

## MFET 4190 – QUALITY ASSURANCE

### Instructor Information:

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Phone: (940) 369-7510 (Work)

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**Office:** F101N.1

### Office Hours:

Tuesday: 12:00 PM to 2:00 PM

Thursday: 12:00 PM to 2:00 PM

Friday: 12:00 PM to 2:00 PM

or by appointment

### NOTE:

1. If for unavoidable reasons I am not able to be present during Office Hours, as far as feasible you will be informed ahead of time and alternate arrangements will be made.
2. You are strongly encouraged to make use of office hours.
3. Office hours offer you an opportunity to ask for clarification or find support with understanding class material. Come visit me! I encourage you to contact me for support. ***Your success is my goal.***

### Class Schedule:

Tuesday & Thursday 10:00 AM – 11:20 AM in Room: NTDP E264

**Catalog Course Description:** Review of statistics and discussion of statistical process control (SPC). The study of quality management, including preproduction suppliers, in-process and finished, product quality, methods of statistical analysis and quality audits, costs, and employee training.

**Prerequisite(s):** MATH 1720

### Course Objectives:

By the end of this course, students will be able to:

- Demonstrate an understanding of Quality Assurance.
- Demonstrate an understanding of statistical process control and techniques.
- Demonstrate an understanding of Quality Management principles.

**Course Outcomes: (ABET Student Outcomes addressed):**

- Abet 1: An ability to apply knowledge, technique, skills and modern tools of mathematics, science, engineering, and technology to solve broadly defined engineering problems appropriate to the discipline (Abet, a, b, f).

**Textbook:**

- Quality and Performance Excellence by James R. Evans, 8th edition, 2016. South-Western Cengage Learning. ISBN-13: 9781305662223
- Additional supplemental materials will be provided as needed as handouts or web links in class.

**Calculators:**

The only calculators that are approved for this course are those permitted on the Fundamentals of Engineering (FE) exam for Professional Engineer (PE) licensing:

- **Casio:** All fx-115 and fx-991 models (Any Casio calculator must have “fx-115” or “fx-991” in its model name.)
- **Hewlett Packard:** The HP 33s and HP 35s models, but no others
- **Texas Instruments:** All TI-30X and TI-36X models (Any Texas Instruments calculator must have “TI-30X” or “TI-36X” in its model name.)

**Tentative Course Topics:**

This is a tentative course outline. The instructor will attempt to follow it closely and reserves the right to substitute or add any other relevant material at any point throughout the course.

No	Topic
1	Review of Syllabus & Policy
2	Intro to Quality Performance Excellence
3	Framework for Quality
4	Tools and Techniques for Quality Design
5	Tools and Techniques for Quality Improvement
6	Introduction to Statistics: Descriptive Statistics
7	Statistics: Probability
8	Statistics: Inferential Statistics
9	Control Charts
10	Statistics: Linear Regression
11	Introduction to Design Experiments
12	Competitive Advantage and Strategic Management for Performance Excellence
13	Quality in Customer-Supplier Relationships

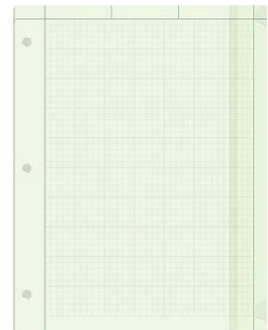
No	Topic
14	Quality Teamwork
15	Engagement, Empowerment, and Motivation
16	Leadership for Performance Excellence

### Assignments:

Take-home exercises will be posted on Canvas and are due on the date and time given in the assignment. This work will be based on the material covered in class and reading assignments. For the most part the work will be due in a week's time. No late assignments will be accepted. No emailed assignments will be accepted. It is the student's responsibility to check and see which assignment is available and to turn them in a timely manner. All work turned in after the deadline will receive a grade of zero unless the student has a university-excused absence and provides documentation within 48 hours of the missed deadline.

For any team-based assignments, each student is required to provide a clear and detailed account of their individual contributions to the group effort. This information will be considered when determining grades for the group work to ensure a fair and accurate assessment of each team member's participation and effort.

1. Assignments will be posted on Canvas and are due on the date and time given on the assignment in class.
2. All hand written assignments should be done using Engineering Computation Pad, 8-1/2" x 11", Glue Top, 5 x 5 Graph Rule on Back, Green Tint Paper, 3-Hole Punched.
3. Follow the documentation guidelines provided in the reference section in Canvas.
4. All assignments should be turned in as a hard copy unless stated otherwise.
5. No late assignments will be accepted or graded.
6. No emailed assignments will be accepted.
7. It is the student's responsibility to check and see what assignment is available and to turn them in a timely manner.
8. Once a graded assignment has been returned to the student, it should be uploaded to Canvas as PDF within 3 calendar days.
9. If you fail to upload the graded assignment, you will not receive credit for the same.



### Knowledge Checks:

1. Knowledge Checks will be given during each class session at the discretion of the instructor.
2. Typically, they are given at the beginning of class for the most part and will cover material from a lecture / reading assignment that has already been covered.
3. You will have between 10 to 15 minutes to take the Knowledge Check.
4. On occasion Knowledge Checks may be assigned to be completed out of the classroom setting.
5. All Knowledge Checks once graded should be scanned and uploaded to Canvas within 3 calendar days of receiving this quiz.
6. If you miss a Knowledge Check, you cannot make it up unless it is a valid absence as per University Policy.
7. If you fail to upload the graded Knowledge Check you will not receive credit for the same.
8. On certain Knowledge Checks at the discretion of the instructor, you might have an opportunity to redo the Knowledge Check for additional credit.

## Course Projects:

The course projects are a central component of this Quality Assurance course and are designed to help you apply quality concepts, methods, and tools to practical engineering and manufacturing scenarios. Throughout the semester, you will complete multiple team-based projects that reflect real-world applications of Quality Assurance in mechanical engineering technology.

Each project is supported by in-class activities such as guided discussions, problem-solving exercises, knowledge checks, and short assignments. These activities are structured to help you build the technical skills and practical understanding needed to successfully complete each stage of the project work.

For each project, your team will clearly define the engineering or manufacturing problem, establish quality objectives, and identify measurable deliverables aligned with customer and process requirements.

Through these projects, you will:

- Apply Quality Assurance principles to mechanical systems, components, or manufacturing processes
- Use tools such as process flow diagrams, control charts, check sheets, Pareto charts, cause-and-effect diagrams, and basic FMEA
- Analyze process variation, defects, and performance metrics to assess quality and reliability
- Interpret inspection data and calculate key measures such as process capability, defect rates, and compliance to specifications
- Use spreadsheets, charts, and basic data analysis techniques to support decision-making and quality improvement

Effective teamwork and technical communication are essential components of this course. Your group will collaborate to divide responsibilities, analyze data, and develop clear, concise technical documentation. Project reports will include a well-defined problem statement, methodology, analysis, results, and conclusions, written in a professional engineering format. Teams will also share their work through informal in-class presentations, allowing you to explain your approach and receive feedback from peers.

Through these projects, you will strengthen your problem-solving, data analysis, and communication skills, deepen your understanding of applied Quality Assurance, and gain valuable experience working as part of a collaborative engineering team—skills that are essential for professional practice in mechanical engineering technology.

## Portfolio:

As part of the course requirements, each student must maintain a **Portfolio**, which serves as a comprehensive, well-organized, and continuously updated record of all academic work completed throughout the semester.

### Purpose and Expectations

The Portfolio is intended to:

- Document your progress and engagement with the course material.
- Serve as a structured reference for your learning throughout the semester.
- Encourage ongoing reflection, study discipline, and synthesis of key concepts.

Students are expected to begin assembling their Portfolio at the start of the semester and maintain it consistently throughout the course.

### Format and Organization

The Portfolio must be maintained in physical form using a three-ring binder and should be organized according to the course modules. Each module section should include relevant and dated materials in the order listed below:

1. Course Syllabus – A printed copy of the syllabus must be placed at the beginning of the Portfolio.
2. Modular Sections – The body of the Portfolio should be organized by course module, with clearly labeled dividers for each module. Each section should include:
  - Class notes

- Knowledge checks (Original & Rework)
  - Completed assignments related to the module (Original & Rework)
3. Laboratory reports – Documentation for all projects must be included in a dedicated section.
  4. Projects – Documentation for all projects must be included in a dedicated section.
  5. Examinations – Copies of all exams should be included in a dedicated section.
  6. Appendix – Any pre-approved reference materials (e.g., charts, diagrams, or supplementary readings) should be placed in an appendix at the end of the binder.

#### Evaluation and Credit

- The instructor may request to review the Portfolio at any point during the semester.
- Credit will be awarded only if the Portfolio is complete, clearly organized as per the format in the Syllabus, and reflects meaningful engagement with the course content.
- Students are expected to expand and refine their lecture notes and assignments as they proceed through each module, incorporating insights from textbooks and other course resources.

The Portfolio is not merely a collection of documents—it is a demonstration of your intellectual commitment to the course. Consistent and thoughtful maintenance of this record will support your learning and contribute significantly to your overall performance.

#### Grading Philosophy:

1. **Transparency:** Clear communication of grading criteria, including expectations for assignments, exams, participation, and overall performance in the course. This ensures students understand how their work will be evaluated.
2. **Fairness and Equity:** Ensuring grading practices are fair and unbiased, treating all students equally regardless of background, identity, or circumstances.
3. **Alignment with Learning Objectives:** Grading will reflect the course's learning objectives and outcomes. Assessments will measure students' understanding of the material and their ability to apply concepts rather than rote memorization.
4. **Constructive Feedback:** Providing constructive feedback that helps students understand their strengths and weaknesses, guiding them on how to improve. Feedback will be timely, specific, and actionable, facilitating student growth and learning.
5. **Consistency:** Applying grading criteria consistently across all students and assignments to ensure fairness and reliability in assessment.

#### Grading Criteria:

Attendance	5%
Assignments	15%
Portfolio	5%
Knowledge Checks	15%
Projects	15%
Exam I (March 5 <sup>th</sup> , 2026)	20%
Final Exam	25%

#### Expected Grade Distribution:

A: ≥90%, B: 80-89%, C: 70-79%, D: 60-69%, F: <60%. Your grade will not be based on a curve.

## Technical Skill Requirements:

MS Office Suite (Excel, Word, PowerPoint), Engineering Graphics, Internet usage, emails, Canvas, SolidWORKS.

## Teamwork Policy

1. **Importance of Teamwork** - Teamwork is a fundamental objective of the senior design course and a critical skill for success in engineering practice. Each team member is expected to contribute equally and meaningfully to all aspects of the project, from initial planning to final delivery. To ensure accountability and fairness, team members will conduct periodic peer evaluations of one another's participation. These evaluations will directly influence individual final grades. If a team believes that a member is not fulfilling their responsibilities, it is imperative to notify the instructor immediately so appropriate actions can be taken to address the issue.
2. The following behaviors are considered harmful to the team dynamic and detrimental to the course objectives:
  - **Failure to participate in team activities:** Consistent engagement in discussions, meetings, and collaborative efforts is expected.
  - **Lack of contribution to the design process:** Every member is responsible for actively participating in brainstorming, analysis, prototyping, testing, and reporting.
  - **Missing deadlines:** Meeting project deadlines is crucial to maintaining team progress and ensuring the overall success of the project.
  - **Engaging in unethical behavior:** This includes acts such as plagiarism, falsifying data, or misrepresenting work.
  - **Poor working relationships:** Conflicts or unprofessional behavior toward teammates, advisors, or staff can undermine team morale and productivity.
  - **Misuse of project materials:** Proper handling of tools, equipment, and resources is essential for project efficiency and safety.
  - **Jeopardizing team progress:** Any actions or decisions that hinder the team's ability to achieve its objectives will not be tolerated.
3. **Attendance and Commitment** - Attendance and full participation are non-negotiable components of teamwork in this course. Missing team meetings or failing to contribute due to work commitments, personal obligations, or other conflicts is unacceptable under UNT policy. Students must recognize the significant time commitment required for senior design projects and prioritize their schedules accordingly. Teams are expected to collaboratively determine meeting times that accommodate everyone's availability. Meetings, project development, and resource use will primarily take place at UNT Discovery Park, and students must be prepared to dedicate the necessary time and effort to achieve project milestones. Failure to adjust schedules or fully engage in team activities will negatively impact both individual and team performance.

4. **Impact on Grades** - The instructor has the authority to adjust grades based on individual contributions to the team. This includes reducing grades for students who demonstrate inadequate participation or behavior that undermines the team's progress. In extreme cases, a student may be removed from the team. If this occurs, the student will be unable to complete the course requirements, which may result in a failing grade, regardless of their performance on individual assignments. From time-to-time peer reviews will be conducted to determine the individuals contribution to the Group.
5. **Creating a Collaborative Environment** - A successful team is built on mutual respect, open communication, and shared responsibility. Each team member is encouraged to actively contribute ideas, resolve conflicts constructively, and support one another throughout the project. This collaborative environment will not only lead to a successful project outcome but also prepare students for the professional teamwork required in their future careers.

By adhering to these policies, students will cultivate essential skills in teamwork, communication, and problem-solving, ensuring both personal growth and team success in the senior design project.

### **Attendance:**

Responsibility for class attendance rests with the student. Attendance at all class meetings is required. Attendance surveys will be taken throughout the semester during class at the discretion of the instructor. Per University policy 06.039, an absence may be excused for the following reasons: religious holy day, including travel for that purpose; active military service, including travel for that purpose; participation in an official university function; illness or other extenuating circumstances; pregnancy and parenting under Title IX; and when University is officially closed. It is the student's responsibility to provide satisfactory evidence to make an excused absence.

### **Policies and Procedures:**

1. This syllabus is subject to change during the semester with changes to be announced in class and provided on Canvas.
2. This course provides opportunities for students to take advantage of several software packages supported by the department in the classroom, in simulation studies, homework assignments, or in projects.
3. The classes will be held in person at the scheduled times.
4. Canvas Learning Management System, at <https://canvas.unt.edu/> will be used for posting announcements, course-related materials, assignments, and grades. Students are encouraged to check the course website often.
5. Grades are based in part on the student's ability to communicate. You must present your work in a well-organized and well-articulated manner with appropriate depth.
6. Requests for the review of a graded report/assignment must be made within one week of the grade announcement. Upon review, the report/assignment score may increase, remain the same, or decrease.
7. There will be no make-up quizzes or assignments unless you have a documented, university excused absence. If you know in advance that you will miss a quiz or assignment, you must contact the instructor before the scheduled quiz or assignment.
8. An "I" (incomplete) grade is given only for extenuating circumstances and in accordance with University and Departmental Policies.
9. The instructor reserves the right to change the grade distribution at the end of the semester. If any changes occur, the changes will be less stringent than the distribution above.

10. **Technical Assistance.** Working in an 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 technical issues.

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

**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> )

11. **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 individuals’ 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.
- All communication via email should be done using the UNT domain. Emails originating from outside this domain will not be responded to.
- When in class your cell phone should be silenced. Refrain from using your cell phone unless it is an emergency.

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

12. **Academic Integrity Standards and Sanction for Violations:** 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. In

line with the UNT Honor Code, all work you submit must be your own. Using GenAI tools without attribution or relying on them to complete assignments violates academic integrity and will be addressed according to our policy. A finding of academic dishonesty may result in a range of academic penalties or sanctions ranging from admonition to expulsion from the University. Any violation of academic honesty in an exam or assignment will result in a grade of zero and a report to <https://faculty.success.unt.edu/academic-integrity>.

13. **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 classrooms, labs, discussion groups, field trips, etc. The Code of Student Conduct can be found at [deanofstudents.unt.edu/conduct](https://deanofstudents.unt.edu/conduct).

14. **Exam Protocol:**

- Your cell phone and computer, plus all books and class notes, **must be placed on the floor** (not in your pant/shirt pockets) at the side of the room, front of the room, or back of the room. It is suggested that you not bring them. **If you get caught using a cell phone during an exam, this will result in an automatic zero for the exam!**
- A seating chart may be created or be prepared for the instructor to assign you to particular seats before the exam begins.
- Students will not be allowed to leave the room during an examination for bathroom breaks. Please use the restroom before you begin your exam. Once you leave the room, the exam will be collected as you will be done with the exam.
- Bring your UNT IDs to be checked.
- Arrive early to put your books, etc., away and to find your assigned seat.
- You may be given scratch paper and formulas will be part of the exam. Cell phones cannot be used as calculators. The test is closed book so you may have no other materials at your desk.
- You may use a calculator.
- The instructor may quickly go over the test at the beginning of the period. Do not expect questions to be answered about the test while you are taking it.
- Absolutely no talking, looking at another student's exam, or passing anything between students is permitted during the test. Such actions will be construed as cheating. Students are not permitted to leave the room during the exam. Suspicious activity will be noted on the seating chart. The test may be videotaped.
- Anyone finishing the test early must sit quietly until the end of the period. All tests will be taken up at one time.
- All attempts will be made to return the exam to you in the next class period. No exams will be given back outside of class. **Please note that all exams may be scanned prior to returning them to the students.**

- You are required to keep your Exams in your Binder. All graded exams should be uploaded to Canvas within 3 calendar days of being returned.
15. **Access to Information- Eagle Connect:** Students' access point for business and academic services at UNT is located at: [my.unt.edu](http://my.unt.edu). All official communication from the University will be delivered to your Eagle Connect account. For more information, please visit the website that explains Eagle Connect and how to forward e-mail: [eagleconnect.unt.edu/](http://eagleconnect.unt.edu/).
  16. **ADA Statement:** UNT makes reasonable academic accommodations 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).
  17. **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 Canvas for contingency plans for covering course materials.
  18. **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 Canvas 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 records; however, information about students' 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.
  19. **Student Perceptions of Teaching Effectiveness (SPOT):** 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 and 14 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 [www.spot.unt.edu](http://www.spot.unt.edu) or email [spot@unt.edu](mailto:spot@unt.edu). Students are highly encouraged to participate in the SPOT evaluation. It helps the instructors tremendously in improving their teaching effectiveness.

## **Academic Support & Student 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-andwellness-center) (<https://studentaffairs.unt.edu/student-health-andwellness-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-wellnesscenter/services/psychiatry) (<https://studentaffairs.unt.edu/student-health-and-wellnesscenter/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](#)

### *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/>)