



## CHEM 1360.400 – Context of Chemistry for Science Nonmajors

### Fall 2025

#### Instructor Contact Information

- **Name:** Dr. Sophie Kinyanjui
- **Office location:** Online via Zoom.
- **Drop-in Help hours:** Mo: 9:00 – 9:30 AM, We: 8:30 – 9:00 am; Th: 10:30 – 11:30 AM (Via Zoom: click on the “Zoom” icon on Canvas), or by appointment (please email me for appointment).
- **Email address:** [Sophia.kinyanjui@unt.edu](mailto:Sophia.kinyanjui@unt.edu)

#### Communication expectations

My students' success is very important to me, so let me know how I can help you succeed this semester. The best way to reach me is by email at [Sophia.Kinyanjui@unt.edu](mailto:Sophia.Kinyanjui@unt.edu). Please do not hesitate to contact me for assistance or clarification. I am always happy to help. I respond to email within 48 hours, except during holidays or when I am away. Grades will be posted in the Canvas grade book as soon as you complete your exam/assignments. Please keep track of your grades and let me know of any issues in the Canvas grade book. If you miss an assignment, Canvas does not enter any grade for you and therefore it will show the wrong grade until we input the zero. So, watch out for this and add the zero to your grade calculations!

I also routinely communicate with the class as a whole through announcements in Canvas. Be sure to set up your Canvas page so that you receive push notifications of changes made to the page!

#### Course Description

**3 hours.** Fundamentals of chemistry for students who are not science majors. Applications of chemistry to its role in the world. Topics include historical and philosophical development of modern chemistry, the environment, energy, industrial and economic development, modern materials, and popular perspectives of chemistry. May not be counted toward a major or minor in chemistry. May be used to satisfy a portion of the Natural Sciences requirement of the University Core Curriculum.

#### Course Objectives:

At the completion of the course, students should be able to:

- Demonstrate that they have developed a comfortable knowledge of science so that they may become productive, creative, ethical, and engaged citizens.
- Use topics of current interest to illustrate chemical principles, and to demonstrate an appreciation of the importance of chemistry in the real world.
- Demonstrate the ability to relate chemical problems to everyday life. This will be accomplished through an essay on chemicals around the home.
- Read about science and technology with some degree of critical judgement. This is especially important since many scientific problems are complex and controversial.
- Demonstrate an understanding of the concepts of sustainability and green chemistry, by means of which scientists

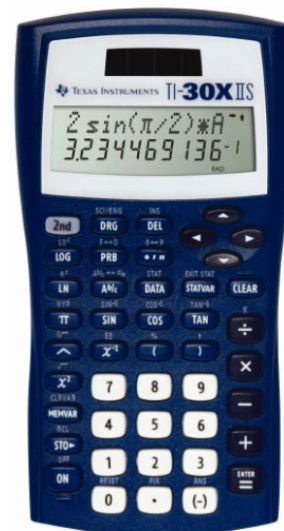
seek better, safer and more environmentally friendly processes and products.

- Answer questions that illustrate a curiosity about science, an appreciation of chemistry as an open-ended experience, and create the passion to continue learning throughout their lives.
- Develop skills that are desirable in the workplace such as working together, basic civility, and consensus building. Demonstrate team-building skills through a teamwork project.

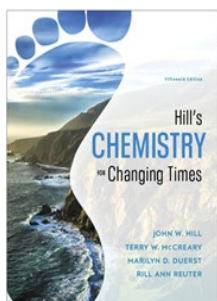
## REQUIRED MATERIALS

### Required Scientific Calculator:

- **YOU NEED A SCIENTIFIC CALCULATOR FOR THIS COURSE!**
- Technically ANY SCIENTIFIC CALCULATOR will work for this class. So, if you own any graphing calculator, you're good to go. BUT if you don't have a calculator and you're looking to acquire a cheap one for this class, this TI-30X-IIS will be sufficient for this class. It costs approximately \$10.00 at Walmart, BestBuy or Office Depot. It's cheaper on Amazon!
- You also have the option of using the free [Desmos scientific calculator](#) that is available online as an accessible alternative.



(Your cell phone is NOT a calculator! The use of your cell phone during any exam is STRICTLY PROHIBITED)



### **1. REQUIRED Textbook:**

An e-text is available as a bundle with the access code for the MyLab and Mastering online homework. You **do not need** to purchase a hard copy of the textbook unless this is your personal preference.

**2. REQUIRED Access code for Pearson MyLab and Mastering** for Online Homework and Quizzes. You will access these assignments **through Canvas** by clicking on the "**Access Pearson**" icon. The first time you click on it, it will prompt you to either purchase the access code or use the 14-day FREE temporary access. Choose whichever is applicable to you.

The cost of the e-text plus access code to Mylab Mastering is approximately \$65 when you purchase it through Canvas. I have bargained on your behalf for this discounted price. So please be sure to obtain the access codes through Canvas. **You only get the discount if you go through Canvas!!!** If you're charged more than \$65 for the package, please let me know before you purchase it. You should NOT pay that much for it!

**\*\*My Lab and Mastering online Homework and Quizzes have weekly due dates with NO extensions(!). So, you must get started immediately by using the 14-day FREE temporary access. If you're still unable to purchase the access code after the FREE trial, please email me ASAP.**

### My Teaching Philosophy – The importance of Goal setting

I believe that You can “do” chemistry, regardless of what you may have heard before. I find chemistry endlessly interesting and my goal in this course is to introduce you to some of that fascination. I want you to learn the foundations of chemistry and how it is so closely related to all the comforts and conveniences of modern living, from your bathroom to your kitchen, from food and medicines, to colognes, air fresheners, paints, and bug sprays. These are all chemicals that are found in your house. I want to show you how much chemistry you utilize daily, and hope that you can pass on the wisdom you acquire in this class to your friends and families to make the world a safer place to live in, one person at a time. I have tried to ensure that the material in this course is presented in several different ways, from reading to videos to interactive simulations. I want you to *think* about the material and learn how to apply this basic scientific knowledge you are gaining to solve everyday life problems. I do not want you to simply memorize and regurgitate information on exams.

Goal setting is a very important step in ensuring your success in any undertaking. I would like you to pause here and think about the grade you want to make in this class and in your other courses that you are taking this semester. Many of my students want to make As in all their classes. Some want to make B's and a few just want to survive and therefore consider a C sufficient for their purposes. I make no judgment about what you have chosen for yourself. My job is to support you in achieving your goal. So, I would like you to be very honest with yourself and write down the grades you want to make in your classes on a plain piece of paper.

Now set your second goal which is to work diligently towards achieving the first goal throughout this semester. In fact, go ahead and write the grades on more pieces of paper and stick them to the fridge, to the bathroom mirror, on your desk, even make the letter grades your screen saver on your cell phone and on your computer. Let everything around you remind you of your goal, and purpose to walk towards this goal every moment of the semester. If you find yourself playing a computer game, or doing something random, simply ask yourself, “Is this taking me towards my goal?” If it is not, just gently turn from it and continue walking towards your goal. Practice this every day without fail and I can assure you that whatever you focus your mind on will definitely become manifest in your reality.

You see, I believe in you. I believe that you can achieve any goal that you set your sights on as long as you keep walking towards it without getting overly distracted. I would like you now to believe in yourself and focus on achieving your goals for this semester. Tell yourself that you can do it. Remind yourself every day that you can do it. Do not let anyone tell you that you cannot do it. If they do, just tell them, “Wait till I finish, and I will show you!” Remember. All you have to do is to keep thinking about your goals every moment, and simply keep walking/working towards them. You do not have to struggle. You just keep working. You just need to keep working on every assignment, keep up with every reading and every homework assignment on a daily basis. If you get distracted for a moment, that is ok. Just notice it, gently turn from it, and keep working on the course materials.

A 16-week semester is such a short time. Before you know it, the semester will be over. And..... You will have achieved your goal..... OR not. It all depends on the decisions you make every minute, of every hour, of every day.

As I said before, I believe in You, and I believe in your ability to achieve any goal that you set your mind on and to which you give 100 % of your total undivided focus. You can do it.

You had better believe it. And believe in yourself.

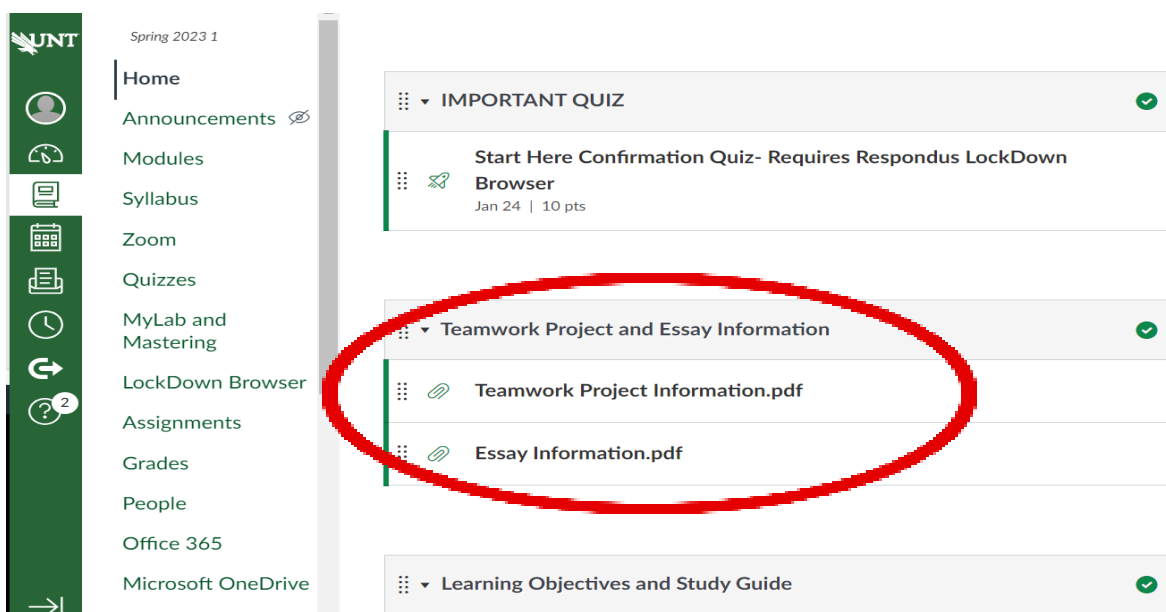
## TEAMWORK PROJECT INFORMATION

You will work with other students in your class on a teamwork project whose instructions are posted to Canvas. **The teamwork project accounts for 12 % of your final grade**, so you must make sure to take this assignment very seriously.

Teamwork means pulling together towards a common goal. **Working individually then adding up the pieces to make one whole does not constitute “Teamwork”**, and often the ideas will appear disjointed and haphazard. You will lose points for working individually on this Teamwork project! Thus, you must work together to harmonize the individual contributions into a comprehensive report. Communicating efficiently, and meeting with your group members regularly helps to ensure that all the tasks are completed and turned in in a timely fashion. Research has shown that effective communication is key to the success of any team effort.

**The Teamwork Project and Essay Assignment** information are in separate documents on Canvas. You **MUST** read both carefully so that you understand what is expected of you and be sure to submit each in a timely fashion, **as it constitutes a big chunk of your final grade!**

Here’s a screenshot showing you where the Teamwork Project information is located in Canvas.



!!!!!!

You must get started on the Groupwork project ASAP by establishing contact with your team members.

Before class started, the class had already been divided into Teamwork Project Groups. To find your group, go to Canvas and click on “People” on the left dropdown menu. Then click on Teamwork Project Groups and scroll down to find your name in your Group. Visit the Group homepage. You can then click on the “Announcements” tab and post a message introducing yourself, give your contact information and ask your team members to get in touch with you. You could also use the “People” tab in the left menu to find the emails of the team members.

This will be your task for the first week of school. You will need to establish contact with you team members, begin communication and schedule your First meeting which will earn you 5 extra points.

**ASSESSMENT & GRADING****Grading Summary:**

Possible Points at the end of the Semester/Grading Scale = 1000. The letter grade assignments are as follows:

**Table 1**

Total Points	Letter Grade
1000 - 885	A
884 - 785	B
784 - 685	C
684 - 585	D
< 585	F

**Table 2**

Assignment	Points Possible	Percentage of Final Grade
4 Mid-term Exams (100 points each)	300 points	30% (Lowest exam dropped)
Final Exam	200 points	20%
Lecture Review Quizzes	140 points	14% (Lowest dropped)
Teamwork Assessment	100 points	10%
Essay	60 points	6%
MyLab Mastering Homework and Quizzes	200 points	20%
<b>Total Points Possible</b>	<b>1000 points</b>	<b>100%</b>

**Lecture Quizzes (14% of course grade):** Recorded Zoom Lectures will be posted for you to watch every week. A pay attention lecture quiz will be posted for each lecture which will be graded in Canvas for correctness. The quiz questions will be drawn directly from the lecture material, so you must watch the lecture before attempting the quiz. There will be 1 or 2 quizzes per week. If you have 2 quizzes, the first will be due on Thursday and the other on Sunday. Each quiz will have 2 attempts and must be completed 2 days before the corresponding exam or on the due date. You can view the correct answers 2 days before the corresponding midterm exam using the Lockdown Browser.

**Teamwork Project (10% of course grade):** his class has a Teamwork project grade that must be completed in groups. Since it is a Teamwork project, you CANNOT complete it individually. The teams will be formed at the beginning of the semester, and you will have tasks that the group needs to complete each week (except on exam weeks) for about 9 weeks. At the end of the project, each team member will provide feedback on how well the whole team operated as a unit and grade each team member on their level of preparation, active engagement, participation, and collaboration efforts in completing the assigned Tasks in a timely fashion. This will account for 5% of your total grade. The other 5% will be the instructor's review of the completed tasks.

**MyLab and Mastering Homework (10% of course grade):** Homework will be assigned on the MyLab & Mastering® online. Homework assignments are worth 100 points each and the lowest grade will be dropped. Homework total grade will be based on the total percent accumulated divided by the maximum total percent of all homework assignments.

**MyLab and Mastering Quizzes (10% of course grade):** Quizzes will be assigned on the MyLab & Mastering® online. Quizzes are worth 100 points each and the lowest quiz grade will be dropped. There will be no make-up quizzes. Quiz total grade

will be based on the total percent accumulated divided by the maximum total percent for all quizzes. Quizzes will be based on the homework questions and the material covered in the lectures.

**Essay (6% of course grade):** You will turn in one essay on Canvas (Instructions on a separate document in Canvas).

**Mid-term Exams (30% of course grade):** FOUR mid-term exams will be given during the semester. Each exam will consist of a mixture of multiple-choice and short answer questions and will be closed book. **Each exam will be administered online on CANVAS using the Lockdown Browser with webcam** during the time window given in the syllabus. **Missing an exam for ANY REASON will result in a score of zero. NO makeup exam is given for ANY reason!!** Since you have a 24-hour window to complete each exam, NO REASON is acceptable for missing any exam. If you feel that you have a valid reason, you MUST email me within several days **BEFORE** the exam, NOT afterwards. If you happen to be in the Emergency Room all day on the day of the test, you must report this to the Dean of student's office, and the Dean of Students will email me with the information. I will then make a decision on what to do.

Any other reason, such as a technical issue with your computer, LockDown Browser, or Wi-Fi must be reported immediately. ALL technical issues can be resolved by contacting the UIT Student Help Desk first. This is your first line of defense. Contact them before you contact me! If the matter is NOT resolved, then you must email me a screenshot of what you see on your end as soon as you encounter the problem; NOT 1 or 2 days later.

The lowest midterm grade will be dropped.

**Here's the UIT Help Desk information:**

The University of North Texas provides student technical support in the use of Canvas and supported resources. The student help desk may be reached at:

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

Phone: 940.565-2324

In Person: Sage Hall, Room 130

**Final Exam (20 % of course grade):** a closed-book comprehensive exam which consists of all the material covered in the class during the entire semester and is mandatory. Missing the final exam will result in a score of zero and an overall F grade for failing to complete the course. **This course is NOT complete without a Final Exam grade.**

#### **Examination Policy**

- All exams will be completed online via Canvas.
- All exams will require the "LockDown Browser with webcam." The student can also go to the testing center at the Main Campus in Denton at the Sage Hall Testing Center (Room C330, third floor, across the hall from the elevator). You must reserve a spot at the Testing Center ahead of time. They don't allow walk-ins!!
- For students with visual disabilities who are not be able to use Respondus Lockdown browser, this feature will be disabled so that they can use screen readers to take exams at the ODA testing center.
- REMEMBER: **Chromebooks DO NOT support the Respondus LockDown Browser.** If all you have is a chromebook, you MUST contact Sage Hall or Willis Library ASAP about either checking out a laptop or getting remote access to a desktop for your exams, or even throughout the semester.
- All Exams will **ONLY have ONE** attempt and will be timed.
- If you have approved ODA accommodations, then you get extra time on timed exams (**Not** untimed quizzes and homework!!) in accordance with your approved time.



Late work, homework, quizzes, and exams will not be accepted beyond the deadlines (except for university excused absences and extremely extenuating circumstances, which I reserve the right to define). The lowest MyLab Mastering homework and quiz assignment will be dropped at the end of the semester. Therefore, missing one assignment due to a death in the family, illness, or other extenuating circumstances will NOT adversely affect your grade. There will be no makeup exams for missed exams (again, except for university excused absences and extremely extenuating circumstances, which I reserve the right to define). If you miss a midterm exam due to any other reason, then you will get a zero for that exam, and it automatically becomes your drop exam. If you have extremely extenuating circumstances or any problem that may lead to missing an assignment or an exam, you must let me know ASAP.

Some very limited concessions will be provided as per the advice of the office of the Dean of Students due to COVID issues and other matters that are traditionally arbitrated by the Dean of Students. So, if you have any COVID related issues, religious holidays, or family, mental or emotional issues, you MUST report them FIRST to the Dean of Students' office, then to the instructor.

## ACADEMIC INTEGRITY POLICY

### Policy Statement (UNT Policy 06.003)

The University of North Texas promotes the integrity of learning and embraces the core values of trust and honesty. Academic integrity is based on educational principles and procedures that protect the rights of all participants in the educational process and validate the legitimacy of degrees awarded by the University. In the investigation and resolution of allegations of student academic dishonesty, the University's actions are intended to be corrective, educationally sound, fundamentally fair, and based on reliable evidence.

### 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.

**In this course, academic dishonesty and/or cheating will not be tolerated, and an automatic grade of "F" (zero grade) will be given for that particular assignment or test. Additionally, the incident will be reported to the Dean of Students, and to the Academic Integrity Office who may impose further penalty. The term "cheating" includes, but is not limited to**

- (a) The use of any unauthorized assistance when taking exams, such as class notes, talking to another student, using cell phones, tablets, smart watches, or any other electronic gadget.
- (b) Acquisition, without permission, of tests, notes, or other academic material belonging to a faculty member of the University.
- (c) Copying whole sentences or paragraphs from published articles and pasting these into your essay that you turn in for a grade. *Other people's words are their intellectual property; you must not copy them verbatim without paraphrasing in your own words (not rearranging other people's words).*
- (d) Turning in an essay that either you or someone else had turned in in the previous semester. If you are

repeating the class, you must write a new essay.

- (e) Any other action that is designed to give a student an unfair advantage.

For more information the full UNT policy: [06.003 Student Academic Integrity.pdf](#)

#### TENTATIVE COURSE CALENDAR:

The schedule is tentative and may be modified/updated at the discretion of the instructor.

The course material has been split up for you into “bite sizes” that are assigned to certain days. This is to help keep you on track. You don’t have to follow my guidelines, as long as you keep yourself on track.

Date	Section	Topics
<b>Date</b> Week 1 Aug 18 – Aug 24	●●●	Login to Canvas; READ: Meet Your Professor; Syllabus; Online Assignment information, Purchase Access code for e-text and MyLab Mastering; The Basics for Students New to Canvas; Getting Help; Technical Requirements and Skills; Download and Install LockDown Browser. Take the “Respondus LockDown Browser Practice Quiz- Requires Respondus LockDown Browser” within the first week of school. Read the Instructions for the Teamwork Project. <b>**IMPORTANT** Chromebook does not support the Respondus LockDOWN Browser!!! If you only have a Chromebook, please consider checking out a Laptop from Sage Hall or Willis Library for your Exams.</b>
	<b>Chapter 1:</b> 1.1 & 1.2	A science for all seasons: Science and Technology: The roots of knowledge; Characteristics of Science: Reproducible, Tentative, Testable, Predictive, Explanatory;
	1.3 to 1.5	<u>Communicate with your Team members by the end of this week.</u> Science and Technology: Risks and Benefits; Scientific Research; Chemistry: A Study of Matter and Its Changes
<b>Introduction to My Lab and Mastering Chemistry due on 08/26/25</b>		
Week 2 Aug 25 - Aug 31	1.6, 1.7 & 1.8	Classification of Matter; The Measurement of Matter; Density
	1.8, 1.9 & 1.10	Energy: Heat and Temperature; Critical Thinking; Green Chemistry: Reimagining Chemistry for a Sustainable World
	<b>Chapter 2:</b> 2.1 and 2.2	Atoms: Are they for real? Ideas from the Ancient Greeks; Scientific Laws: Conservation of Mass and Definite Proportions <u><b>[Have a remote meeting with your Team and elect a team leader by 8/31/25 11:59 pm. YOU GET 5 extra Credit points for meeting with your Team, OR negative 5 points (-5 points!!) for failing to either communicate or show up!]</b></u>



Chapter 1 homework and quiz due on 09/2/25		
Week 3 Sep 2 – Sep 7	2.3 to 2.6	John Dalton and the Atomic Theory of Matter; The Mole and Molar mass Mendeleev and the Periodic Table Atoms and Molecules; Recycling; Green Chemistry essay: It's Elemental
	<b>Chapter 3</b> 3.1 to 3.4	Atomic Structure: Images of the invisible; Electricity and the atom Serendipity in Science: X-rays and Radioactivity; Three Types of Radioactivity; Rutherford's Experiment: The Nuclear Model of the Atom
	3.5 to 3.6 <b>(Skip 3.7 &amp; 3.8)</b>	The Atomic Nucleus; Elements and Isotopes; Green Chemistry essay: Clean Energy from Solar Fuels <i>[Teamwork: Task #1 due 09/7/25 at 11:59 pm]</i>
Chapter 2 homework and quiz due on 09/07/25		
Week 4 Sep 8 – Sep 14		Exam 1 Review: Review all the Chapter objectives and make sure that you know the concepts. Work with your Teamwork group to review the material.
		Print out the formula sheets for the exam or pick up printed copies from Dr. Kinyanjui's office (CHEM 164).
Chapter 3 homework and quiz due on 09/10/25		
Friday, Sep 12 (12:00 am – 11:59 pm)   EXAM 1 window   Covers Chapters 1, 2, & 3		
Week 5 Sep 15 – Sep 21	<b>Chapter 5</b> 5.1	Chemical Accounting: Chemical Sentences, Balancing Chemical Equations
	5.2 & 5.3	Volume Relationships in Chemical Equations; Avogadro's Number and the Mole
	5.4 & 5.5	Molar Mass: Mole-Mass and Mass-Mole Conversions <b>(Skip Mass Relationships in Chemical Equations on page 155-156)</b> Solutions: Solution Concentrations and Molarity. Green Chemistry essay: Atom Economy. <b>(Skip Percent Concentrations on page 159 – 160)</b> <i>[Teamwork: Task #2 due 09/21/25 at 11:59 pm]</i>
Chapter 5 homework and quiz due on 09/23/25		
Week 6 Sep 22 – Sep 28	<b>Chapter 7</b> 7.1 to 7.3	Acids and Bases: Please pass the protons; Experimental Definitions; Acids, Bases and Salts; Acidic and Basic Anhydrides
	7.4 & 7.5	Strong and Weak Acids and Bases; Acid- Base Neutralization
	7.6 and 7.8 <b>(Skip 7.7)</b>	-The pH Scale - Acids and Bases in Industry and in daily Life; Why Doesn't Stomach Acid Dissolve the Stomach? Acid Rain; Green Chemistry: Acids and Bases – Greener Alternatives <i>[Teamwork: Task #3 due: 09/28/25 at 11:59 pm]</i>
Chapter 7 homework and quiz due on 09/30/25		

Week 7 Sep 29 – Oct 5	<b>Chapter 20</b> 20.1 & 20.2	Household Chemicals: Chemicals in your home; Cleaning with Soap; Synthetic Detergents
	20.3 & 20.4	Laundry Auxiliaries: Softeners and Bleaches; All-Purpose and Special-Purpose Cleaning Products
	20.5 & 20.6	Solvents, Paints, and Waxes: Cosmetics: Personal-Care Chemicals: Green Chemistry: Practicing Green chemistry at Home <i>[Teamwork: Task #4 due: 10/5/25 at 11:59 pm]</i>
<b>Chapter 20 homework and quiz due on 10/7/25</b>		
Week 8 Oct 6 – Oct 12		Exam 2 Review: Review all the Chapter objectives and make sure that you know the concepts. Work with your Teamwork group to review the material.
		Print out the formula sheets for the exam or pick up printed copies from Dr. Kinyanjui's office (CHEM 164).
<b>Friday, Oct 10 (12:00 am – 11:59 pm)   EXAM 2 window   Covers Chapters 7, 5 &amp; 20</b>		
Week 9 Oct 13 – Oct 19	<b>Chapter 18</b> 18.1 to 18.5	<i>[NOTE: In this Chapter, please DO NOT worry about memorizing the formulas of the Drugs. You just need to have a general overview of commonly used drugs and how they work – NOT their formulas!]</i> Drugs from Nature and the Laboratory; Pain Relievers: from Aspirin to Oxycodone Drugs and Infectious Diseases; Chemicals against Cancer; Hormones: The Regulators
	18.6 to 18.8	Drugs for the Heart; and Drugs and the Mind; Drugs and the Society: Green Chemistry: Green Pharmaceutical Production <i>[Teamwork: Task #5 due: 10/19/25 at 11:59 pm]</i>
<b>Chapter 18 homework and quiz due on 10/21/25</b>		
Week 10 Oct 20 - Oct 26	<b>Chapter 21</b> 21.1 & 21.2	Poisons: Toxicology, and natural Poisons; Poisons and How They Act
	21.3 & 21.4	More Chemistry of the Nervous System; The Lethal Dose, LD <sub>50</sub>
	21.5, 21.6 & 21.7	The Liver as the detox Facility; Carcinogens and Teratogens: Hazardous Wastes; Green Chemistry: Designing Safer chemicals with Green Chemistry
<b>Chapter 21 homework and quiz due on 10/28/25</b>		
Week 11 Oct 27 – Nov 2		No Handouts for Exam 3.
		Exam 3 Review: Review all the Chapter objectives and make sure that you know the concepts. Work with your Teamwork group to review the material.

**Friday Oct 31 (12:am – 11:59 pm) | EXAM 3 window | Chapters 18 & 21**

Week 12 Nov 3 – Nov 9	<b>Chapter 16</b> 16.2 & 16.3	Carbohydrates; A Storehouse of Energy; Carbohydrates in the Diet
	16.4, 16.5, & 16.8	Fats and Other Lipids; Fats and Cholesterol; Proteins in the Diet <b>Essay Due: Chemicals in and Around the Home Due on 11/9/25 at 11:59 pm</b>
Week 13 Nov 10 – Nov 16	<b>Chapter 17</b> 17.1, 17.2, & 17.3	The chemistry of Wellness, Food, Nutrition, Exercise and Fitness; Calories: Quantity and Quality; Minerals; Vitamins
	17.4 & 17.5	Fiber, Electrolytes, and Water; Food Additives <b>[Teamwork Individual Survey Due on 11/16/25 by 11:59 pm]</b>
<b>Chapter 16 homework and quiz due on 11/18/25</b>		
Week 14 Nov 17 – Nov 23	17.6 & 17.7	Starvation, Fasting, and Malnutrition; Weight loss, Diet and Exercise
	17.8	Fitness and Muscle; Green chemistry: The Future of Food Waste- A Green Chemistry Perspective <b>[Self-Reflection Review of Teamwork Project due 11/23/25 by 11:59 pm]</b>

**Chapter 17 homework and quiz due on 11/23/25****November 24 -28 --- FALL BREAK – NO CLASSES**

Week 15 Dec 1 – Dec 7	Study Time	<b>Scheduled Study Time to prepare for <u>Exam 4</u> as well as the <u>Final Exam</u>.</b>
		Review all the topics covered in the course to prepare for the comprehensive Final Exam.

**Wednesday Dec 3 (12:am – 11:59 pm) | EXAM 4 window | Chapter 16 & 17**

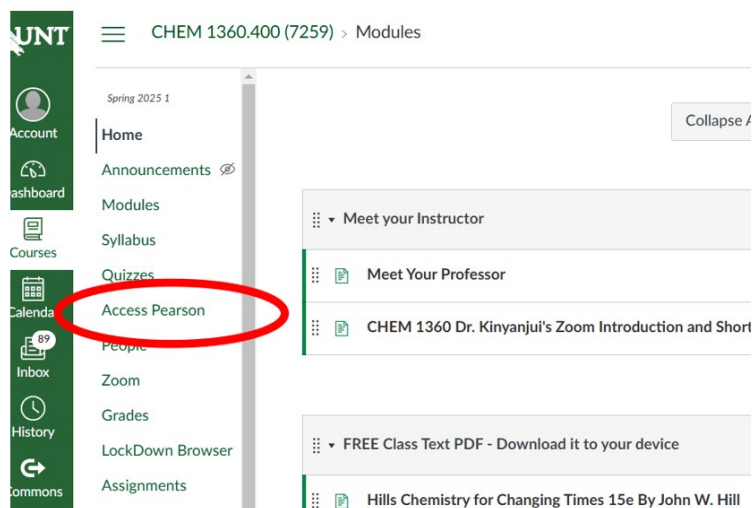
This is a good **checkpoint** to Review ALL Chapters in preparation for **Final Exam**

**Tuesday DEC 9 (12:AM – 11:59 PM) | COMPREHENSIVE FINAL EXAM WINDOW**

## COURSE POLICIES

### Online Homework and Quizzes Policy – MyLab and Mastering

All assignments (homework and quizzes) will be completed on the Pearson MyLab and Mastering. To access the online assignments, students must login to CANVAS and click on “Access Pearson” as shown below:



Due dates are on the syllabus schedule and are also available when you log on to the “MyLab and Mastering”

The University is committed to providing a reliable internet access system to all users. However, in the event of any unexpected server outage or any unusual technical difficulty which prevents students from completing a time sensitive assessment activity, the instructor will extend the time windows and provide an appropriate accommodation based on the situation. Students should immediately report any problems to the instructor and immediately contact the UNT Student Help Desk: [helpdesk@unt.edu](mailto:helpdesk@unt.edu) or 940.565.2324. The instructor and the UNT Student Help Desk will work with the student to resolve any issues at the earliest possible time.

### Student Registration Instructions for Canvas

#### First, enter your Canvas course

1. Sign in to Canvas (<https://unt.instructure.com/>) and enter your Canvas course.
2. Do one of the following:
  - Select a Access Pearson link in the Course Navigation. Next, select OpenMyLab and Mastering or a content link.

**Next, follow the prompts to either purchase the access code or select the Temporary 14-day access if you don't have money right now.**

Select an access option:

- Buy access using a credit card or PayPal.
- Get temporary access.
- From the You're Done page, select Go to My Courses.

**Note: We recommend you always enter your Mastering Chemistry course through Canvas.**

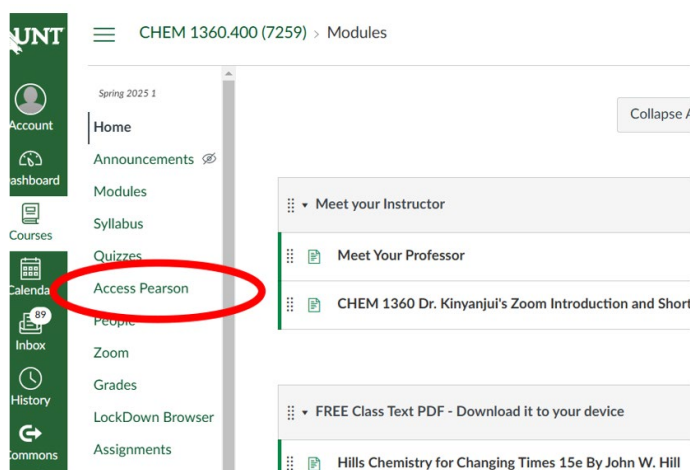
## HOW TO SUCCEED IN THIS COURSE

To succeed in this course, students must be self-motivated, dedicated, self-disciplined team-players that are willing to learn, and to keep up with the reading schedule, homework and quizzes deadlines.

The key to success is working consistently on the course material throughout the semester and accessing help promptly whenever it is needed. If you start to fall behind, be sure to get caught up ASAP.

Here are some steps to get you started:

1. Download and Follow the “Chapter Objectives and Study Guide”
2. Complete the required sections as outlined in the syllabus which includes: reading, completing exercises, watching videos and/or animations
3. Complete the following on CANVAS:
  - a. **Purchase access to the MyLab and Mastering assignments asap.**
  - b. Complete the homework assignments as you finish reading each section through MyLab and Mastering in a timely fashion



- c. Exams must be completed online. LockDown Browser is required to take the all exams.
4. **Get Help!**
  - a. Instructor's Office Hours: **We 10:00 – 11:00 AM, Th: 3:30 – 4:30 PM (Via Zoom: click on the “Zoom” icon on Canvas), or by appointment (please email me).**
  - b. TA's: Office hours to be arranged
  - c. Chemistry Resource Center (CRC): FREE!!! Mon-Thurs. 8am-6pm, Fri 8am-3pm –staffed by Chemistry graduate students. For more information, visit:

<https://chemistry.unt.edu/undergraduate-program/instructional-resources>

## Incomplete Grade

An incomplete grade is only given if the student meets the requirements set forth by the university. The incomplete for the course is only given during the last one-fourth of a semester and only if a student: (1) is passing the course; (2) has justifiable reason why the work cannot be completed on schedule; and (3) arranges with the instructor to finish the

course at a later date by completing specific requirements that the instructor must list on the electronic grade roster. All work in the course must be completed within the specified time (not to exceed one year after taking the course.) For additional information visit the Office of the Registrar's website at <https://registrar.unt.edu/grades/incompletes>

### Get your computer ready

For the best experience, check the system requirements for your product at <https://www.pearsonmylabandmastering.com/system-requirements/>

### Need help?

For help with Mastering Chemistry for Canvas, go to [https://help.pearsoncmg.com/integration/cg/canvas/student/en/content/get\\_started.htm](https://help.pearsoncmg.com/integration/cg/canvas/student/en/content/get_started.htm)

**Pearson Accessibility Information:** <https://www.pearson.com/us/accessibility.html>

### LOCKDOWN BROWSER DOWNLOAD INSTRUCTIONS

LockDown Browser is like any other browser, the only difference is that LockDown Browser will not let you open additional pages while you are working in Canvas.

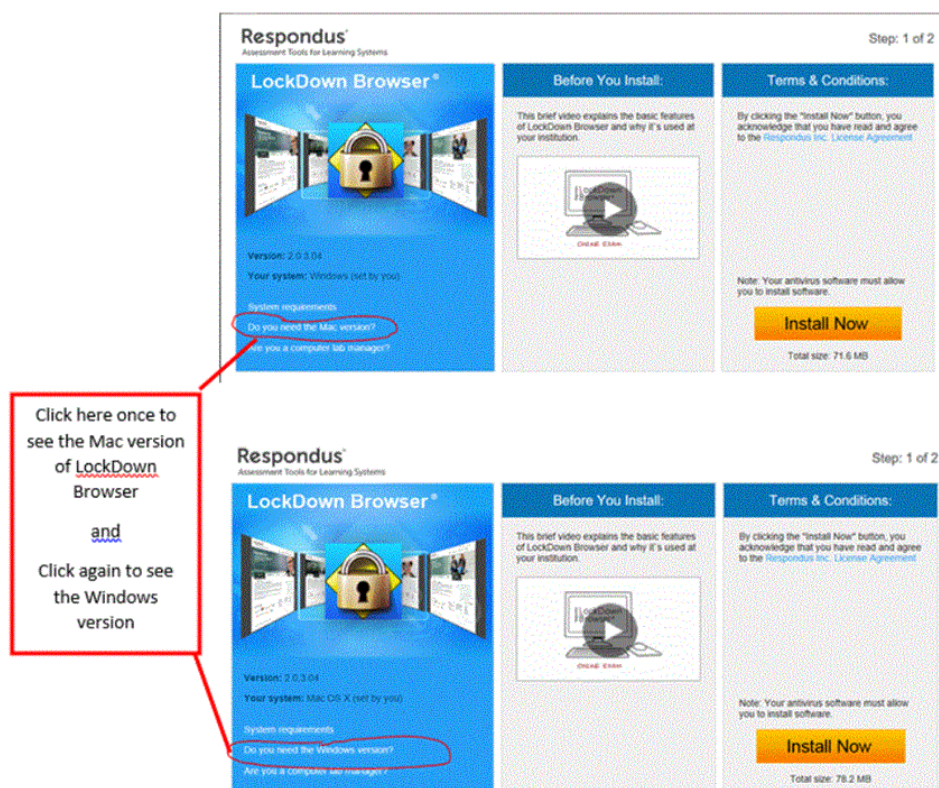
Important:

- **Please notice that LockDown Browser is not available for Chromebook.**
- The **desktop computers at Willis Library do not have LockDown Browser**, but they are good to work on assignments and discussions.
- Please use FireFox while you are working in your assignments and discussions.
- For Exam 1, Exam 2, Exam 3, Exam 4, and the final exam you need LockDown Browser
- The University has iPads available at Willis Library ready for check out. These devices have access to LockDown Browser and work perfectly for quizzes and exams.

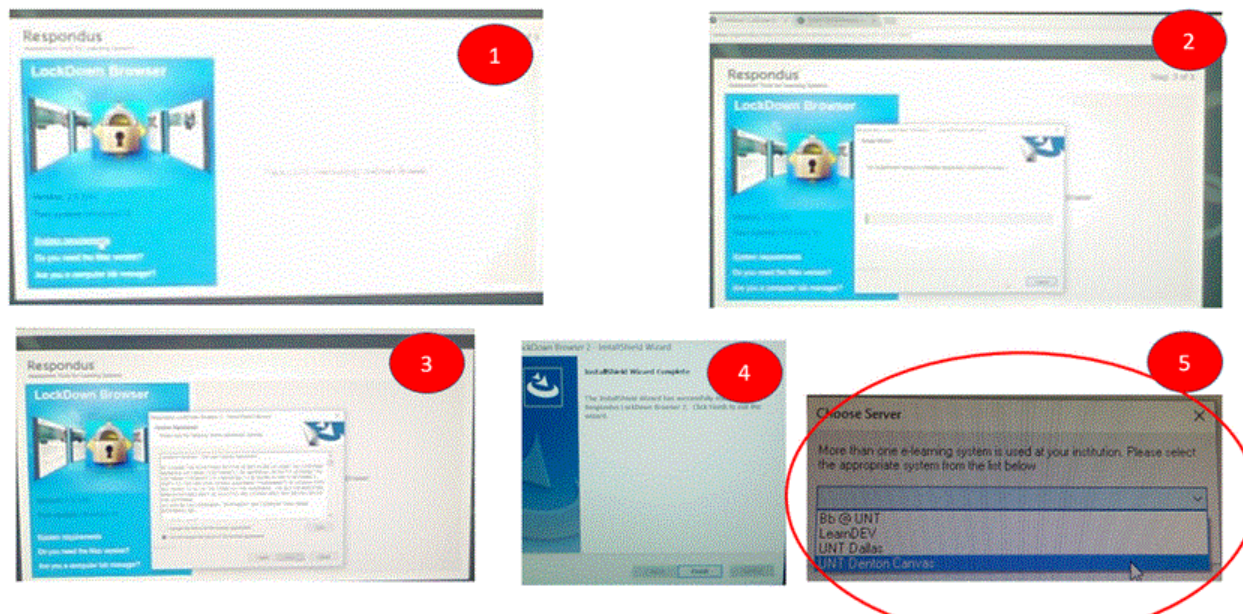
### **Protocol to download LockDown Browser in your computer (Not Chromebook)**

1. Before downloading LockDown Browser you will need to close all the pages and files you have open.
2. Open this link: <https://www.respondus.com/lockdown/download.php?ostype=2&id=165715487>
3. Download only the version that corresponds to your computer: Mac or Windows
4. Click where it says "Mac Version" and double click to see the "Windows version" (See image below)





5. Follow the installation as instructed by LockDown Browser.



6. You should have the lockDown Browser icon on your desktop now. Please open LockDown Browser and choose "UNT Denton Canvas"





## TECHNICAL REQUIREMENTS/ASSISTANCE

UIT Help Desk: <http://www.unt.edu/helpdesk/index.htm>

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 site](#)

**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>)

## Student Academic Support Services

- [Academic Resources](#): where to buy textbooks and supplies, access academic catalogs and programs, register for classes, and more
- [Code of Student Conduct](#): provides Code of Student Conduct along with other useful links
- [Office of Disability Accommodation](#): exists to prevent discrimination based on disability and to help students reach a higher level of independence
- [Counseling and Testing Services](#): provides counseling services to the UNT community, as well as testing services; such as admissions testing, computer-based testing, career testing, and other tests
- [UNT Libraries](#): library services
- [UNT Learning Center](#): provides a variety of services, including tutoring, to enhance the student academic experience
- [UNT Writing Center](#): offers free writing tutoring to all UNT students, undergraduate and graduate
- [Succeed at UNT](#): information regarding how to be a successful student at UNT

## 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

### **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 during weeks 13, 14 and 15 [insert administration dates] of the long semesters 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 at <http://spot.unt.edu/> or email [spot@unt.edu](mailto:spot@unt.edu).

## **UNT POLICIES**

### **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](http://disability.unt.edu).

### **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.

### **Emergency Notification & 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 Blackboard for contingency plans for covering course materials.

### **Retention of Student Records**

Student records pertaining to this course are maintained in a secure location by the instructor of record. All records such as exams, answer sheets (with keys), and written papers submitted during the duration of the course are kept for at least one calendar year after course completion. Course work completed via the Blackboard online system, including grading information and comments, is also stored in a safe electronic environment for one year. Students have the right to view their individual record; however, information about student's records will not be divulged to other individuals without proper written consent. Students are encouraged to review the Public Information Policy and the Family Educational Rights and Privacy Act (FERPA) laws and the University's policy. See UNT Policy 10.10, Records Management and Retention for additional information.

### **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. The Code of Student Conduct can be found at [deanofstudents.unt.edu/conduct](https://deanofstudents.unt.edu/conduct).

### **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: [eagleconnect.unt.edu/](https://eagleconnect.unt.edu/)

### **Sexual Assault Prevention**

UNT is committed to providing a safe learning environment free of all forms of sexual misconduct, including sexual harassment sexual assault, domestic violence, dating violence, and stalking. Federal laws (Title IX and the Violence Against Women Act) and UNT policies prohibit discrimination on the basis of sex, and therefore prohibit 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. UNT's Survivor Advocates can assist a student who has been impacted by violence by filing protective orders, completing crime victim's compensation applications, contacting professors for absences related to an assault, working with housing to facilitate a room change where appropriate, and connecting students to other resources available both on and off campus. The Survivor Advocates can be reached at

[SurvivorAdvocate@unt.edu](mailto:SurvivorAdvocate@unt.edu) or by calling the Dean of Students Office at 940-565- 2648. Additionally, alleged sexual misconduct can be non-confidentially reported to the Title IX Coordinator at [oeo@unt.edu](mailto:oeo@unt.edu) or at (940) 565 2759.

### **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 at <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](#).

### **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

### **Transmission and Recording of Student Images in Electronically-Delivered Courses**

1. No permission is needed from a student for his or her image or voice to be transmitted live via videoconference or streaming media, but all students should be informed when courses are to be conducted using either method of delivery.
2. In the event an instructor records student presentations, he or she must obtain permission from the student using a signed release in order to use the recording for future classes in accordance with the Use of Student-Created Work guidelines above.
3. Instructors who video-record their class lectures with the intention of re-using some or all of recordings for future class offerings must notify students on the course syllabus if students' images may appear on video. Instructors are also advised to provide accommodation for students who do not wish to appear in class recordings.

Example: This course employs 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.

No notification is needed if only audio and slide capture is used or if the video only records the instructor's image. However, the instructor is encouraged to let students know the recordings will be available to them for study purposes.

## 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 eulDs 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://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>)

#### 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 Lab](http://writingcenter.unt.edu/) (<http://writingcenter.unt.edu/>)

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**These descriptions and timelines are subject to change at the discretion of the Professor.**