

MATH 2000 (Discrete Math)

Fall 2026, UNT

Lecture: CURY 322, TR 11:10-12:30pm

Instructor: [Professor Olav Richter](#)

- **Office:** GAB 412
- **Office hours:** TR 1:00-3:00pm, and by appointment
- **email:** richter@unt.edu

Course Description: In MATH 2000, students learn the basic concepts and ideas necessary for upper-division courses in mathematics. We introduce elementary mathematical logic, sets, functions, and relations, and we study different methods of mathematical proof with a strong emphasis on mathematical induction. In addition, we use these methods to prove some theorems in number theory, one of the most beautiful areas of mathematics!

Prerequisites for MATH 2000: MATH 1710 or MATH 1810 (may be taken concurrently).

Textbook:

- **Title:** [Discrete Mathematics with Applications, 5th Edition](#)
- **Authors:** [Susanna S. Epp](#)
- **Publisher:** [Cengage Learning](#)

Expectations: You are expected to **come to every lecture** and come **on time**. You are responsible for everything that happens in class. You are expected to read the assigned sections before each lecture and to review your notes after each lecture.

Attendance Policy: Arriving more than 10 minutes late or leaving more than 10 minutes early counts as an unexcused absence. You are permitted two unexcused absences. For every unexcused absence beyond the second, your attendance grade will be reduced by 1%.

Homework: I will *usually* assign homework on Thursday (posted on canvas), and the assignments are *usually* due the following Thursday at the beginning of class (to be uploaded on canvas). Late homework will **NOT** be accepted for any reason. Your lowest homework score will be dropped (This includes work you miss due to illness, family emergency, transportation problems, oversleeping, work schedule, completing the wrong section, completing the wrong problems, etc.).

Exams & Grading Policy: Your final grade will be based on attendance, homework, two midterms, and a comprehensive final. No books or notes or calculators will be allowed on any of the exams. The midterms will be on Sep 22th and on Oct 27th. The final exam date will be on Dec 10th. Please make sure that you are available at those dates, since there will be **No make up exams!**

- Syllabus for MATH 2000 (Fall 2026)
- The grade is comprised of
- **Attendance (10%),**
 - **Homework (10%),**
 - **2 Midterms (40%),**
 - **Comprehensive Final (40%).**

You are encouraged to study together and help each other throughout the semester. If everyone does well, everyone will receive a good grade.

Lecture schedule: The following *Tentative Lecture Schedule* gives you an idea what material I *intend* to cover in this class, but note that the schedule *might change* often. The lectures will *not* be recorded, and you are responsible for all announcements/assignments made in class!

Tentative Lecture Schedule

Tu Aug 18 2.1+2.2	Th Aug 20 3.1+3.2	Tu Aug 25 3.3+4.1+4.2	Th Aug 27 4.3+4.4+HW	Tu Sep 1 4.5	Th Sep 3 4.7+HW	Tu Sep 8 4.8+5.1	Th Sep 10 5.1+HW
Tu Sep 15 5.2	Th Sep 17 Review+HW	Tu Sep 22 Midterm	Th Sep 24 5.3	Tu Sep 29 5.4+5.6	Th Oct 1 5.6+HW	Tu Oct 6 5.7+6.1	Th Oct 8 6.1+HW
Tu Oct 13 6.2	Th Oct 15 7.1+HW	Tu Oct 20 7.2	Th Oct 22 Review+HW	Tu Oct 27 Midterm	Th Oct 29 7.3	Tu Nov 3 8.1+8.2	Th Nov 5 8.2+8.3+HW
Tu Nov 10 8.3+8.4	Th Nov 12 8.4+HW	Tu Nov 17 8.4	Th Nov 19 8.4+HW	Tu Dec 1 Review	Th Dec 3 Review		Tu Dec 10 FINAL 10:30-12:30pm

UNT Policies

Academic Integrity Policy: According to UNT Policy 06.003, Student Academic Integrity, academic dishonesty occurs when students engage in behaviors including, but not limited to cheating, fabrication, facilitating academic dishonesty, forgery, plagiarism, and sabotage. A finding of academic dishonesty may result in a range of academic penalties or sanctions ranging from admonition to expulsion from the University.

ADA Policy: UNT makes reasonable academic accommodation for students with disabilities. Students seeking accommodation must first register with the Office of Disability Accommodation (ODA) to verify their eligibility. If a disability is verified, the ODA will provide a student with an accommodation letter to be delivered to faculty to begin a private discussion regarding one’s specific course needs. Students may request accommodations at any time, however, ODA notices of accommodation should be provided as early as possible in the semester to avoid any delay in implementation. Note that students must obtain a new letter of reasonable accommodation for every semester and must meet with each faculty member prior to implementation in each class. Students are strongly encouraged to deliver letters of reasonable accommodation during faculty office hours or by appointment. Faculty members have the authority to ask

students to discuss such letters during their designated office hours to protect the privacy of the student. For additional information see the [ODA website](#).

Prohibition of Discrimination, Harassment, and Retaliation (Policy

16.004): UNT prohibits discrimination and harassment because of race, color, national origin, religion, sex, sexual orientation, gender identity, gender expression, age, disability, genetic information, veteran status, or any other characteristic protected under applicable federal or state law in its application and admission processes; educational programs and activities; employment policies, procedures, and processes; and university facilities. The University takes active measures to prevent such conduct and investigates and takes remedial action when appropriate.

Emergency Notification & Procedure: UNT uses a system called Eagle Alert to quickly notify students with critical information in the event of an emergency (i.e., severe weather, campus closing, and health and public safety emergencies like chemical spills, fires, or violence). In the event of a university closure, please refer to Canvas for contingency plans for covering course materials.

Unauthorized Aids During Examinations and Assessments: Students may use only those materials and resources that are expressly authorized by the instructor for a particular examination or assessment. Touching, holding, or accessing any unauthorized aid during the examination period constitutes a violation of the Student Code of Conduct, regardless of whether the aid is used. Any item that may be considered an unauthorized aid must be kept out of view and in a closed container (e.g. zipped backpack, buttoned purse, etc.) during the entirety of the examination or assessment. Unless specifically authorized in writing by the instructor, prohibited aids include, but are not limited to:

- Mobile phones and smartphones
- Smartwatches and fitness trackers with communication, recording, or internet capabilities
- Tablets, laptops, and other computing devices
- Earbuds, headphones, and other audio devices
- Smart glasses, cameras, recording devices, and wearable technology
- Artificial intelligence (AI) tools, chatbots, and other generative AI technologies
- Notes, textbooks, study guides, formula sheets, or reference materials
- Any other device, material, or resource not expressly permitted by the instructor

Students are responsible for clarifying any questions about permitted materials before the examination begins.