College Algebra
Math 1100.501 Fall 2025

Instructor Information

Name	Julie Thompson
Office location	FRLD 366
Office Hours	MW 1:00PM–3:15PM or by appt.
Email Address	julie.thompson2@unt.edu

If you have a general question about the course, please send me a **Canvas message** (preferred) or an email with **"MATH 1100.501" in the subject line**. *To protect your privacy, I will only reply to emails sent from your UNT account.*

I will check my Canvas messages and email every day (except weekends and holidays), and you can expect a response within one day. If you message me on Friday or over the weekend, expect a response by the following Monday!

Course Description, Structure, and Objectives

Course Title	College Algebra
Course Number	MATH 1100
Course Section	501
Class Meeting Time	TR 11:00AM - 12:20PM Location: FRLD 260
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 Title   College Algebra
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 Structure   This is a 16-week course that meets face-to-face in a classroom two times a week. The course will cover 8 modules, and you will be assessed by completing 3 exams and a comprehensive final exam.

Required Course Materials

This course has digital components. To fully participate in this class, students will need internet access to reference content on the Canvas Learning Management System and ALEKS. If circumstances change, you will be informed of other technical needs to access course content. Information on how to be successful in a digital learning environment can be found at Learn Anywhere (https://online.unt.edu/learn).

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.

ALEKS grants a no-cost, temporary 14-day access. You ***must purchase your access*** before the temporary access expires. **If you do not make the purchase before the temporary period ends, you may lose credit for all work previously completed.** Use your official UNT roster name when you register in ALEKS. I cannot give credit to a student enrolled in this course for work completed under a different name.

You must purchase the following:
- COREQUISITE ALEKS 360CARD COLLEGE ALGEB. Publisher: McGraw-Hill ISBN: 9781266387142

Calculator Policy

Calculators are **not** allowed in this course. Occasionally, you will be asked to use a scientific calculator on your homework.

Learning Center: Math Lab

Location   Sage Hall Room 130

Days/Hours   Monday – Thursday: 9am – 5pm
                       Friday: 9am – 3pm

Additional information UNT Math Lab

Course Technology & Skills

Minimum Technology
Requirements

- Access to a Computer
- Reliable internet access
- Canvas Technical Requirements (https://clear.unt.edu/supported-technologies/canvas/requirements)
- ALEKS Technical Requirements

Computer Skills & Digital
Literacy

- Using Canvas
- Using email with attachments
- Scanning documents and saving as PDF
- Using iClicker during class

Assessment

Evaluation components include activities, attendance, homework, modules exams and the final exam.
Description of each component follows

Homework (ALEKS) – 22.5%
Exam 1 (Modules 1, 2, and 3) – 17.5%
Exam 2 (Modules 4 and 5) – 17.5%
Exam 3 (Modules 6 and 7) – 17.5%
Final Exam (Modules 1-8) – 25%

Course Grade

Your course grade is determined by your performance on the graded items. There will be no opportunity for extra credit after the final exam. Your grades will be posted in Canvas Grades.

- A: [90, ∞)
- B: [80, 90)
- C: [70, 80)
- D: [60, 70)
- F: [0, 60)

Homework

Homework will be given regularly. Most of your homework will be administered through ALEKS. Although the majority of your homework will be presented electronically through Canvas and ALEKS, working through the material on paper is essential for learning and developing the math skills in this course. At the end of the term, your three (3) lowest grades will be dropped from the calculation of the homework average.

Exams

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

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](#).

Course Policies

Academic Dishonesty

Cheating will not be tolerated. Any student found cheating will receive a zero on the assignments; and may receive an F for the course, if found cheating on an exam. A report will be filed with the Office of Academic Integrity. Cheating includes, but is not limited to, discussing exam items with any student currently enrolled in this course; posting exam items and/or exam-related questions on messaging apps; accessing notes, textbook, or ANY source of help during a test AND providing help as well.

If a 0 was received on an exam or other assignment due to academic dishonesty, that zero **will not** be dropped from your average at the end of the semester.

The [Academic Integrity Policy (PDF)](#) states: 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.

GenAI Use

Prohibited Use: *In this course, I want you to engage deeply with the materials and develop your own critical thinking and writing skills. For this reason, the use of Generative AI (GenAI) tools like ChatGPT is not permitted. While these tools can be helpful in some contexts, they do not align with our goal of fostering the development of your independent thinking. Using GenAI to complete any part of an assignment, exam, or coursework will be considered a violation of academic integrity, as it prevents the development of your own skills, and will be addressed according to the [Student Academic Integrity policy](#) (https://policy.unt.edu/policy/06-003).*

ADA Policy

The University of North Texas makes reasonable accommodations for students with disabilities. To request accommodations, you must first register with the Office of Disability Access (ODA) by completing an application for services and providing documentation to verify your eligibility each semester. Once your eligibility is confirmed, you may request your letter of accommodation. ODA will then email your faculty a letter of reasonable accommodation, initiating a private discussion about your specific needs in the course. You can request accommodations at any time, but it's important to provide ODA notice to your faculty as early as possible in the semester to avoid delays in implementation. Keep in mind that you must obtain a new letter of accommodation for each semester and meet with each faculty member before accommodations can be implemented in each class. You are strongly encouraged to meet with faculty regarding your accommodations during office hours or by appointment. Faculty have the authority to ask you to discuss your letter during their designated office hours to protect your privacy. For more information and to access resources that can support your needs, refer to the [Office of Disability Access](#) website (https://studentaffairs.unt.edu/office-disability-access).

Attendance/Active Participation

Research has shown that students who attend class are more likely to be successful. You should attend every class unless you have a university excused absence such as active military service, a religious holy day, or an official university function as stated in the Student Attendance and Authorized Absences Policy (PDF) (https://policy.unt.edu/policy/06-039). If you cannot attend a class due to an emergency, please let me know. Your safety and well-being are important to me.

In this class, attendance means physically attending class and staying actively engaged in discussions, along with taking notes. As a side note, I have great respect for students who are balancing the demands of their coursework along with the responsibilities of life beyond the classroom. However, if you run into challenges that cause you to fall behind in class, please contact me immediately so we can work together, as there may be resources available to assist and support you.

Examination Policy

There will be three (3) module exams and one (1) final exam during the semester. Keep a record of all your scores. Be sure to review your module exams once it has been officially graded. Your lowest midterm exam score will be replaced by your final exam score (if your final exam score is higher). The final exam is required for everybody to take.

Examination Etiquette

Exams will be taken in the classroom during our regular class meetings. When it is time for the exam, the following lists the expectations:

- Place all papers, textbooks, notes, etc. in a backpack or a book bag and close it securely.

- Turn off/remove all electronic devices (unless medically necessary), this includes cell phones, headphones, laptops, smartwatches, etc.

- Handling of ANY such electronic devices during an exam will be construed as cheating (receiving unauthorized aid) and may result in a zero for that exam.

- Do not wear hats or caps with brims during exams.

- Do not share any materials during an exam. This includes, but is not limited to pencils, erasers, calculators, etc.

- Have only the exam, pencil(s), and an eraser out on table. There will be space to show work on the actual exam.
- You will not be permitted to have any of your own scratch paper during an exam.

If you miss an exam, a grade of zero will be recorded for that exam. If you receive a zero for academic dishonesty on an exam, the final exam score will NOT replace that zero.

Missed Exam Policy

- **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**: if you have a university excused absence such as active military service, a religious holy day, or an official university function as stated in the Student Attendance and Authorized Absences Policy (PDF) , and provide me documentation within 2 business days of the missed exam, then the zero will be replaced by your final exam grade (this includes missing an exam due to illness). If you receive a zero for academic dishonesty on an exam, the final exam score will NOT replace that zero.

o **Unexcused Absence:** If you miss an exam, a zero will be recorded for that exam grade and your final exam score will replace that one zero, up to a maximum grade of 75%. If you receive a zero for academic dishonesty on an exam, the final exam score will NOT replace that zero

Late Work Policy

UNT is a community of dreamers and doers who pursue excellence in everything. With that in mind, there are standards and expectations set for the class, which includes that work will be completed and submitted by the posted due date. If an assignment is not completed and submitted by the due date, then unfortunately a grade of zero will be recorded.

Important Dates

- **Regular Registration Ends:** August 14
- **Late Registration:** August 15 - August 22
- **Last Day to Withdraw from Entire Term on myUNT:** August 17
- **Classes Begin:** August 18
- **Midpoint of the Semester:** October 10
- **Last Day to Drop a Course with a W:** November 7
- **First Day to Request a Grade of Incomplete:** November 8
- **Pre-Finals Days:** December 3-4
- **Reading Day:** December 5
- **Final Exam Week:** December 6 - December 11
- **Semester Ends:** December 12

Tentative Course Schedule

Changes made to the syllabus will be posted as an Announcement in Canvas, so make sure that notifications in Canvas are set correctly.

Week	Date	Topic
Week 1	08/19/25	M1A: Order of Operations & Fractions M1B: Simplify Radical Expression, Rationalizing & Rational Exponents
	08/21/25	M1B: Simplify Radical Expression, Rationalizing & Rational Exponents (continued) M1C: Linear Equations & Inequalities
Week 2	08/26/25	M1D: Graphing Linear Equations M1E: Slope & Equations of Lines
	08/28/25	M2A: Intro to Functions M2B: Domain & Range of Functions

Week	Date	Topics
Week 3	09/02/25	M2C: Distance & Midpoint Formula M2D: Piecewise functions
	09/04/25	M3A: Evaluate functions M3B: Average Rate of Change & Difference Quotient
Week 4	09/09/25	M3C: Algebra of functions M3D: Composition of functions
	09/11/25	M3D: Composition of functions (continued) M3E: Inverse Functions
Week 5	09/16/25	M4A: Abs Value Equations & Inequalities M4B: Complex Numbers; Review
	09/18/25	**Exam 1**
Week 6	09/23/25	M4C: Factoring
	09/25/25	M4D: Solve Equations & Inequalities by factoring
Week 7	09/30/25	M4E: Solve Equations using square root property, completing the square & quadratic formula
	10/02/25	M5A: Solve Rational Equations & inequalities M5B: Solve Radical Equations
Week 8	10/07/25	M5B: Solve Radical Equations (continued) M5C: Logarithms
	10/09/25	M5D: Solve Exponential & Log Equations
Week 9	10/14/25	M6A: Transformations M6B: Symmetry & Even and Odd Functions
	10/16/25	M6B: Symmetry & Even and Odd Functions (continued) M6C: Graphing Quadratic Functions
Week 10	10/21/25	M6D: Graphing Rational Functions; Review
	10/23/25	**Exam 2**
Week 11	10/28/25	M7A: Graphing Polynomial Functions M7B: Polynomial Division & Theorems
	10/30/25	M7B: Polynomial Division & Theorems (continued)
Week 12	11/04/25	M7C: Graphing Radical Functions M7D: Graphing Exponential Functions
	11/06/25	M7D: Graphing Exponential Functions (continued) M7E: Graphing Logarithmic Functions
Week 13	11/11/25	M8A: Linear Applications M8B: Quadratic Applications
	11/13/25	M8B: Quadratic Applications (continued) M8C: Exponential Applications

Week 14	11/18/25	M8C: Exponential Applications (Continued) M8D: Systems (Matrix) Applications; Review
	11/20/25	**Exam 3**
Thanksgiving Break	11/25/25	**Thanksgiving Break - No classes!**
	11/27/25	
Week 15	12/02/25	Review
	12/04/25	Review
Week 16	***	**Comprehensive Final Exam** https://registrar.unt.edu/exams/final-exam-schedule/fall.html

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:
    o Prohibition of Discrimination, Harassment and Retaliation, Academic Integrity Policy, ADA Policy and Retention of Student Records
- Student Expectations and Preferences include:
    o 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:
    o Survivor Advocacy, Mental Health, Technical Assistance, Academic Support Services and Additional Student Support Services
- Communications include:
    o 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 individuals' 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.

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. Emergency Notifications and Procedures Policy (PDF) (https://policy.unt.edu/policy/06-049).