

# MATH 1180.700: College Math for Business, Economics, and Related Fields

## Syllabus

### Instructor Contact

**Name:** Marc Grether

**Pronouns:** He/Him

**Office Location:** GAB 416

**Tutoring/Office Hours:** TBD. I am also often available for appointments at other times. Email me to schedule times.

**Email:** [grether@unt.edu](mailto:grether@unt.edu) (Note – my email does not have a “my” in it).

**Communication Expectations:** Please email me to get in touch outside of class. I typically respond in one (1) business day, during business hours. A message received after business hours is considered received the next business day. The best way to reach me is via email. I will work hard to respond as quickly as possible to emails, but it may occasionally take me up to a business day to respond. Though I might reply to an email late at night or on the weekend, you should not expect quick responses outside of the hours of 8 AM – 5 PM.

### Course Description

Topics from algebra (linear equations, quadratic equations, functions and graphs, inequalities), mathematics of finance (simple and compound interest, annuities), linear programming, matrices, systems of linear equations, applications to management, economics and business.

### Course Structure

This course is takes place 100% online in [Canvas](#). Information on how to be successful in a remote learning environment can be found at [UNT Online](https://online.unt.edu/learn) (<https://online.unt.edu/learn>). This course is an 8-week course structured with 8 modules. Each module has multiple lessons with assignments and assessments due that week. This course includes the same content as a 16-week course; expect to spend at least twice as much time each week as you would in a 16-week course.

### Course Prerequisites or Other Restrictions

**Prerequisite(s):** Two years of high school algebra and one year of geometry, and consent of department. Students who feel they acquired solid algebra skills in high school are strongly encouraged to take the mathematics placement exam to see if they may begin in [MATH 1190](#) instead. A grade C or better in MATH 1180 is required when MATH 1180 is a prerequisite for other mathematics courses.

## Course Learning Objectives

- Students will demonstrate an ability to recognize and solve problems involving financial mathematics, including simple interest, compound interest and present and future value of annuities
- Students will demonstrate an ability to understand graphing of equations, operations with lines, solve and interpret solutions of systems of linear equations and linear inequalities, and interpret solutions of standard maximization problems.
- Students will demonstrate skill at using tools from algebra. Students will demonstrate an ability to manipulate, solve, graph, and work with several types of functions.
- Students will demonstrate skill at using tools from probability, including counting, using conditional probability and finding expected values.
- Students will demonstrate skill at using exponential rules, factoring, function composition, interpreting results from rational functions and making and interpreting sign charts

## Required Course Materials

### Knewton Alta

Knewton is the required online adaptive mastery-based learning software. Most of your homework assignments are Knewton. You will also have some homework assignments directly in Canvas.

You will have to purchase access to Knewton. However, you can continue with your previously purchased Knewton access if you purchased the 2-year access for Math 1180 or Math 1190 in the last two years.

Knewton offers a 2-week trial access to ensure that all students have access to course materials the first day of class. You may purchase Knewton access at [UNT Barnes and Noble](#), directly within Knewton, or other sellers. Read the Homework section in Canvas for more information about your homework. You will not need a Knerd link because Knewton assignments are accessed directly in Canvas.

### Calculator

Many calculators are sufficient for the exams in this class. Acceptable options include the: TI-30XIIS, TI-36, TI-83 or TI-84 (or similar Casio, other manufacturer's calculators).

Utilities with alphanumeric/CAS capabilities or have the ability to connect to the internet are NOT acceptable. Examples include the: TI-Nspire, TI 89, TI 92, and smartphones and smart watches.

### Textbook

*No textbook is required.*

## Technical Requirements & Skills

### Minimum Technology Requirements and Require Skills

- A computer with speakers and webcam
- Reliable internet to access Canvas and view online lecture videos
- A calculator (see Calculator Policy)
- Ability to download, install, and run software
- Microphone for Zoom office hours and online exam reviews
- Printer, not necessary but could be helpful
- Proficiency in using LockDown Browser and Respondus Monitor with a webcam

### Technical Skills & Digital Literacy

- Navigate Canvas & Knewton
- Complete assignments in Canvas and Knewton (See Getting Started with Knewton)
- Communicate with email
- Download and install necessary software
- Create a single multi-page PDF and upload to Canvas

Additional details are in Canvas on the Online Course Technical Requirements & Skills page.

### Course Evaluation

Evaluation components include homework, engagement tasks, midterm exams, and the final exam.

Engagement – 10%

Homework – 21%

Average of Midterm Exams – 49%

Final Exam – 20%

### Grade Assignment

A: [90%, ); B: [80%, 90%); C: [70%, 80%); D: [60%, 70%); F: [0%, 60%).

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

### Course Grade Policies

#### Homework

The online homework is worth 21% of your overall course grade. Each assignment is equally weighted. Most homework assignments are Knewton; some will be directly in Canvas. Note: Assignments directly written in Canvas are always called “quizzes” by Canvas, but there is no quiz portion of this class. The Weekly wrapups are included in the Homework portion of the grade.

Homework assignments, but not Engagement or Exams, directly in Canvas will be given two attempts with the higher score counting for you.

#### What is Knewton?

Knewton is a mastery-based adaptive software designed to determine your ability to complete course assignments. You will proceed through Knewton more quickly if you study and review your notes before starting the assignments. For best results, read through “Getting Started with Knewton” located in Canvas before your first assignment.

#### Why Do Homework?

A purpose of homework is to provide you with sufficient opportunities to practice, learn, and retain new information and skills. To that end, you will have Knewton and other homework assignments each week. Knewton is adaptive and mastery based. Mastery-based means that the software will provide each student with the sufficient number of questions to determine whether you have mastered the learning objectives. The student who has prepared well before the assignment may have very short assignments, while a less prepared student may have more questions on each assignment.

Again, the more you prepare before starting to attempt the exercises, the less work you will have. For more tips on how to get the most out of the homework assignments, carefully read the “Getting Started with Knewton” information.

#### Get the Most Out of Homework

- Have a dedicated notebook for your math homework. Carefully write out your work, especially noting the questions with which you struggled. Your notebook should form a substantial part of your review material for the exams.
- Homework is one piece of your learning process in this course, but successful completion of the homework assignments is not sufficient preparation for exams. You must be able to work the exercises on your own, without any aids on exams.

#### Where is Knewton?

To access Knewton, select a Knewton assignment in Canvas.

#### When are Knewton Homework Assignments Due?

Assignment due dates are listed on the calendar and in Canvas. Knewton assignments are always due at 11:59 PM Central Time. To successfully complete the assignments, you must carefully manage your time. I recommend that you plan to complete them well ahead of the due date.

Late homework is ~~not~~ rarely accepted. If you run into an issue, please let me know with as much lead time as possible. Having said that – it is normal for ‘life’ to happen. Try to avoid problems by getting ahead. At the end of the term, two (2) lowest grades will be dropped from the calculation of the homework average. In Canvas, the two dropped grades will not be correctly calculated until the very end of the semester.

## Midterm Exams

### Exam Structure

The weekly exams will vary in length. The exams will consist of different questions types including multiple-choice, numeric and/or symbolic inputs, as well as detailed “work-out” responses.

You are permitted pen or pencil, blank sheets of paper, and an approved calculator during the exam. I will provide you with a list of formulas and/or rules, if any, that will be included on your exams.

### Exam Content and Dates

There will seven weekly exams covering the content in the course. Each midterm exam is worth 7% of your overall grade for 49% of the overall grade. The exams will vary in length and will be made up of different types of questions including multiple choice, numeric input, and write out your answers.

On certain problems, I typically provide a formula sheet in face-to-face classes. On all of the possibly relevant problems, I will include the same formula sheet(s) within the exam. You will not be allowed to include your own a formula sheet when taking your exams. All you can use are writing implements (e.g. pencil), blank sheets of scratch paper and an approved calculator. The formula sheets will be available in the Weekly Wrapups for you to see and use which will be directly before the exams.

Midterm exams are specific to the content of that Unit. The exams are located in the Module they cover. They are administered online with LockDown Browser and Respondus Monitor with a webcam.

Each midterm exam will have a 60 minute time limit. Each exam will be available at least one week before the due date and is available until 11:59 PM (a minute before midnight Central time) on the day of the exam which will be a Monday (or Tuesday if Monday is a holiday). Be sure to plan your time so that the exam will be completed before the time it is due. That is, if you start the exam at 11:45PM, then you will only have 14 minutes to complete the exam.

### Final Exam

The final exam is on **Friday, October 13th**, comprehensive, required, and is worth 20% of the course grade. The format of the final exam will be the same as the format of the midterm exams.

### Engagement

Engagement tasks consist of a variety of assignments including introduction/ orientation assignments and discussion posts. The discussion assignments are designed to keep you connected with your classmates. This graded portion of your course is worth 10% of the grade overall.

## Recommended Steps to Succeed

Learning math requires a great deal of time and honest effort along with regular and consistent work.

- After class review your notes. If you have questions, ask immediately.
- Actively read through all recommended readings.
- Use the time you spend on your Knewton assignments to learn the material rather than just getting through the homework as fast as possible.
- Complete the Exam Reviews prior to each exam.
- Form a study group with your classmates. Create online groups.
- Make use of the tutoring options available to you: the [Math Lab](#), the [Learning Center](#), and your instructor's tutoring hours.
- The [Learning Center](#) offers several tutoring options: Drop-In Tutoring, One-on-One Tutoring, Group Tutoring and Online Tutoring.
- Work on the assignments consistently well ahead of due date. Waiting until the last minute is a horrible idea.
- Math is not a spectator sport. You must try the problems, finish problems, ask questions, correct your mistakes, put concepts in your own words, and practice, practice, practice. You learn math by doing, not by watching others do math.
- Contact your instructor immediately if you are having problems.

## Course Time Requirement

The average college student in a 16-week course is expected to spend three hours per week for each one hour of class working on the course to be able to successfully learn the content. If you are an “average” college-level learner, you should spend about nine hours per week to successfully complete this course – but for an 8-week course, allow double that. That is, about 18 hours per week. As this is an average, many students require more than this. If you are struggling and not yet putting in the appropriate amount of time, doing this should be your first step.

## Keys to Success

I hope this advice will be helpful for you. It consists of my observations in the time I have been teaching. I have observed two character traits common to successful students. The traits are maturity and time commitment. Learning requires working when you don’t want to – that requires maturity. Learning also requires consistent and diligent dedication of time.

One last thought: As an adult, you need to be a self-advocate. If you are having problems, you are expected to seek help. Most of you, at some point in your college career you will run into problems and need to ask for help – don’t wait, reach out as soon as you realize you have an issue.

## Course Policies

### Attendance

Attendance is important and required. In this class, attendance means working through the lecture notes with the aid of the instructional videos and completing assignments and taking exams, as scheduled. It is assumed you will do this.

### Late Work

Due dates are expected to be followed and are intended to allow you time to complete the course on time. As such, I will rarely accept late work. If exceptional circumstances occur, please reach out to me as soon as possible.

### Exam 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 (or two) of your midterm exam scores, then up to the two lowest midterm exam grade(s) 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.

### Instructor Responsibilities and Feedback

My goal in this course is to provide an environment conducive to your learning. I work hard to be available outside of my tutoring/office hours, via email or via Zoom. I welcome questions about any portion of the course and am happy to clarify any issues as they arise. Most homework assignments are automatically graded and you can review your work on the Canvas assignments the day after they are due. I make it a priority to grade exams quickly, but my past experience suggests that this can take me up to two weeks to get back.

### Timeline for Grading

For each written assignment (e.g. discussion posts, workout portion of the exams, etc.), I will endeavor to grade and post grades within one business day. When circumstances prevent me from meeting this goal, I will always get grades back to you within 1 week.

### Drop/Withdraw Policy

If the student is unable to complete this course, it is his/her responsibility to formally withdraw from the course. Until August 26th 2023, students may drop a course from their student portal on [my.unt.edu](https://my.unt.edu) (and depending on the date, may be eligible for at least a partial refund). From August 27<sup>th</sup> to September 29<sup>th</sup> 2023, students may drop a course by following the instructions at the

[Registrar's Office](#) website. 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's Office](#) for further questions.

### Incomplete

Beginning September 30<sup>th</sup> 2023, 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.

### Online Etiquette

Your communication with me and your classmates is expected to be in line with [UNT's General Online Communication Guidelines](#).

In general, don't say things you would be uncomfortable saying to someone in person and strive to communicate clearly. Online interaction makes some common discussions harder because of the need to be very explicit in your meaning due to the lack of other common social cues. Work to assume good intent on behalf of others and work to be clear in your communication and most other issues will take care of themselves.

### Other ways to get help for this course:

What tutoring/office hours are for: Office hours provide a dedicated time for students to get one-on-one, or small group, time with an instructor. Come get help!! Come by my in-person times (on the first page) or email me to set up a time on Zoom.

Math Lab (SAGE 130): See <https://learningcenter.unt.edu/math-lab>

The learning center offers several tutoring options: Drop-In Tutoring, One-on-One Tutoring, Group Tutoring and Online Tutoring. See <http://learningcenter.unt.edu/tutoring>.

### Syllabus Change Policy

This syllabus is subject to change. Any changes will be announced and the updated syllabus will be posted in Canvas.



## 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.

## 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.
- Ask for and use the correct name and pronouns for your instructor and classmates.
- 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.

See these [Engagement Guidelines](https://clear.unt.edu/online-communication-tips) (<https://clear.unt.edu/online-communication-tips>) for more information.

## COVID

### Face Coverings

UNT encourages everyone to wear a face covering when indoors, regardless of vaccination status, to protect yourself and others from COVID infection, as recommended by current CDC guidelines. Face covering guidelines could change based on community health conditions.

### Symptoms

If you are experiencing any [symptoms of COVID-19](https://www.cdc.gov/coronavirus/2019-ncov/symptoms-testing/symptoms.html) (<https://www.cdc.gov/coronavirus/2019-ncov/symptoms-testing/symptoms.html>) please seek medical attention from the Student Health

and Wellness Center (940-565-2333 or [askSHWC@unt.edu](mailto:askSHWC@unt.edu)) or your health care provider PRIOR to coming to campus. UNT also requires you to contact the UNT COVID Team at [COVID@unt.edu](mailto:COVID@unt.edu) for guidance on actions to take due to symptoms, pending or positive test results, or potential exposure.

## Technical Assistance for Online Course System

The University is committed to providing 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 you can contact for help with technology issues.

**UIT Help Desk:** [UIT Student Help Desk site](https://www.unt.edu/helpdesk) (<https://www.unt.edu/helpdesk>)

**Email:** [helpdesk@unt.edu](mailto:helpdesk@unt.edu)

**Phone:** 940-565-2324

**In Person:** Sage Hall, Room 130

**Walk-In Availability:** 8am-9pm

**Telephone Availability:**

- Sunday: noon-midnight
- Monday-Thursday: 8am-midnight
- Friday: 8am-8pm
- Saturday: 9am-5pm

**Laptop Checkout:** 8am-7pm

For additional support, visit [Canvas Technical Help](https://community.canvaslms.com/docs/DOC-10554-4212710328) (<https://community.canvaslms.com/docs/DOC-10554-4212710328>)

## Knewton Student Technical Support

- Knewton offers student technical support: [Knewton Support](#)
- Email: [support@knewton.com](mailto:support@knewton.com)

## UNT Policies

### Academic Integrity Policy

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.

## ADA Policy

UNT makes reasonable academic accommodation for students with disabilities. Students seeking accommodation must first register with the Office of Disability Access (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 web-site](https://disability.unt.edu/). (<https://disability.unt.edu/>).

## 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.

## Access to Information - Eagle Connect

Students' access point for business and academic services at UNT is located at: [my.unt.edu](https://my.unt.edu). All official communication from the University will be delivered to a student's Eagle Connect account. For more information, please visit the website that explains Eagle Connect and how to forward e-mail [Eagle Connect](https://it.unt.edu/eagleconnect) (<https://it.unt.edu/eagleconnect>).

## Emergency Notification and Procedures

UNT uses a system called Eagle Alert to quickly notify students with critical information in the event of an emergency. In the event of a university closure, please refer to Canvas for contingency plans for covering course materials.

## Prohibition of Discrimination, Harassment, and Retaliation (Policy 16.004)

The University of North Texas (UNT) prohibits discrimination and harassment because 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 in its application and admission processes; educational programs and activities; employment policies, procedures, and processes; and university facilities. The University takes active measures to prevent such conduct and investigates and takes remedial action when appropriate.

## Student Evaluation Administration Dates

Student feedback is important and an essential part of participation in this course. The student evaluation of instruction is a requirement for all organized classes at UNT. The survey will be made available toward the end of the semester to provide students with an opportunity to evaluate how this course is taught. Students will receive an email from "UNT SPOT Course Evaluations via IASystem Notification" ([no-reply@iasystem.org](mailto:no-reply@iasystem.org)) with the survey link. Students should look for the email in their UNT email inbox. Simply click on the link and complete the survey. Once students complete the survey they will receive a confirmation email that the survey has been submitted. For additional information, please visit the [SPOT website](http://spot.unt.edu/) (<http://spot.unt.edu/>) or email [spot@unt.edu](mailto:spot@unt.edu).

## Survivor Advocacy

UNT is committed to providing a safe learning environment free of all forms of sexual misconduct. Federal laws and UNT policies prohibit discrimination on the basis of sex as well as sexual misconduct. If you or someone you know is experiencing sexual harassment, relationship violence, stalking and/or sexual assault, there are campus resources available to provide support and assistance. The Survivor Advocates can be reached at [SurvivorAdvocate@unt.edu](mailto:SurvivorAdvocate@unt.edu) or by calling the Dean of Students Office at 940-5652648.

## 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](mailto: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>).

### Use of Student Work

A student owns the copyright for all work (e.g. software, photographs, reports, presentations, and email postings) he or she creates within a class and the University is not entitled to use any student work without the student's permission unless all of the following criteria are met:

- The work is used only once.
- The work is not used in its entirety.
- Use of the work does not affect any potential profits from the work.
- The student is not identified.
- The work is identified as student work.

If the use of the work does not meet all of the above criteria, then the University office or department using the work must obtain the student's written permission.

Download the UNT System Permission, Waiver and Release Form

## Class Recordings & Student Likenesses

In the event we transition to remote synchronous instruction: Remote synchronous class meetings will employ lecture capture technology to record class sessions. Students may occasionally appear on video. The lecture recordings will be available to you for study purposes and may also be reused in future course offerings.

All remote synchronous (live) sessions in this course will be recorded for students enrolled in this class section to refer to throughout the semester. Class recordings are the intellectual property of the university or instructor and are reserved for use only by students in this class and only for educational purposes. Students may not post or otherwise share the recordings outside the class, or outside the Canvas Learning Management System, in any form. Failing to follow this restriction is a violation of the UNT Code of Student Conduct and could lead to disciplinary action.

## Academic Support & Student Services

### Student Support Services

#### Mental Health

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/student-health-and-wellness-center/services/psychiatry) (https://studentaffairs.unt.edu/student-health-and-wellness-center/services/psychiatry)
- [Individual Counseling](https://studentaffairs.unt.edu/counseling-and-testing-services/services/individual-counseling) (https://studentaffairs.unt.edu/counseling-and-testing-services/services/individual-counseling)

#### Chosen Names

A chosen name is a name that a person goes by that may or may not match their legal name. If you have a chosen name that is different from your legal name and would like that to be used in class, please let the instructor know. Below is a list of resources for updating your chosen name at UNT.

- [UNT Records](#)
- [UNT ID Card](#)
- [UNT Email Address](#)
- [Legal Name](#)

*\*UNT EUIDs cannot be changed at this time. The collaborating offices are working on a process to make this option accessible to UNT community members.*

## Pronouns

Pronouns (she/her, they/them, he/him, etc.) are a public way for people to address you, much like your name, and can be shared with a name when making an introduction, both virtually and in-person. Just as we ask and don't assume someone's name, we should also ask and not assume someone's pronouns.

You can [add your pronouns to your Canvas account](#) so that they follow your name when posting to discussion boards, submitting assignments, etc.

Below is a list of additional resources regarding pronouns and their usage:

- [What are pronouns and why are they important?](#)
- [How do I use pronouns?](#)
- [How do I share my pronouns?](#)
- [How do I ask for another person's pronouns?](#)
- [How do I correct myself or others when the wrong pronoun is used?](#)

## Additional Student Support Services

- [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://idea.unt.edu/multicultural-center) (<https://idea.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://idea.unt.edu/pridealliance) (<https://idea.unt.edu/pridealliance>)
- [UNT Food Pantry](https://studentaffairs.unt.edu/food-pantry) (<https://studentaffairs.unt.edu/food-pantry>)

## Academic Support Services

- [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 Center](https://writingcenter.unt.edu/) (<https://writingcenter.unt.edu/>)
- [Math Lab](https://learningcenter.unt.edu/math-lab) (<https://learningcenter.unt.edu/math-lab>)

## Term Schedule

### Week 1

Monday 8/21/2023 Material to cover: Introduction to class: Completely review Start Here Module and Syllabus review, 1.1: Solving linear equations

Tuesday 8/22/2023 Material to cover: 1.2: Simple interest Due in Knewton: 1.1 Part 1 Due in Canvas 1.1 Part 2

Wednesday 8/23/2023 Material to cover: 1.3: Exponential basics and Logarithmic basics Due in Knewton: 1.2 Due in Canvas Class Introduction Quiz, LockDown Browser and Respondus Monitor Quiz

Thursday 8/24/2023 Material to cover: 1.4: Compound interest Due in Knewton: 1.3 Due in Canvas Introduce Yourself Discussion

Friday 8/25/2023 Due in Knewton: 1.4 Due in Canvas Week 1 Wrapup (due Sunday) Review

### Week 2

Monday 8/28/2023 Due in Canvas **Exam 1**

Tuesday 8/29/2023 Material to cover: 1.5: Future Value of an Annuity

Wednesday 8/30/2023 Material to cover: 1.6: Present Value of an Annuity, Optional 1.7: Financial Math extension problems Due in Knewton: 1.5

Thursday 8/31/2023 Material to cover: 2.1: Graphing, generally Due in Knewton: 1.6, 2.1

Friday 9/1/2023 Material to cover: 2.2: All about lines Due in Knewton: 2.2 Part 1 Due in Canvas 2.2 Part 2, Week 2 discussion, Week 2 Wrapup (due Sunday) Review

### Week 3

Monday 9/4/2023 Labor Day

Tuesday 9/5/2023 Due in Canvas **Exam 2**

Wednesday 9/6/2023 Material to cover: 2.3: Finding points of intersection for two lines, 2.4: Systems of linear equations and matrices Due in Knewton: 2.3, 2.4

Thursday 9/7/2023 Material to cover: 2.5: Applied systems of linear equations, 2.6: Linear Inequalities and Systems of linear inequalities Due in Knewton: 2.5, 2.6

Friday 9/8/2023 Material to cover: 2.7: Linear programming, graphically Due in Knewton: 2.7 part 1, 2.7 part 2 Due in Canvas Week 3 Wrapup (due Sunday) Review

### Week 4

Monday 9/11/2023 Due in Canvas **Exam 3**



Tuesday 9/12/2023 Material to cover: 2.8: Simplex Method Due in Knewton: 2.8

Wednesday 9/13/2023 Material to cover: 3.1: Functions Due in Knewton: 3.1

Thursday 9/14/2023 Material to cover: 3.2: More about Functions Due in Knewton: 3.2 part 1 Due in Canvas 3.2part 2

Friday 9/15/2023 Material to cover: 3.3: Transformations of functions Due in Knewton: 3.3 Due in Canvas Week 4 discussion, Week 4 Wrapup (due Sunday) Review

## Week 5

Monday 9/18/2023 Due in Canvas **Exam 4**

Tuesday 9/19/2023 Material to cover: 3.4: Quadratic functions and Factoring Due in Knewton: 3.4 Part 1, 3.4 Part 2

Wednesday 9/20/2023 Material to cover: 3.5: Polynomial Functions Due in Canvas 3.2 Part 3

Thursday 9/21/2023 Material to cover: 3.5: Polynomial Functions cont., 3.6: Rational functions Due in Knewton: 3.5

Friday 9/22/2023 Material to cover: 3.6: Rational functions cont. Due in Knewton: 3.6 Due in Canvas Week 5 Wrapup (due Sunday) Review

## Week 6

Monday 9/25/2023 Due in Canvas **Exam 5**

Tuesday 9/26/2023 Material to cover: 3.7: Exponential functions Due in Knewton: 3.7

Wednesday 9/27/2023 Material to cover: 3.8: Logarithmic function Due in Knewton: 3.8 Part 1, 3.8 Part 2

Thursday 9/28/2023 Material to cover: 4.1: Sets Due in Knewton: 4.1

Friday 9/29/2023 Material to cover: 4.2: Counting Techniques Due in Knewton: 4.2 Due in Canvas Week 6 discussion, Week 6 Wrapup (due Sunday) Review

## Week 7

Monday 10/2/2023 Due in Canvas **Exam 6**

Tuesday 10/3/2023 Material to cover: 4.3: Probability Due in Knewton: 4.3 Part 1

Wednesday 10/4/2023 Material to cover: 4.4: Expected Value Due in Knewton: 4.3 Part 2, 4.4

Thursday 10/5/2023 Material to cover: 4.5: Conditional Probability and Independence Due in Knewton: 4.5

Friday 10/6/2023 Material to cover: 4.6: More Exponential rules Due in Knewton: 4.6 Part 1 Due in Canvas 4.6 Part 2, Week 7Wrapup (due Sunday) Review

## Week 8

Monday 10/9/2023 Due in Canvas **Exam 7**

Tuesday 10/10/2023 Material to cover: 4.7: Function composition and decomposition

Wednesday 10/11/2023 Material to cover: 4.8: Other Algebra topics Due in Knewton: 4.8 Part 1  
Due in Canvas 4.7, 4.8 Part 2, 4.8 Part 3

Thursday 10/12/2023 Due in Canvas Week 8 Wrapup Review

Friday 10/13/2023 Due in Canvas **Final Exam**

Your Final Exam is on 10/13. It is **required, comprehensive** and worth at least 20% of your overall grade.