

MATH 1650 Sec. 500, 501, and 505

Pre-Calculus - Fall 2020

Instructor: Katheryn Carmichael

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Office Hours: Monday and Wednesday 2:00-3:00 pm; Tuesday and Thursday 12:00-1:00pm; and other times by appointment.

Final Exam: TBD

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

Textbook and WebAssign: (Required) WebAssign access - Textbook is included online in WebAssign (*Precalculus*, 7th edition, by J. Stewart, L. Redlin and S. Watson.). The code for WebAssign may be purchased directly online. **Note that you must register for WebAssign by the second class day of the semester.**

You may use the no-cost temporary 14-day access, however you must purchase your access before the temporary access expires. If you do not purchase WebAssign by the end of the trial period, 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. MATH 1650 covers approximately the same material as MATH 1600 and 1610 together. Students who already have credit for both MATH 1600 and MATH 1610 may not receive credit for MATH 1650. Satisfies the Mathematics requirement of the University Core Curriculum.

Course Objectives: Upon successful completion of this course, the student will be able to:

1. Demonstrate and apply knowledge of properties of functions;
2. Recognize and apply algebraic and transcendental functions and solve related equations;
3. Apply graphing techniques to algebraic and transcendental functions;
4. Compute the values of trigonometric functions for key angles in all quadrants of the unit circle measured in both radians and degrees;
5. Prove trigonometric identities;
6. Solve right and oblique triangles.

Technical Support:

UIT Student Helpdesk: helpdesk@unt.edu; Phone: 940-565-2324; Office: Sage Hall 130

WebAssign Support: Call 800-955-8275

Prerequisites: MATH 1100

Technology Requirements: Computer (Canvas, WebAssign, and LockDown Browser compatible) with webcam; internet access, high-speed for online exams with lockdown browser and monitor; scanner; printer; TI-84 calculator or equivalent; Adobe Acrobat Reader (free).

Technical Skill Requirements: Navigate Canvas; navigate WebAssign; print documents (Word, Excel, PDF); post to a discussion board; create PDF; scan and upload PDF in Canvas; prepare computer for webcam testing, and access and complete online assignments.

Tutoring Services: UNT Math Tutoring Lab is located in Sage Hall 130. See Math Tutor Lab Website for hours and services provided; The Learning Center (Learning Center Website) offers many resources, including online tutoring and academic coaching.

Netiquette: Familiarize yourself with Albion’s “The Core Rules of Netiquette” and adhere to the rules.

Grade Policy:

Midterm Exam Average	60%
Online Homework	8%
Written Homework	7%
Weekly Quiz Average	8%
Engagement Assignments	2%
Final Exam	15%

The grade distributions will be no more harsh than 90% - 100% is an A, 80% - less than 90% is a B, 70% - less than 80% is a C, 60% - less than 70% is a D, less than 60% is an F. **There will be no curves.**

Exams: The course has four module exams. One for each module of the course. Precalculus is sequential and progressive. While each module exam will focus on the new content mathematics is cumulative, so skills and other related content from previous modules will be assumed for subsequent modules.

The exams are administered online through Canvas with LockDown Browser and Respondus Monitor. The **tentative** exam dates are

Module 1 Exam (Function Fundamentals)	Sept. 18
Module 2 Exam (Functions, Polynomials, Rationals)	Oct. 9
Module 3 Exam (Trig, Exponential and Log Functions)	Oct. 30
Module 4 Exam (Analytic Trig)	Nov. 20
Module 5 (Polar Form, Sequences)	Appears only on the final exam.

NO MAKE-UP EXAMS WILL BE GIVEN. In the event of a documentable emergency or illness, contact your instructor immediately (before the scheduled exam when possible). An exam may be taken prior to the scheduled date. You must request for this accommodation via email at least one week prior to day you wish to take the early exam.

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

Submission Requirements:

- 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;
- Scanned as one PDF with a page scanned for each page of the project;
- Correct order, right side up;
- Submission must be one (1) PDF in Canvas.

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.

WebAssign Online Homework: Your WebAssign homework is found on the WebAssign website (link provided on Canvas). **NO LATE HOMEWORK** will be accepted, regardless of reason. The online assignments will always be due at 11:59pm on the due date, not midnight. If the due times conflict with your other classes, work ahead. Typically, you will have at least one WebAssign homework each day. At the end of the term, your three lowest WebAssign homework grades will be dropped.

Quizzes: Every Friday, there will be a timed quiz over the material for that week. Any trig section previously covered may appear on the weekly quiz. There are no make-up quizzes. At the end of the semester, one (1) lowest quiz grade will be dropped.

Engagement Assignments: This portion of your grade is determined by your performance on a variety of types of assignments:

- Class Orientation Quiz
- Student Information Form
- Discussion Assignments

Final Grade: Students may access their course grades online through my.unt.edu. Grades posted in WebAssign are for your record-keeping purposes only. Your final course grade is determined by the criteria explicitly stated on this syllabus.

Graphing Calculator: TI 83, TI 83Plus, TI 84 or equivalent is recommended, calculators with CAS capabilities (e.g., TI-89, TI-92, TI NSpire) are not permitted. You should at least have a scientific calculator capable of evaluating exponents, logarithms, and trigonometric functions. Be aware that calculators will not be permitted for most quizzes and tests.

Attendance: In lieu of physical attendance in class, regular and consistent virtual attendance is expected. That means you must access Canvas every day. You are responsible for all information in Canvas or sent to your UNT email account.

Academic Dishonesty: Cheating on exams or on quizzes 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. See <https://policy.unt.edu/policy/06-003> for details on academic integrity at UNT.

POLICIES and COURSE INFORMATION: Academic Integrity Academic dishonesty is a serious breach of academic standards and will have severe consequences. Generally, the student will receive an F for the course. For more information, see: Academic Integrity The LockDown Browser & Respondus Monitor system recognizes and flags behavior associated with academic dishonesty. Please be advised that your testing is recorded. 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 see the Office of Disability Accommodation website at <http://www.unt.edu/oda>. You may also contact them by phone at 940.565.4323.

Extra Help: Do not hesitate to attend office hours or by appointment to discuss a homework problem or any aspect of the course. You also may want to consider the UNT MathLab (SAGE 130). Information is available at: <https://learningcenter.unt.edu/math-lab>

Additional help can be found through the UNT Learning Center: <http://learningcenter.unt.edu/>, select the tutoring button located near the top of the page for different tutoring options.

Make-up Policy: This online course has a NO MAKE-UP, NO DO-OVER, and NO EXTENSION POLICY. That

means no make-up for any assignment, including exams. Both Canvas and WebAssign will close at 11:59PM, not midnight. Synchronize your watch with the online systems to ensure that you do not miss a due date by a few seconds. You may take any exam prior to the scheduled date. To do so, message me in Canvas and make you request no less than one week prior to you requested earlier date. In the event of a schedule conflict, (or even a potential schedule conflict) take your exam early. If you do not take and submit a scheduled exam, you will receive a zero for that exam and a report will be filed with the Early Alert office. You must contact your instructor within 24 hours of the scheduled exam date for any personal emergencies preventing you from completing the exam (i.e., hospitalization, NOT a broken computer).

Disability Accommodations: The University of North Texas 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 you with an accommodation letter to be delivered to faculty to begin a private discussion regarding your specific needs in a course. You 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 Office of Disability Accommodation website at <http://www.unt.edu/oda>. You may also contact them by phone at 940-565-4323.

Important Dates: Students are responsible for meeting all university deadlines (registration, fee payment, prerequisite verification, drop deadlines, etc). See the printed Schedule of Classes and/or University Catalog for policies and dates.

Note: This syllabus is subject to change as the instructor deems necessary. Any/all changes will be announced on Canvas. It is the responsibility of the student to be informed of these changes.