Math 1100.540: College Algebra

Instructor Contact Information

Name	Julie Thompson
Office Location	FRLD 366
Office Hours	MW 1:30-3:00PM
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If you have a general question about the course, please send me a **Canvas message** (preferred) or an email with **"MATH 1100.540" 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 Information

Course Title	College Algebra
Course Number	MATH 1100 Section 540
Class Meeting Time	**MoWe 11:00AM - 12:20PM** **Location: FRLD 400**
UGMT Course	**TuTh 9:30AM - 10:50AM** **Location: FRLD 346**
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 Structure	This is a 16-week course that meets face-to-face in a classroom two times per week (four including the UGMT section). We will treat this as a course that meets four days per week. The course will cover 8 modules, and you will be assessed by completing 5 exams, 2 quizzes, and a comprehensive final exam.
Course Outline	View the Course Calendar below for specific topics and dates.

Calculator Policy

Calculators are **not** allowed in this course. Occasionally, you may be asked to use a scientific calculator on your homework. However, there are **no calculators** allowed on any of our exams.

Course Technology & Skills

Minimum Technology Requirements	• Access to a Computer • Reliable internet access • Canvas Technical Requirements (https://clear.unt.edu/supported-technologies/canvas/requirements)
Computer Skills & Digital Literacy	• Using Canvas • Using email with attachments • Scanning documents and saving as PDF

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
Phone hours	Sunday: noon – midnight Monday-Thursday: 8am-midnight Friday: 8am-8pm Saturday: 9am-5pm
In Person	Sage Hall, Room 130
Walk-in Availability	8am – 9pm
Laptop Checkout	8am – 7pm
Canvas technical requirements	For additional support, visit **Canvas Technical Help** (https://community.canvaslms.com/docs/DOC-10554-4212710328)

Tutoring Support

Marvels Math Lab at UNT Frisco! Schedule TBD (I will post an announcement once I know)

Early Math Support (EMS) Lab

The Early Math Support (EMS) Lab is in **Sage 120A** and is fully staffed by current instructors who aim to create an encouraging environment for all students who are considered TSI Incomplete.

- Mondays and Wednesdays from 11AM to 4PM and Tuesdays and Thursdays from 1PM to 5PM

Math Lab

The Math Lab is in **Sage 130** and is a free drop-in tutoring lab for UNT students. No appointment needed! Our tutors are mathematics graduate students, and undergraduates with a passion for helping you reach your goals in your math class.

- Mondays through Thursdays from 10AM to 7PM and Fridays and Saturdays from 10AM to 2PM

Assessment

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

Activities – 5%
Attendance – 5%
Homework Worksheets – 10%
Modules 1 & 2 Exam– 10%
Module 3 Quiz – 5%
Module 4 Exam – 10%
Module 5 Exam – 10%
Module 6 Exam – 10%
Module 7 Exam – 10%
Module 8 Quiz – 5%
Final Exam – 20%

Course Grade

Your course grade is determined by your performance on the graded items. Unfortunately, there will be no opportunity for extra credit, nor will the grades be curved. Your grades will be posted in Canvas Grades.

Grades are based on mastery of the content. Letter grades are assigned as follows:

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

Activities

Student activities may be completed during class time and will require active participation, while some activities may be completed outside of class time. Activities may include time management, learning styles, group work, self-reflection writing prompts, etc.

Attendance

Attendance will be taken every class period and will be worth 5% of the course grade. The attendance grade will be determined by the number of absences. Every student will begin with an attendance grade of 100% and will be allowed 4 free absences that will NOT affect the attendance grade. After four unexcused absences, the attendance grade will decrease by 5 points. For example, if a student misses 7 days of class, then the student will receive an attendance grade of 85%. Students are expected to treat this course as a lecture class that meets **4** days per week. That means attendance of the UGMT section is required. Missing days that we meet for the UGMT course will affect your overall attendance grade.

Homework

Students will complete homework via ALEKS. Working through the material in ALEKS is essential for learning and developing the math skills that are the objectives of this course. Due dates as listed in ALEKS and Canvas and there will be **NO** late work accepted. At the end of the term, six (6) lowest grades will be dropped from the calculation of the homework average.

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). You will access your math course platform **via Canvas**. The course content (assignments, help tools, textbook, etc.) is delivered in Canvas. Register for 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.

Quizzes

There will be two (2) quizzes given during the semester. There are no retakes on quizzes. Quizzes may be given in the associated UGMT class. Please see the calendar for details

Exams

There will be five (5) exams given during the semester. There are no retakes on exams. Exams may be given in the associated UGMT class. Please see the calendar for details.

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.

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

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, textbooks, or ANY source of help during a test AND providing help as well.

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.

ADA Policy

The University of North Texas makes reasonable academic accommodation for students with disabilities. Students seeking reasonable accommodation must first register with the Office of Disability Access (ODA) to verify their eligibility. If a disability is verified, the ODA will provide you with a reasonable accommodation letter to be delivered to faculty to begin a private discussion regarding your specific needs in a course. You may request reasonable accommodations at any time; however, ODA notices of reasonable 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, refer to the Office of Disability Access website (https://studentaffairs.unt.edu/office-disability-access). You may also contact ODA by phone at (940) 565-4323.

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 five (5) exams during the semester. Keep a record of all your scores. Be sure to review your exam once it has been reviewed by the instructor and officially graded. Be sure to review your exam upon receiving it. Check your written exam grade with the grade posted online to ensure that they are the same. Each exam is 10% of the course grade.

Your final exam grade can replace your lowest midterm exam score at the end of the semester, up to 100%. However, if you miss an exam due to an unexcused absence, then a zero will be recorded for that exam grade and your final exam will replace that one zero, up to a maximum grade of 75%.

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, etc.
- Have only the exam, pencil(s), and eraser in your workspace during an 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

- **Early Exam**: If you have a known conflict with a scheduled exam date, you are highly encouraged to request to take your exam early. The request must be emailed to instructor 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 are unable to arrange to take an exam early and 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) , then student will need to make up missed exam within 2 business days of returning to campus.

- **Unexcused absence:** If you miss an exam due to an unexcused absence, then a zero will be recorded for that exam grade and your final exam will replace that one zero, up to a maximum grade of 75%. This allowance is for one (1) missed exam. Any additional missed exams will receive a grade of zero. 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 the due date. If an assignment is not completed and submitted by the due date, then unfortunately a grade of zero will be recorded.

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).*

Important Dates

Date	Importance of Date
Jan 12	Classes Begin
Jan 19	Martin Luther King Jr Holiday
Jan 24	Census Date
Apr 10	Last day for a student to drop a course with a W.
Apr 11	Beginning this date, a student who qualifies may request an Incomplete, with a grade of I.
Mar 9 – 15	Spring Break
Apr 29 – 30	Pre-Finals Days
Apr 30	Last Regular Class Meeting
May 1	Reading Day (no classes)

Emergency Notification and Procedures

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).

Changes to Syllabus

Changes made to the syllabus will be posted as an Announcement in Canvas.

Weekly Modules/Tentative Schedule

Week	Date	Topic
Week 1	1/13/2026	Welcome & Syllabus M1A Order of operations (GEMS) & Fractions
	1/14/2026	M1A Order of operations (GEMS) & Fractions (continued) M1B Radical Expressions & Rationalizing Radicals
	1/15/2026	M1B Radical Expressions & Rationalizing Radicals (continued) M1C Solving Linear Equations & Inequalities
	1/16/2026	M1C Solving Linear Equations & Inequalities (continued) M1D Graphing Linear Equations
Week 2	**1/20/2026**	**MLK Observance - No Classes**
	1/21/2026	M1D Graphing Linear Equations (continued) M1E Slope formula & Equations of lines
	1/22/2026	M1E Slope formula & Equations of lines (continued) M2A Intro to Functions
	1/23/2026	M2B Domain/Range of Functions
Week 3	1/27/2026	M2B Domain/Range of Functions (continued) M2C Distance & Midpoint
	1/28/2026	M2D Piecewise functions
	1/29/2026	M1&M2 Review
	1/30/2026	**M 1 & 2 Exam**

Week 4	2/3/2026	M3A Evaluate functions M3B Rate of change & difference quotient
	2/4/2026	M3B Rate of change & difference quotient (continued) M3C Algebra of functions
	2/5/2026	M3D Composition of Functions
	2/6/2026	M3E Inverse Functions
Week 5	2/10/2026	M3 Review
	2/11/2026	**M3 Quiz**
	2/12/2026	M4A Absolute value Equations & Inequalities
	2/13/2026	M4B Complex Numbers
Week 6	2/17/2026	M4C Factoring Review
	2/18/2026	M4D Solve Equations & Inequalities by Factoring
	2/19/2026	M4D Solve Equations & Inequalities by Factoring (Continued)
	2/20/2026	M4E: Solve Equations using square root property, completing the square & quadratic formula
Week 7	2/24/2026	M4E: Solve Equations using square root property, completing the square & quadratic formula (continued)
	2/25/2026	M4 Review
	2/26/2026	**M4 Exam**
	2/27/2026	M5A Solve Rational Equations & Inequalities
Week 8	3/3/2026	M5B Solve Radical Equations
	3/4/2026	M5C Logarithms
	3/5/2026	M5D Solve Exponential & Log Equations
	3/6/2026	M5D Solve Exponential & Log Equations (continued)
Spring Break! **No Classes**	**3/10/2026**	**Spring Break!** **No Classes**
	3/11/2026	
	3/12/2026	
	3/13/2026	
Week 9	3/17/2026	M5 Review
	3/18/2026	**M5 Exam**
	3/19/2026	M6A Transformations
	3/20/2026	M6B Symmetry & Even and Odd functions
Week 10	3/24/2026	M6C Graphing Quadratic functions
	3/25/2026	M6D Graphing Rational functions
	3/26/2026	M6D Graphing Rational functions (continued)
	3/27/2026	M6 Review

Week 11	**3/31/2026**	**M6 Exam**
	4/1/2026	M7A Graphing Polynomial Functions
	4/2/2026	M7A Graphing Polynomial Functions (continued) M7B Polynomial Division & Theorems
	4/3/2026	M7B Polynomial Division & Theorems (continued)
Week 12	4/7/2026	M7B Polynomial Division & Theorems (continued) M7C Graphing Radical Functions
	4/8/2026	M7D Graphing Exponential Functions M7E Graphing Logarithmic Functions
	4/9/2026	M7E Graphing Logarithmic Functions (continued)
	4/10/2026	M7E Graphing Logarithmic Functions (continued)
Week 13	4/14/2026	M7 Review
	4/15/2026	**M7 Exam**
	4/16/2026	M8A Linear Applications M8B Quadratic Applications
	4/17/2026	M8B Quadratic Applications (continued) M8C Exponential Applications
Week 14	4/21/2026	M8C Exponential Applications (continued) M8D System (Matrix) Applications
	4/22/2026	M8D System (Matrix) Applications (continued)
	4/23/2026	M8D System (Matrix) Applications (continued)
	4/24/2026	M8 Review
Week 15	4/28/2026	M8 Review
	4/29/2026	**M8 Quiz**
	4/30/2026	Final Exam Review
	05/01/2026	Final Exam Review
Week 16	***05/06/2026 most likely***	**Comprehensive Final Exam 9:00-11:00AM (Will update as soon as the final exam schedule is published)**

The final exam schedule for UNT Frisco campus will be published soon at the following link: https://registrar.unt.edu/exams/final-exam-schedule/spring.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:
  - 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

Drop/Withdrawal Policy

If the student is unable to complete this course, it is their responsibility to formally withdraw from the course. You can find more details about dropping the course at this link.

If the student does not properly withdraw from the course but stops attending, the student will receive a performance grade, usually an F.

If you are considering dropping, it is strongly recommended that you discuss the matter with me as soon as possible.

Changes to the University's policy may affect this. Please contact the Registrar with further questions.

Incomplete

Beginning 04/11, a student that qualifies may request a grade of "I", incomplete. An "I" is a non-punitive grade given only if ALL three of the following criteria are satisfied. They are:

- The student is passing the course
- The student has a justifiable (and verifiable) reason why the work cannot be completed as scheduled; and

The student arranges with the instructor to complete the work within one academic year.

Changes to the University's policy may affect this. Please contact the Registrar with further questions.

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.