

MATH 1650 Sec. 110
Pre-Calculus – Fall 2026
MWF 9:05am-9:55am Room: WH 216

Instructor Contact

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Communication:

1. **Use the Canvas Inbox.** If you email me, **I only respond to UNT student email addresses.**
2. Your communication with me and your classmates is expected to be in line with [UNT's General Online Communication Guidelines](#).
3. Email is the best way to contact me. While I try to reply as soon as possible to all emails, please allow me **two (2) business days before expecting a response.**

Office Hours: Monday: 10:00am-11:50am **or** by appointment.

If the above office hours are not available to you, please send me an email (**using the Canvas Inbox**) to set up an appointment outside of office hour times. Office hours are for help with specific problems or for answering questions about the course or its content, they are **NOT** for teaching the course material.

Course Details

Textbook/WebAssign: The textbook is Abramson, J. *Precalculus 2e*. OpenStax. You can find it here: <https://oer.xyzhomework.com/books/precalculus/precalculus--ebook.pdf>

Required Text/Access to XYZ Homework

XYZ Homework is an online course delivery platform accessed directly through Canvas. Access to XYZ Homework includes all online homework assignments, the textbook, and additional learning resources. Use the link in Canvas to register immediately. You must **register in XYZ Homework by the 2nd class day** of the semester. Find the course **MATH 1650.110- Fall 2026**, the course ID **55033**, **leave the enrollment key blank.**

XYZ Homework grants a no-cost trial 15-day access. You must purchase your access before the temporary access expires. If you do not make the purchase before the trial period ends, you may lose credit for all work previously completed.

Course Description: (5 hours) A preparatory course for calculus: trigonometric functions, their graphs and applications; sequences and series; exponential and logarithmic functions

and their graphs; graphs of polynomial and rational functions, general discussion of functions and their properties.

Course Prerequisites or Other Restrictions:

- Officially, the prerequisite is a grade of C or higher in [MATH 1100](#).
- A willingness to put in several hours of work each week to absorb each the material in each module. In math courses, especially this one, the content will build upon itself making it very difficult to catch up if you fall behind.
- Beginning in Spring 2027, students who earn a C in Math 1650 will be required to enroll in Math 1810, while only students who earn an A or B will be eligible to enroll in Math 1710.

Course Objectives:

Upon successful completion of this course, learners will be able to:

1. Apply properties of functions to graphing and modeling.
2. Solve equations involving algebraic and transcendental functions.
3. Use graphing techniques to graph algebraic and transcendental functions, without using technology.
4. Identify and determine exact and approximate trigonometric function values in both radians and degrees.
5. Prove trigonometric identities.
6. Solve right and oblique triangles.
7. Define polar coordinates and graph polar equations.
8. Apply the terminology of sequences and series to determine terms and sums

Grade Policy

Homework (XYZ Homework) – 10%

Quizzes – 10%

Written Assignments – 5%

Recitation Participation - 5%

Midterm Exams – 56%

Final Exam – 14%

- A: 90-100% (Outstanding, excellent work. The student performs well above the minimum criteria.)
- B: 80-89% (Good, impressive work. The student performs above the minimum criteria.)
- C: 70-79% (Solid, college-level work. The student meets the criteria of the assignment.)
- D: 60-69% (Below average work. The student fails to meet the minimum criteria.)
- F: 59 and below (Sub-par work. The student fails to complete the assignment.)

Your exam grades, quiz grades, and written assignment grades will be posted in Canvas, your XYZ Homework grades in the XYZ Homework gradebook. Late work will not be accepted in this course regardless of the reason. There will be no curves.

Calculator Policy: Calculators will NOT be permitted for quizzes and tests. Calculators may be used on all homework assignments. A TI 83, TI 83Plus, TI 84 or equivalent is recommended, but calculators with CAS capabilities (e.g., TI-89, TI-92, TI NSpire) are not permitted. There are several free online calculators you can use while working on homework assignments as well (e.g., GeoGebra, Wolfram Alpha).

Academic Dishonesty

Cheating will not be tolerated. Any student found cheating will receive no credit on the assignment and a report will be filed with the office of academic integrity.

Attendance: Attendance is important and required. Students are expected to attend class meetings regularly. Students are responsible for all information given in class, regardless of his/her attendance. The instructor will NOT repeat whole lectures or offer personal lessons in office hours or email.

XYZ Homework Online Homework

The online homework is found on the XYZ Homework website (link provided on Canvas). NO LATE HOMEWORK will be accepted, regardless of reason.

Each week there will be homework on XYZ Homework over the sections covered that week. The homework will be due by 11:59 PM on Tuesday of the following week. For instance, in week 1 we will certainly cover module 1.1. Thus, the homework on this section will need to be completed by Tuesday night during week 2. This is to give ample time and flexibility should the unexpected happen, but ideally you should be completing the homework as you go through the module during the week. To provide an incentive, you will receive a 5% bonus for any work on the homework completed more than 48 hrs before the deadline. Keep in mind you will have to check XYZ Homework frequently to keep up with the due dates, there will not be reminders in Canvas. Your lowest two (2) online homework scores will be dropped.

On the homework you will generally have 3 attempts for each version of the question, and 99 question versions, with some possible exceptions (e.g. multiple choice or true false questions).

Written Assignments: You will have several written assignments. These assignments require you to show, in your own handwriting, the mathematical process for the problems. These written assignments must follow the following conditions:

- Must be completed in your own legible writing;
- Written Assignments should be project-level quality: well organized, written neatly, and mathematically correct;
- No credit for correct answers without correct work;

A **zero** will be assigned to any submission that does not meet ALL of the submission requirements. No late homework will be accepted for any reason whatsoever. At the end of the term, your **two (2) lowest written homework scores will be dropped.**

Quizzes: **Quizzes will take place most weeks in recitation.** The problems on the quiz will come directly from homework assignments, either written or XYZ Homework. Students must be present in class to complete quizzes and **No make up quizzes will be given.** To account for not allowing make up quizzes, **the lowest two (2) quiz scores will be dropped.**

Midterm Exams: You will have four exams and a comprehensive final exam. Actual exams dates and content will be announced in class, usually at least two weeks before the exam date. The tentative exam dates are **Sept 9, Oct 5, Nov 2, and Nov 30.**

Final Exams: Monday, December 7, 8:00am - 10:00am in WH 216

<http://registrar.unt.edu/exams/final-exam-schedule/fall>

Examination Policy

I structure my course to balance the time necessary for students to learn the necessary content, with the need to have regular midterm exams. As such, students are expected to take the exams on the given day or early. In the event of a schedule conflict with a university function, dental/physician's appointment, wedding, formal, etc., the student should make every effort to take the test early. In the event that an unavoidable conflict/illness comes up, reach out to me as soon as you can. **If a student does not take a scheduled exam, a zero may be recorded for that exam. If your final exam score is higher than one of your midterm exam scores, then the lowest midterm exam grade will be replaced with final exam grade.** If you receive a zero for academic dishonesty on an exam, the final exam score will **NOT** replace that zero.

Regarding Policy: (One-Week Limit): If you believe your homework or exam has been graded incorrectly, you must **email me** a clear and legible explanation of what you would like regraded and why, along with your exam or assignment, **within one week** of the homework grade being posted or the exam being returned.

Bonus Points: Up to **5 bonus points** may be added to your final grade.

- **Class Attendance (3 points):** Attendance is not required, and there is no penalty for missing class. However, students who attend regularly are eligible to earn up to 3 bonus points. If earning all available extra credit this semester is important to you, you should plan to attend every class.
- **Student Perceptions of Teaching (SPOT) Survey (2 points):** You may earn 2 bonus points by completing the SPOT survey at the end of the semester. This brief survey gives you an opportunity to provide feedback on the course and instruction. I value student feedback and use it to continually improve my teaching.

Changes to Syllabus: I reserve the right to amend, append, or otherwise make changes to this syllabus, should the need arise. Any changes will be posted as an Announcement in Canvas.

Getting Help

Additional help is available through:

UNT Math Lab

The Math Lab is a walk-in tutoring lab that provides free math tutoring for students enrolled in an undergraduate College of Science course at UNT. The Math Lab is staffed by mathematics graduate students and undergraduate students with a passion for math. Math Lab tutors answer specific questions, check that you are approaching a concept correctly, work with and offer alternative problems, and help clarify concepts. Check out all that the Math Lab has to offer by stopping by at Sage Hall 130 or checking it out online at [UNT Math Lab](#).

UNT Tutoring Services

The Learning Center offer a variety of tutoring services designed to help you succeed at UNT. The tutors there answer specific questions, check that you are approaching a concept correctly, work with and offer alternative problems, and help clarify concepts. Please note, The Learning Center's Tutoring Services will not work on homework or assignment problems for you, check assignment answers, assist with take-home quizzes or essays, or repeat class lectures. Schedule an in-person or online appointment with a Lead Tutor who will help you navigate course content. For more information check [UNT Tutoring Services](#).

Technical Assistance:

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 Student Help Desk](http://www.unt.edu/helpdesk/index.htm) (<http://www.unt.edu/helpdesk/index.htm>)

Email: helpdesk@unt.edu Phone: 940-565-2324 In Person: Sage Hall, Room 130

Canvas Technical Requirements: [Canvas Technical Requirements](https://clear.unt.edu/supported-technologies/canvas/requirements)
(<https://clear.unt.edu/supported-technologies/canvas/requirements>)

Additional Canvas Support: [Canvas Technical Help](https://community.canvaslms.com/docs/DOC-10554-4212710328)
(<https://community.canvaslms.com/docs/DOC-10554-4212710328>)

Academic Support Services:

- [UNT Math Lab](https://learningcenter.unt.edu/math-lab) (<https://learningcenter.unt.edu/math-lab>)
- [UNT Learning Center](https://learningcenter.unt.edu) (<https://learningcenter.unt.edu>)
- [Academic Resource Center](https://clear.unt.edu/canvas/student-resources) (<https://clear.unt.edu/canvas/student-resources>)
- [Academic Success Center](https://success.unt.edu/asc) (<https://success.unt.edu/asc>)
- [UNT Libraries](https://library.unt.edu/) (<https://library.unt.edu/>)
- [Writing Lab](http://writingcenter.unt.edu/) (<http://writingcenter.unt.edu/>)

Student Support Services: UNT provides mental health resources to students to help ensure there are numerous outlets to turn to that wholeheartedly care for and are there for students in need, regardless of the nature of an issue or its severity. Listed below are several resources on campus that can support your academic success and mental well-being:

- [Student Health and Wellness Center](https://studentaffairs.unt.edu/student-health-and-wellness-center)
(<https://studentaffairs.unt.edu/student-health-and-wellness-center>)
- [Counseling and Testing Services](https://studentaffairs.unt.edu/counseling-and-testing-services)(<https://studentaffairs.unt.edu/counseling-and-testing-services>)
- [UNT Care Team](https://studentaffairs.unt.edu/care) (<https://studentaffairs.unt.edu/care>)
- [UNT Psychiatric Services](https://studentaffairs.unt.edu/counseling-and-testing-services/services/individual-counseling)
- [Individual Counseling](https://studentaffairs.unt.edu/counseling-and-testing-services/services/individual-counseling)
(<https://studentaffairs.unt.edu/counseling-and-testing-services/services/individual-counseling>)

Other student support services offered by UNT include:

- [Registrar](https://registrar.unt.edu/registration) (<https://registrar.unt.edu/registration>)
- [Financial Aid](https://financialaid.unt.edu/) (<https://financialaid.unt.edu/>)
- [Student Legal Services](https://studentaffairs.unt.edu/student-legal-services) (<https://studentaffairs.unt.edu/student-legal-services>)
- [Career Center](https://studentaffairs.unt.edu/career-center) (<https://studentaffairs.unt.edu/career-center>)
- [Multicultural Center](https://edo.unt.edu/multicultural-center) (<https://edo.unt.edu/multicultural-center>)
- [Counseling and Testing Services](https://studentaffairs.unt.edu/counseling-and-testing-services)
(<https://studentaffairs.unt.edu/counseling-and-testing-services>)
- [Pride Alliance](https://edo.unt.edu/pridealliance) (<https://edo.unt.edu/pridealliance>)
- [UNT Food Pantry](https://deanofstudents.unt.edu/resources/food-pantry) (<https://deanofstudents.unt.edu/resources/food-pantry>)

UNT Policies

Academic Integrity Standards and Consequences :

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.

Cheating on tests, quizzes or final exams is a serious breach of academic standards and will be punished severely and generally result in a student failing the course. All work done on exams and quizzes must represent only the student's own work, unless otherwise stated in the directions. 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. See [Academic Integrity](#) for details on academic integrity at UNT.

Acceptable Student Behavior: Student behavior that interferes with an instructor's ability to conduct a class or other students' opportunity to learn is unacceptable and disruptive and will not be tolerated in any instructional forum at UNT. Students engaging in unacceptable behavior will be directed to leave the classroom and the instructor may refer the student to the Dean of Students to consider whether the student's conduct violated the Code of Student Conduct. The University's expectations for student conduct apply to all instructional forums, including University and electronic classroom, labs, discussion groups, field trips, etc. Visit UNT's [Code of Student Conduct](https://deanofstudents.unt.edu/conduct) (<https://deanofstudents.unt.edu/conduct>) to learn more.

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 accommodation for every semester and must meet with each faculty member prior to implementation in each class. For additional information see the ODA website at disability.unt.edu.

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 the UNT Learning Management System (LMS) for contingency plans for covering course materials.

[Important Notice for F-1 Students taking Distance Education Courses](#)

Federal Regulation

To read detailed Immigration and Customs Enforcement regulations for F-1 students taking online courses, please go to the [Electronic Code of Federal Regulations website](http://www.ecfr.gov/)(<http://www.ecfr.gov/>). The specific portion concerning distance education courses is located at Title 8 CFR 214.2 Paragraph (f)(6)(i)(G).

The paragraph reads:

(G) For F-1 students enrolled in classes for credit or classroom hours, no more than the equivalent of one class or three credits per session, term, semester, trimester, or quarter may be counted toward the full course of study requirement if the class is taken on-line or through distance education and does not require the student's physical attendance for classes, examination or other purposes integral to completion of the class. An on-line or distance education course is a course that is offered principally through the use of television, audio, or computer transmission including open broadcast, closed circuit, cable, microwave, or satellite, audio conferencing, or computer conferencing. If the F-1 student's course of study is in a language study program, no on-line or distance education classes may be considered to count toward a student's full course of study requirement.

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.

Student Verification UNT takes measures to protect the integrity of educational credentials awarded to students enrolled in distance education courses by verifying student identity, protecting student privacy, and notifying students of any special meeting times/locations or additional charges associated with student identity verification in distance education courses. See ([UNT Policy 07-002 Student Identity Verification, Privacy, and Notification and Distance Education Courses](https://policy.unt.edu/policy/07-002) (<https://policy.unt.edu/policy/07-002>)).