum syllabus requirements. As long as these policies and requirements do not contradict the university level requirements, colleges and departments can add them in this section.