University of North Texas
College of Science
Mathematics Department
MATH 1100
Summer 2026

Instructor Contact Information

Name	Ms. Lauren De La Rosa
Pronouns	She/Her/Hers
Office location	GAB 437
Virtual Tutoring Hours	By appointment. Tuesday, Wednesday, & Thursday from 12 pm to 3:30 pm Please use the following link to view my availability and schedule an virtual appointment. Schedule a virtual appointment with me
Email Address	Lauren.DeLaRosa@unt.edu *I appreciate hearing from my students and welcome your questions and communication throughout the summer. Since I work with several classes and many students each term, please include the course name, course number and section, along with your full name, in the subject line of your email. This helps me identify your message quickly and respond more efficiently. Emails without this information may occasionally be missed or delayed. I will respond to all emails within two (2) business days, though most replies will be sent sooner.*

Course Information

Course Title	College Algebra
Course Number	MATH 1100
Course Section	400, 410, & 420
Course Description	Designed to build technical proficiency in algebra for students who will need strong algebra skills in a higher-level mathematics course. Study of polynomial, radical, rational, logarithmic and exponential functions with applications; building functions from data; systems of equations. Note that MATH 1100 at UNT does not satisfy the mathematics component of the core curriculum. Students who feel they acquired solid algebra skills in high school are strongly encouraged to take the mathematics placement exam to begin in a higher-level mathematics course.
Course Pre-requisites	Two years of high school algebra and one year of geometry, and consent of department. A grade of C or better in MATH 1100 is required when MATH 1100 is a prerequisite for other mathematics courses.
Course Objectives	Upon successful completion of this course, students will: 1. Demonstrate and apply knowledge of properties of functions, including domain and range, operations, compositions, and inverses. 2. Recognize and apply polynomial, rational, radical, exponential and logarithmic functions and solve related equations. 3. Apply graphing techniques. 4. Evaluate all roots of higher degree polynomial and rational functions. 5. Recognize, solve and apply systems of linear equations using matrices.

Course Title	College Algebra
Course Structure	This course takes place 100% online and your interaction with me and with your fellow students will take place in Canvas. The course will cover 8 modules and you will be assessed by completing 3 exams and a cumulative final exam.
Course Outline	View the Course Calendar for specific topics and dates.
Course Materials	McGraw-Hill's ALEKS. You will access your math course platform via Canvas. The course content (assignments, help tools, textbook, etc.) is delivered in the online platform Canvas (https://unt.instructure.com). Register in ALEKS the first class day of the semester. No extensions will be given for any missed assignments for any reason. Not having access to ALEKS is not an exception. ALEKS access will include eText College Algebra with Corequisite Support, 1e Edition, by Miller/Gerken. You **must** purchase the following: • COREQUISITE ALEKS 360CARD COLLEGE ALGEB. Publisher: McGraw-Hill ISBN: 9781266387142 McGraw-Hill's ALEKS platform includes a free 14-day trial access period at the beginning of the course. Please make sure to purchase your ALEKS access before the trial period ends. If access is not purchased before the expiration date, you may lose credit for work completed during the trial period. Purchase information can be found in the Introduction Module. Also, please create only one ALEKS account. Each semester, I see students accidentally create duplicate accounts, which can cause progress and grades not to sync correctly. Inactive or duplicate accounts may result in lost progress that cannot always be recovered.
Calculator policy	Calculators are generally not used in this course, as the focus is on building strong algebraic and problem-solving skills by hand. There may be a few homework assignments where a scientific calculator is helpful or required, and I will let you know when that applies. However, calculators are not permitted on any quizzes or exams, so it is important to become comfortable working problems without one throughout the semester.
Teaching Philosophy	Each student brings different experiences, perspectives, strengths, and talents into the classroom, and that is part of what makes learning meaningful. I truly believe we can learn a lot from one another throughout the semester. My goal is not only to help you grow in your math skills, but also to encourage you to build confidence in yourself as a learner. I also want to emphasize the importance of organization and good habits—whether that means taking clear notes, managing your time well, or developing effective study routines. Most importantly, I hope this course encourages you to stay curious, ask questions, and be willing to challenge yourself along the way.

Course Technology & Skills

Minimum Technology Requirements	• Computer, tablet, or laptop that is compatible with all required apps for the course • A smartphone is not sufficient • Reliable internet access • Webcam and microphone for proctored testing • Speaker for Zoom sessions • Canvas Technical Requirements (https://clear.unt.edu/supported-technologies/canvas/requirements) • ALEKS Technical Requirements • (https://www.aleks.com/support/system_requirements)
Computer Skills & Digital Literacy	• Navigate Canvas and ALEKS • Message electronically through Canvas Inbox • Download and install course software, Respondus Lock Down Browser • Complete assignments online (Canvas, ALEKS) • Using email with attachments • Scanning documents and saving as PDF • Upload documents to Canvas

Online Course System

The University is committed to providing a reliable online course system to all users. However, part of working in the online environment involves dealing with the inconveniences and frustration that can arise when technology breaks down or does not perform as expected. Here at UNT we have a Student Help Desk that you can contact for help with Canvas or other technology issues.

UIT Help Desk	UIT Help Desk http://www.unt.edu/helpdesk/index.htm
Email	helpdesk@unt.edu
Phone	940.565.2324
In Person	Sage Hall, Room 130
Canvas technical requirements	For additional support, visit Canvas Technical Help (https://community.canvaslms.com/docs/DOC-10554-4212710328)

Assessment and Grading

Assignment	Percentage of Final Grade
Exam 1 - (Modules 1, 2, and 3)	15%
Exam 2 - (Modules 4 and 5)	15%
Exam 3 – (Modules 6 and 7)	15%
ALEKS Homework	20%
Engagement Tasks (Discussions, Orientation assignments)	10%
Cumulative Final Exam	25%

Evaluation Procedures

Your course grade will be determined by the following:

- A = 90 – 100%
- B = 80 – 89%
- C = 70 – 79%
- D: 60 – 69%
- F: 0 – 59%

Final course grades are calculated carefully and consistently for all students. At the end of the semester, final weighted averages may be rounded up by no more than 0.05 percentage points. Because of this, I strongly encourage you to keep track of your progress throughout the semester and take advantage of opportunities to ask questions, seek help, and stay engaged in the course before final grades are calculated.

*Note: A grade of C or better is required for this course to serve as a prerequisite for any math course.

Exams and Assignments

ALEKS Homework

Homework will be assigned regularly throughout this summer term, and most assignments will be completed through ALEKS. Since summer courses move at a much faster pace, it is especially important to stay consistent and avoid falling behind. While much of the coursework is submitted electronically through Canvas and ALEKS, I strongly encourage you to work problems out on paper as you go. In my experience, students learn and retain the material much better when they take the time to write out their work, organize their steps, and practice the process by hand rather than relying only on the online system.
I also understand that summer schedules can be busy and fast-moving, so at the end of the term, your three (3) lowest homework grades will be dropped when calculating your homework average.

The main purpose of homework in this course is to give you consistent opportunities to learn, practice, and retain new material. Math is a skill that improves through regular practice, and staying engaged with the homework is one of the best ways to build confidence and keep up with the pace of the course. Since this is a summer class and we move quickly, it is important to stay on top of assignments from the very beginning of the term.

You can expect approximately four (4) to eight (8) ALEKS homework assignments each week, beginning during the first week of class. All assignments are due by 11:59 PM on the listed due date. I know everyone's schedules are different during the summer, so if the due times may conflict with work, travel, or other responsibilities, please plan ahead and complete assignments early whenever possible.

Exams

There will be three (3) exams given during the semester. There are no retakes on exams.

- Exam 1 – Friday, June 12, 5 AM – 11:59 PM. Modules 1, 2, and 3
- Exam 2 – Thursday, July 2, 5 AM – 11:59 PM. Modules 4 and 5
- Exam 3 – Friday, July 17, 5 AM – 11:59 PM. Modules 6 and 7

Final Exam

The Final Exam is comprehensive and will test the student's math skills on all content covered throughout the entire semester. This exam will be taken during the last week of classes at the time specified in the official Final Exam Schedule.

Engagement Tasks

Engagement tasks include orientation assignments and discussion posts. Discussion assignments are designed to foster connection, encourage interaction, and support collaborative learning with your classmates..

Important Dates

Date	Importance of date
June 1	Classes Begin
June 8	Census Date
June 19	Juneteenth Holiday
July 3	4th of July Holiday
July 10	Last day for a student to drop a course with a W.
July 11	Beginning this date, a student who qualifies may request an Incomplete, with a grade of I.
July 23	Last Regular Class Meeting
July 24	Final Exams

Course Policies

Classroom Etiquette

Appropriate behavior—both in person and online—is expected of all students in this course. Attendance is defined as actively engaging with instructional videos and course materials on a regular basis. Students are expected to stay current with each lesson. I am available during office hours and via email to support specific questions and clarify concepts; however, these resources are not intended for full lesson reteaching or individualized instruction.

Course Requirements

As a general guideline, students should expect to spend approximately six (6) hours per week for each one (1) credit hour working on course materials in order to successfully learn the content. For this course, that equates to about eighteen (18) hours per week. Students should plan their schedules accordingly and may need to adjust this time commitment based on their individual learning needs and pace

Assignment Policy

- Please maintain a dedicated notebook for working through homework problems. Be sure to label each problem with its corresponding section and show all steps in your work.
- Although ALEKS may only require a final answer, it is important that you fully work through each problem and show all steps in your own notes. This practice will strengthen your understanding and help you succeed on assessments. Keep in mind that ALEKS does not award partial credit, which can make relying on final answers alone frustrating.
- Students are encouraged to approach ALEKS assignments as practice for assessments. Whenever possible, attempt problems independently before consulting notes or resources. This will help build problem-solving skills and better prepare you for exams.
- The due dates for the ALEKS assignments will be posted in ALEKS.
- Students are expected to check ALEKS regularly to stay current with assignments and deadlines.
- At the end of the term, the three (3) lowest homework grades will be dropped from your overall homework average.

Late work Policy

Assignments must be completed and submitted online by the posted due date and time. Work not submitted by the deadline will receive a grade of zero. Students are responsible for planning ahead to account for potential technical issues. Difficulties such as internet access problems or computer issues are not considered valid reasons for missing a deadline.

Academic Dishonesty

Academic integrity is expected of all students in this course. Cheating will not be tolerated. Any student found engaging in academic dishonesty will receive a zero on the assignment and may receive a failing grade for the course in cases involving exams. All incidents will be reported to the Office of Academic Integrity.

Cheating includes but is not limited to: discussing exam questions with other students currently enrolled in the course; sharing or posting exam content on messaging platforms or

other online spaces; accessing notes, textbooks, cell phones, or any unauthorized resources during an exam; and giving or receiving help on assessments when it is not permitted. The use of cell phones or other electronic devices during exams is strictly prohibited and will be considered a violation of academic integrity.

AI Use Policy

Generative AI tools (e.g., ChatGPT, Microsoft Copilot) may be used in a limited capacity to support your work, such as checking grammar, spelling, or improving the clarity and organization of your writing. Any use of AI tools must be clearly disclosed in your submission.
Using AI to generate complete assignments or to complete work on your behalf is not permitted. The use of AI during exams or on assignments where it is not explicitly allowed is strictly prohibited. Violations of this policy will be treated as academic integrity violations in accordance with university policy.

Exam Policy

There will be three (3) exams during the semester, each worth 15% of the overall course grade. Students are encouraged to keep a record of their scores and to review each exam after it has been graded to better understand mistakes and improve future performance.

Exams will be administered through Canvas using Respondus LockDown Browser and will be available during a designated 16-hour testing window. Exams must be submitted by 11:59 PM; any exam not submitted by this deadline will receive a grade of zero, regardless of the time the exam was started.

Exams can be accessed through the Syllabus link in the Canvas navigation menu or within the course content modules.

Early Exam

If you have a conflict with a scheduled exam date, you may request to take the exam early. Please submit your request through the Canvas Inbox at least one week prior to the scheduled exam date so arrangements can be made. While I will do my best to accommodate requests, those submitted less than one week in advance may not be possible to honor

Exam Etiquette

- Please review the "How to Take an Exam with Respondus" module in Canvas before your first exam.
- Before beginning the exam, ensure your testing environment is prepared by clearing your workspace and having all required materials ready. You may be asked to show a clean desk surface to the webcam.
- Once the exam is opened, you will have 80 minutes to complete it. (Additional time will be provided for the final exam.) For this reason, do not begin the exam until you are fully prepared and your technology is functioning properly.
- Students are responsible for ensuring that their equipment and internet connection are working before starting the exam. Additional time or exam resets will not be provided due to technical difficulties.
- You are required to complete your work on your own paper and clearly show your work to the webcam when prompted. Complete and visible work is necessary to receive credit; submissions without valid supporting work will not be eligible for credit.

Exam grades will be posted in Canvas approximately one week after the exam. Students are welcome to meet with me to review exam problems and better understand their performance. While I am happy to clarify solutions and address questions, all grading decisions are final and not subject to revision..

Missed Exam Policy	○ **Advanced notice of absence**: Advanced notice of absence: If you have a known conflict with a scheduled exam date, you may request to take your exam early. The request must be sent to Canvas Inbox at least one week prior to the scheduled exam date, as this allows enough time to make proper adjustments/arrangements. If a student does not take a scheduled exam, a zero will be recorded for that exam and a notice may be sent through the registrar's office. ○ **University excused absence:** Students with a university-excused absence—such as active military service, a religious observance, or participation in an official university function, as outlined in the Student Attendance and Authorized Absences Policy (PDF) , —may make up a missed exam without penalty. Documentation must be provided within two (2) business days of the missed exam. Students who miss an exam due to documented illness will be offered the same option. In these cases, students may either complete the missed exam at an arranged time or choose to have the missed exam grade replaced by their final exam grade.by your final exam grade (this includes missing an exam due to illness). ○ **Unexcused Absence:** If you miss an exam, a grade of zero will be recorded. One (1) missed exam may be replaced by your final exam score, up to a maximum replacement grade of 75%. This replacement option is limited to one exam only; any additional missed exams will remain as zeros. ○ This replacement policy does not apply in cases of academic dishonesty. If a grade of zero is assigned due to academic integrity violations, the final exam score will not replace that zero.
Attendance Policy	In this course, attendance is defined as actively engaging with instructional videos and course materials. Students are expected to stay current with all lessons. Office hours and email are available to support specific questions or clarify particular concepts; however, they are not intended for full lesson reteaching or individualized instruction. If you anticipate being absent or unable to engage with course material, please communicate with the instructor in advance so we can discuss ways to minimize the impact on your progress toward course learning goals. If you are unable to participate due to illness, please notify the instructor and prioritize your health and the well-being of others in the course community.
Class Participation	Active participation is an essential part of this course. Although the course is fully online, it is designed to be engaging and interactive. Students are expected to regularly engage with instructional videos, complete assigned activities, and participate in discussions. Much of your learning will develop through consistent interaction with course materials and communication with your classmates.
Instructor Responsibility and Feedback	Instructor Responsibility — As the instructor for this course, my goal is to support your growth in mathematical understanding and confidence. I strive to present course content in a clear and organized manner, promote effective study habits, and provide guidance on course topics, assignments, and expectations. I am also available to answer questions and can help connect you with additional campus resources when needed. Feedback and Communication — I aim to respond to emails within 24–48 hours. Exams and other major assessments will typically be graded and returned within one week.
Syllabus Change Policy	The instructor reserves the right to amend, revise, or update this syllabus as needed. Any changes will be communicated to students in advance, discussed as appropriate, and posted through the course for reference.

Suggested Calendar/Schedule

Week 1

6/1/26	Syllabus Quiz Meet Your Instructor/Introduce Yourself Discussion ALEKS Initial Knowledge Check
6/2/26	M1A Order of operations (GEMS) & Fractions M1B Radical Expressions & Rationalizing Radicals
6/3/26	M1C Solving Linear Equations & Inequalities
6/4/26	M1D Graphing Linear Equations M1E Slope formula & Equations of lines
6/5/26	M2A Intro to Functions M2B Domain/Range of Functions

Week 2

6/8/26	M2C Distance & Midpoint M2D Piecewise functions
6/9/26	M3A Evaluate functions M3B Rate of change & difference quotient
6/10/26	M3C Algebra of functions M3D Composition of Functions
6/11/26	M3E Inverse Functions
6/12/26	Exam 1 - Available from 5 am to 11:59 pm

Week 3

6/15/26	M4A Absolute value Equations & Inequalities
6/16/26	M4B Complex Numbers M4C Factoring
6/17/26	M4C Factoring (Continued) M4D Solve Equ & Inequalities by Factoring
6/18/26	M4D Solve Equ & Inequalities by Factoring (Continued) M4E: Solve Equations using square root property, completing the square & quadratic formula
6/19/26	Juneteenth Observance - No Classes

Week 4

6/22/26	M4E: Solve Equations using square root property, completing the square & quadratic formula
6/23/26	M4E: Solve Equations using square root property, completing the square & quadratic formula
6/24/26	M5A Solve Rational Equations & Inequalities
6/25/26	M5A Solve Rational Equations & Inequalities
6/26/26	M5B Solve Radical Equations

Week 5

6/29/26	M5C Logarithms
6/30/26	M5C Logarithms M5D Solve Exponential & Log Equations
7/1/26	M5D Solve Exponential & Log Equations (continued)
7/2/26	Exam 2 - Available from 5 am to 11:59 pm
7/3/26	Independence Day - No classes

Week 6

7/6/26	M6A Transformations M6B symmetry & Even and Odd functions
7/7/26	M6C Graphing Quadratic functions
7/8/26	M6D Graphing Rational functions
7/9/26	M6D Graphing Rational functions
7/10/26	M7A Graphing Polynomial Functions

Week 7

7/13/26	M7B Polynomial Division & theorems
7/14/26	M7B Polynomial Division & theorems (continued)
7/15/26	M7C Graphing Radical Functions M7D Graphing Exponential Functions
7/16/26	M7E Graphing Logarithmic Functions
7/17/26	Exam 3 - Available from 5 am to 11:59 pm

Week 8

7/20/26	M8A Linear Applications M8B Quadratic Applications
7/21/26	M8C Exponential Applications
7/22/26	M8D System (Matrix) Applications
7/23/26	M8D System (Matrix) Applications (continued)
7/24/26	Final Exam - Available Friday, July 24th from 5:00 am to 11:59 am

Welcome to UNT!

As members of the UNT community, we have all made a commitment to be part of an institution that respects and values the identities of the students and employees with whom we interact. UNT does not tolerate identity-based discrimination, harassment, and retaliation. UNT's full Non-Discrimination Policy can be found in the UNT Policies section of the syllabus.

UNT Policies

In addition to standards for success in courses, there are UNT policies and procedures in place to support students. You can access these policies in Navigate (Navigate.unt.edu), in Canvas under the Help menu, in EIS, and on the Student Support Services & Policies page, which includes:

- Policies include:
  - Prohibition of Discrimination, Harassment and Retaliation, Academic Integrity Policy, ADA Policy and Retention of Student Records
- Student Expectations and Preferences include:

    - Acceptable Student Behavior, Use of Student Work, Important Notice for F-1 Students Taking Distance Education Courses, Student Verification
- Student Wellness and Academic Resources include:
    - Survivor Advocacy, Mental Health, Technical Assistance, Academic Support Services and Additional Student Support Services
- Communications include:
    - Eagle Connect, Emergency Notification and Student Evaluation Administration Dates

Rules of Engagement

Rules of engagement refer to the way students are expected to interact with each other and with their instructors. Here are some general guidelines:

- While the freedom to express yourself is a fundamental human right, any communication that utilizes cruel and derogatory language on the basis 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 will not be tolerated.
- Treat your instructor and classmates with respect in any communication online or face-to-face, even when their opinion differs from your own.
- Speak from personal experiences. Use "I" statements to share thoughts and feelings. Try not to speak on behalf of groups or other individual's experiences.
- Use your critical thinking skills to challenge other people's ideas, instead of attacking individuals.
- Avoid using all caps while communicating digitally. This may be interpreted as "YELLING!"
- Be cautious when using humor or sarcasm in emails or discussion posts as tone can be difficult to interpret digitally.
- Avoid using "text-talk" unless explicitly permitted by your instructor.
- Proofread and fact-check your sources.
- Keep in mind that online posts can be permanent, so think first before you type.

Important Notice for F-1 Students taking Distance Education Courses

Federal Regulation

Federal regulations state that students may apply only 3 fully-online semester credit hours (SCH) to the hours required for full-time status for F-1 Visa (DOC) holders. Full-time status for F-1 Visa students is 12 hours for undergraduates and 9 hours for graduate students.

University of North Texas Compliance

To comply with immigration regulations, an F-1 visa holder within the United States may need to engage in an on-campus experiential component for this course. This component (which must be approved in advance by the instructor) can include activities such as taking an on-campus exam, participating in an on-campus lecture or lab activity, or other on-campus experience integral to the completion of this course.
If such an on-campus activity is required, it is the student's responsibility to do the following:
(1) Submit a written request to the instructor for an on-campus experiential component within one week of the start of the course.
(2) Ensure that the activity on campus takes place and the instructor documents it in writing with a notice sent to the International Student and Scholar Services Office. ISSS has a form available that you may use for this purpose.
Because the decision may have serious immigration consequences, if an F-1 student is unsure about his or her need to participate in an on-campus experiential component for this course, s/he should contact the UNT International Student and Scholar Services Office (telephone 940-565-2195 or email internationaladvising@unt.edu) to get clarification before the one-week deadline.