The University of North Texas
Data Analytics and Statistics
College of Science
ADTA 5240

Course Syllabus

COURSE INFORMATION

Welcome to ADTA 5240. I am excited to have you in class this semester, and I look forward to working with you all throughout the course.

ADTA 5240: Harvesting, Storing, and Retrieving Data
Credit Hours: 3
Class Location: SAGE 356
Class Time: Tuesdays 2:00 – 3:50PM

Instructor Contact Information
Dr. Shon Williams

Office Hours: Tuesdays 10am -1:30pm, Wednesdays 12:30 – 2:00pm and via Zoom by appointment. Please schedule an appointment to secure your meeting time with me. Otherwise, you may end up waiting in line.

Email: shon.williams@unt.edu

Teaching Philosophy

   I believe in being a lifelong learner. This is essential in the field of Advanced Data Analytics. I am committed to my students' learning and will help them develop a learning framework they can use throughout their careers. The syllabus and course calendar are tools for communicating clear learning objectives, coursework requirements and deadlines to facilitate students' learning.

   I like to think of myself as a master gardener with the classroom being my garden. It is my responsibility to provide a safe and welcoming learning environment where my students can thrive. This includes providing context for each learning objective and assignment. It also includes providing timely feedback. It is my responsibility to strategically introduce challenges which promote my students' professional development.

   I believe my students have great potential and I believe in their success. It is my responsibility to prepare my students for entering the workforce. Ultimately, my success as a teacher is measured by my students' success in their future jobs. To help facilitate my students' future success, I gauge their progress and understanding of the subject matter by establishing performance guidelines in the syllabus, provide timely feedback and grades. My students earn their grades. I understand that "life happens" and I will be flexible when a legitimate problem arises.

Course Prerequisites, Corequisites, and/or Other Restrictions
Required prerequisite courses: NONE.

Materials: Text, Readings, Supplementary Readings
No textbook is required for this course, but we will have articles to read throughout the semester
(these are listed in the weekly modules under content).

These books are NOT required, but you might find them beneficial for extra reinforcement of the material.
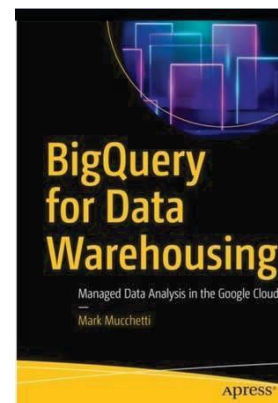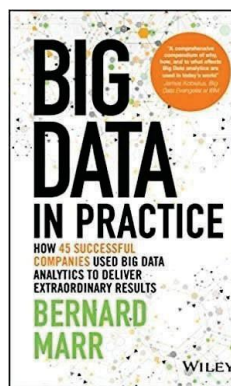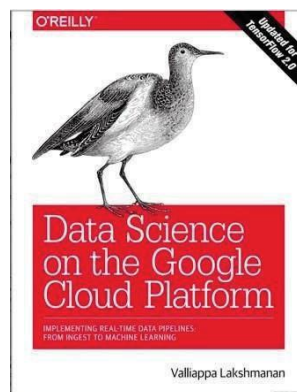
- Lakshmann, V. (2018) Data Science on the Google Cloud Platform. O'Reilly.
  ISBN:9781491974537, 1491974532
- Marr, B. (2016). Big Data in Practice: How 45 Successful Companies Used Big Data
  Analytics to Deliver Extraordinary Results. Wiley. ISBN: 978-1119231387
- Mucchetti, M. (2020) . BigQuery for Data Warehousing. Apress. ISBN-13 : 978-1484261859

Course Description

This course introduces the fundamentals of data engineering, including harvesting (and processing), storing, retrieving, exploring, and visualizing data. This course aims to provide students with theoretical knowledge and practical experience leading to mastery of the fundamentals of data engineering using both small and large datasets. As these fundamentals are introduced, exemplary technologies will be employed to illustrate how storage and processing architectures can be constructed. The problems are being considered in the context of big data analytics. Exercises and examples will consider both simple and complex data structures, and data ranges from clean and structured to dirty and unstructured.

Course Objectives

Outcome 1	Develop an understanding of the fundamental concepts of modern data management, including data science life cycle, data scaling, structuring data, and data lakes.
Outcome 2	Develop knowledge and skills in data harvesting, storing, retrieving, and processing using cloud technology.
Outcome 3	Develop knowledge and skills in working with the Apache Hadoop framework, including Hadoop Distributed File System (HDFS), MapReduce, Hive, and Colossus.
Outcome 4	Develop knowledge and skills in working with HDFS, Spark, Linux, SQL, and Big Query.
Outcome 5	Develop knowledge and skills in cleansing/wrangling data with Google/Open Refine.
Outcome 7	Introduce students to querying data in Big Query, Hive, and Spark.

COURSE REQUIREMENTS

1. The student will be responsible for daily checking the UNT email announcements and other types of class communication.

2. The student will access and follow all course instructions in the syllabus, announcements, assignments, and all other class-related documents.

3. The student will complete all class assignments in the time frame specified in the class documents, including the course calendar, to participate effectively in-class activities.

4. The student will complete all the projects, assessment tests, and exams in the time frame specified in the class documents, including the course calendar.

5. No late work will be accepted.

COMMUNICATIONS

Interaction with Instructor: Communication is essential for a successful semester!

I look forward to getting to know and working with you all. Contact me anytime using my UNT email ([Shon. Willliams@unt.edu](mailto:Shon.Willliams@unt.edu)). I will check my email daily and will make every effort to respond within 24 hours. If you have not heard back from me in 24 hours, please feel free to send another email. For email received on weekends (Friday after 5pm), I will respond as soon as possible on Monday. Please do not email me through Canvas. Here is a great website provided by CLEAR to give you some tips for communicating online: *CLEAR has a webpage for students that provides Online Communication Tips*

Assignments, assessments, and Discussions

There will be **ten GCP-centered exercises** throughout the course.
There will be **a discussion.**
There will be **a midterm exam**.
There will be **a group project for the final**.
There will be a **final exam.**

Make-Up Policy
No makeup assignments or exams will be offered except for approval in advance. Students will be required to provide the necessary documentation.

Late-work Policy

All assignments are to be submitted by the due date and time. Assignments are due on the Sunday at 11:59 PM following the class period in which the material is covered.

The deadline for submitting an assignment is 11:59 PM on the due date.

No late submissions are accepted. All late submissions are graded as a 0. Late submission of the midterm or final exam or final project will not be accepted.

NOTES: Late work is subject to the penalty described above unless previously approved by the instructor.

Class Schedule

Week	Due Date	Topic	Activities	Assignment(s) Due
Week 1	8/24	Welcome & Overview	Lecture 1 In-Class Discussion & Activity Readings/Video	Discussion Post #1 Assignment #1
Week 2	8/31	Introduction to Big Data	Lecture 2 In-Class Discussion & Activity Readings/Video	Discussion Post #2 Assignment #2
Week 3	9/7	Structured and Unstructured Data	Lecture 3 In-Class Discussion & Activity Readings/Video	Discussion Post #3 Assignment #3
Week 4	9/14	Data Lifecycle	Lecture 4 In-Class Discussion & Activity Readings/Video	Discussion Post #4 Assignment #4
Week 5	9/21	Introduction Google Cloud Platform	Lecture 5 In-Class Discussion & Activity Readings/Video	Discussion Post #5 Assignment #5
Week 6	9/28	Exploring Hadoop Ecosystem	Lecture 6 In-Class Discussion & Activity Readings/Video	Discussion Post #6 Assignment #6
Week 7	10/5	Introduction to Linux Operating System MIDTERM Review	Lecture 7 In-Class Discussion & Activity Readings/Video	Discussion Post #7 Assignment #7
Week 8	10/7	MIDTERM		

Week	Due Date	Topic	Activities	Assignment(s) Due
Week 9	10/19	Distributed File Systems	Lecture 8 In-Class Discussion & Activity Readings/Video	Discussion Post #8 Assignment #8
Week 10	10/26	Data Preparation and Using OpenRefine	Lecture 9 In-Class Discussion & Activity Readings/Video	Discussion Post #9 Assignment #9
Week 11	11/2	Data Queries with BigQuery	Lecture 10 In-Class Discussion & Activity Readings/Video	Discussion Post #10 Assignment #10
Week 12	11/9	Creating Tables	Lecture 11	Assignment #11

		and Querying in Hive and Spark	In-Class Discussion & Activity Readings/Video	
Week 13	11/16	Final Project Workday	Final Project Workday	
Week 14	11/23	Final Project Workday	Final Project Workday	
	11/30-11/29	**Thanksgiving Break**		
Week 15	12/2	Final Project	Presentations	Final Project
Week 16	**12/9**	**FINAL EXAM (1:30-3:30PM)**		

Instrument	Percentage of Final Grade
Attendance	10%
Homework Assignments (11)	20%
Midterm	20%
Final Project	30%
Final Exam	20%
Total Percentage	100%

The final letter grade will be determined as follows:

Final Grade	Percentage
A	90-100
B	80-89
C	70-79
D	60-69
F	0-59

Access & Navigation

Access and Log-in information

This course was developed and will be facilitated utilizing the University of North Texas' resources. The student will need his/her EUID and password to access the UNT systems. If you do not know your EUID or have forgotten your password, please visit the website at http://ams.unt.edu.

Technical Assistance

Part of working in the online environment involves dealing with the inconveniences and frustration that can arise when technology breaks down or does not perform as expected. You can contact a Student Help Desk at UNT for help with Canvas or other technology issues.
UIT Help Desk: UIT Student Help Desk site (http://www.unt.edu/helpdesk/index.htm)
Email: helpdesk@unt.edu
Phone: 940-565-2324
In Person: Sage Hall, Room 130
Walk-In Availability: 8 am-9 pm
Telephone Availability:
- Sunday: noon-midnight
- Monday-Thursday: 8 am-midnight
- Friday: 8 am-8 pm
- Saturday: 9 am-5 pm
    Laptop Checkout: 8 am-7 pm

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

Course Policies

Class Participation

Attendance is expected for this class and accounts for 10% of your grade. Only one absence is allowed without prior communication with the professor. Students must also participate in all class activities, such as discussion boards, chat or conference sessions, and group projects.

Here is the student responsibility as per Policy 06.039 Student Attendance and Authorized Absences: Student Responsibility. The student is responsible for regular and punctual attendance.
and is expected to participate in all courses in which the student is enrolled. As you see, "punctual attendance" is also expected. If a student is late more than 2 times during a semester, this will also affect their grade. This could be the difference between an "A" and a "B."

To learn more about campus resources and information on how you can achieve success, go to
https://succeed.unt.edu.

Attendance

Students are expected to attend class meetings regularly and abide by the attendance policy
established for the course. You must communicate with the professor and the instructional team
before being absent, so you, the professor, and the instructional team can discuss and mitigate the
impact of the absence on your attainment of course learning goals. Please inform the professor and
instructional team if you cannot attend class meetings because you are ill, in mindfulness of the health
and safety of everyone in our community.

Course Materials for Remote Instruction
Students will need access to a webcam, microphone, and video playback software to participate in
fully remote portions of the class. Information on success in a remote learning environment can be
found at https://online.unt.edu/learn.

Academic Policies
Academic Integrity Policy
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
investigating and resolving allegations of student academic dishonesty, the University's actions are intended to
be corrective, educationally sound, fundamentally fair, and based on reliable evidence.

The UNT Student Academic Integrity Policy is found
at https://policy.unt.edu/policy/06-003

ADTA students must read and adhere to the academic integrity expectations of the university, department, and
course. The consequences of violating Academic Integrity expectations are outlined below.

Advanced-Data Analytics Integrity Policy

	Penalty	**Other**
1st Academic Integrity Offense	The minimum penalty is a 0 for the assignment AND a deduction of one letter grade from the final grade for the course. Other penalties may be assessed by the course instructor up to course failure, depending on the severity of the offense.	All Academic Integrity offenses will be reported to the UNT Academic Integrity Office.

Data Analytics and Statistics–College of Science–University of North Texas

2nd Academic Integrity Offense	Suspension from the ADTA program.	A second offense is a separately reported offense in the same class as the 1st offense or in a different course. Students suspended for a second Academic Integrity violation cannot enroll in ADTA courses for 1 calendar year. For students who had a single Academic Integrity violation before Fall 2023, a second violation will result in suspension from the ADTA program.
3rd Academic Integrity Offense	Dismissal from the ADTA program.	Students committing a 3rd Academic Integrity offense will be dismissed from the program. Any additional violation for students who had multiple Academic Integrity violations before Fall 2023 will result in dismissal from the ADTA program.

Scholarly Expectations

All works submitted for credit must be original works created by the scholar uniquely for the class. It is considered inappropriate and unethical to make duplicate submissions of a single work for credit in multiple classes unless specifically requested by the instructor. Students must submit their work. It is **unacceptable** to copy work from another student or copy and paste from a website. Suppose your work is copied from another student, the web, or any other source. In that case, you will receive a **Zero** for the assignment **and** be reported to the Academic Integrity Office on the first offense. If you are caught a second time, you will get a **Zero** for the course and will be again reported to the Academic Integrity Office. **There are no exceptions!** Once you have been notified and given a chance to explain the circumstance, the professor will accept no further communication. I am taking time out of class instruction to present a lecture on plagiarism. If you still do not understand, contact me or another credible resource, as ignorance of the law is **NO** excuse.

PLEASE NOTE: "**Plagiarism** is a very serious offense at UNT. You can still commit academic dishonesty even if you don't mean to plagiarize. When you are accepted to UNT, you are expected to adhere to our policies and standards of Academic Integrity (as defined in University 07.012) in the Code of

Student Conduct. Major violations can result in expulsion from the university. "Anyone plagiarized in an assignment will get a zero for the assignment on the first offense. If that student plagiarizes again, they will receive a zero for the class and be reported to the university's Academic Integrity Office, with no exceptions. Please see

https://guides.library.unt.edu/plagiarism/atunt#:~:text=Plagiarism%20is%20a%20very%20serious%20offense%20at%20UNT.&text=When%20you%20are%20accepted%20to,in%20expulsion%20from%20the%20university for more information on plagiarism.

Guidelines for the Use of Ai in the classroom

AI tools cannot be used to complete quizzes, tests, discussion posts, or project analysis/coding/reports. The student is expected to do their writing and analysis. ChatGPT and other Ai programs will be explored through guided exercises and discussions during class but will not be accepted as deliverable material. Violating course policies on AI usage is considered an academic integrity violation. The instructors for ADTA 5130, 5230, and 5410 agreed that the following more specific guidelines be followed by all faculty teaching those courses. Faculty teaching other courses are encouraged to implement similar practices.

1. Instructors must explicitly specify to which assignments AI tools can be applied.
2. Students can improve writing underlying produced by themselves by using AI tools to edit, paraphrase, and proofread. However, if the percentage attributed to AI by the AI writing detector is scored over 20% (on the answers), then the work should be reviewed further for a possible plagiarism violation.
3. For any assignment where AI tools are allowed, students must use quotation marks to indicate

   statements generated by ChatGPT or other AI tools.
4. Citing AI or ChatGPT is insufficient in any academic writing assignment (e.g., a project report). Students must provide the references used - articles, textbook chapters, etc.
5. Students can use AI tools for tutoring services.
6. The use of AI tools in ADTA 5410 can be more flexible, as the course focuses on analytics methods' applications. For example, students can use AI tools for coding in ADTA 5410.
7. Students are responsible for debugging and ensuring the analysis accuracy performed by any statistical software.
   a. Step-by-step instruction for statistical software (e.g., SAS Enterprise Miner or Excel) with GUI by ChatGPT is unreliable.

    b. ChatGPT is better at generating pseudo code in programming languages (e.g., Python or R) but still requires manual editing to ensure accuracy.

More discussion will take place regarding the use of AI during the course. It is essential that students follow the guidelines provided regarding the appropriate use of AI.

Further guidance on using AI in this course:
The availability of large language models, such as ChatGPT (chat.openai.com), is rapidly changing the tools available to students and the "real world." The view we will take in this class is that since these tools are widely used in the "real world," banning their use in our class does not make sense. That said, it is important to note that while you may use this tool to help you generate ideas, you may not use the tool to create and submit your work. You must acknowledge and cite the source if you choose to use such a tool. This means including quotation marks to indicate statements generated by ChatGPT or other AI tools. Complete citation is expected for all sources, and a complete AI appendix is required to thoroughly document AI use. To be clear, if AI is cited, a complete AI appendix is required.

In order to assist the student in staying within the AI use guardrails established for this course, every assignment requires an AI disclaimer statement. **Any submission that is missing the AI disclaimer statement will be graded as a 0**. There are three possible AI statements:

1) No AI was used in completing this assignment which means exactly what it says, that no AI was used at all in completing the assignment. No AI was used for researching, writing, generating ideas, re-writing, paraphrasing, etc.
2) AI was used, but only Grammarly or a Grammarly-like tool. This requires the addition of an AI appendix stating that Grammarly was used. If Grammarly was used, the entire document in writing prior to Grammarly's use must be included in the AI appendix. **It is not acceptable for Grammarly to write for you**. However, it is acceptable for you to first write your document, then put it through Grammarly to improve upon it.
3) AI was used. This covers all other uses of AI. You must include an AI appendix which contains (a) statement of the reason that you used AI, (b) state which AI engine was used, (c) state each prompt --- exactly as you entered it into the AI engine along with the complete response from the AI engine --- exactly as it was provided and 3-5 sentences critiquing the AI's response (must include both what positive and negative aspects of the AI response). A simple paraphrase or summary of how AI was used is insufficient and will incur a grade penalty.

Additionally, you must understand the content generated by these tools is often incorrect, and it is your responsibility to assess the validity of any output. If used incorrectly and/or not cited improperly, this is considered a form of plagiarism and will incur the penalty previously mentioned above in the Academic

Integrity Section.

Even when properly citing AI, no more than 20% of your submission can be AI or it will also be considered an academic integrity violation. If I find a submission suspect, I will follow the same sanctions as written in the above section on plagiarism. We will talk more about this throughout the course.

Instructor Responsibilities and Feedback

The instructor is responsible for responding to student questions about assignments, projects, and the course material presented and providing additional resources to enhance understanding of course material. Timely feedback is essential for student success, and the instructor is responsible for providing timely feedback throughout the course. The instructor will grade submitted assignments and post grades for students within 10 days of the assignment's due date.

Virtual Classroom Citizenship

The same guidelines that apply to traditional classes should be observed in the virtual classroom environment. Please use proper netiquette when interacting with class members and the professor.

Rules of Engagement

Rules of engagement refer to how students are expected to interact with each other and 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 based on 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 respectfully in any online or face-to-face communication, even when their opinions differ.
- 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.
- Remember that online posts can be permanent, so think before you type. See these Engagement Guidelines (https://clear.unt.edu/online-communication-tips) for more information.

Incompletes

This course will observe the UNT policy on incompletes, found here:
http://registrar.unt.edu/grades/incompletes

Add/Drop Policy

The University of North Texas Add Drop Policy can be found at the following link:
http://registrar.unt.edu/registration/fall-add-drop

Policy on Server Unavailability or Other Technical Difficulties

The University is committed to providing all users with a reliable online course system. 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 contact the UNT Student Help Desk: helpdesk@unt.edu or 940.565.2324. The instructor and the UNT Student Help Desk will work with the student to resolve any issues immediately.

Copyright Notice

Some or all of this course's materials may be protected by copyright. Federal copyright law prohibits the reproduction, distribution, public performance, or public display of copyrighted materials without the express and written permission of the copyright owner unless fair use or another exemption under copyright law applies. Additional copyright information may be located at http://copyright.unt.edu.

Graduate Online Course Attendance Policy

Students are expected to participate actively each week and meet all course assignment deadlines as detailed in the Course Calendar. *Information about the University of Texas' Attendance Policy may be found at http://policy.unt.edu/policy/15-2-5.*

Administrative Withdrawal

This course will observe the UNT policy on academic withdrawal found here:
https://deanofstudents.unt.edu/withdrawals

Syllabus Change Policy

Changes to the course syllabus or due dates are not anticipated. Still, should they be necessary, the instructor will provide ample notification to students to allow them to complete assignments promptly without penalty.

UNT GENERAL POLICIES

Student Conduct and Discipline: *Student Handbook*.

You are encouraged to familiarize yourself with the University's Policy of Academic Dishonesty in the *Student Handbook*. The content of the Handbook applies to this course. If you are in doubt regarding the requirements, please consult me before completing any course requirements.

The UNT Code of Student Conduct can be found here:
https://deanofstudents.unt.edu/sites/default/files/code_of_student_conduct.pdf.

ADA Policy

The University of North Texas makes reasonable academic accommodations for students with disabilities. Students seeking accommodation must register with the Office of Disability Accommodation (ODA) to verify their eligibility. If a disability is verified, the ODA will provide you with an accommodation letter to the faculty to begin a private discussion regarding your specific needs in a course. ... Note that students must obtain a new letter of accommodation for every semester and meet with each faculty member before implementation in each class. Students are strongly encouraged to deliver letters of accommodation during faculty office hours or by appointment. Faculty members have the authority to ask students to discuss such letters during their designated office hours to protect the privacy of the student. For additional information, see the Office of Disability Accommodation website at http://disability.unt.edu/. *You may also contact them by phone at 940.565.4323.*

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.

Data Analytics and Statistics–College of Science–University of North Texas

Emergency Notification & Procedures

UNT uses Eagle Alert to quickly notify students with critical information during 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.

Retention of Student Records

Student records about this course are maintained securely by the instructor of record. All records, such as exams, answer sheets (with keys), and written papers submitted during the course, are kept for at least one calendar year after course completion. Coursework completed via the Canvas online system, including grading information and comments, is stored in a safe electronic environment for one year. Students have the right to view their 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, 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' learning opportunities 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. 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. Visit UNT's Code of Student 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 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 emails to Eagle Connect (https://it.unt.edu/eagleconnect).

Student Evaluation Administration Dates

Student feedback is 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 from November 15 – December 2 to allow students to evaluate how this course is taught. Students will receive an email with the survey link from "UNT SPOT Course Evaluations via IA System Notification" (noreply@iasystem.org). Students should look for the email in their UNT email inbox. Click on the link and complete the survey. Once students complete the survey, they will receive a confirmation email that it has been submitted. For additional information, please visit the SPOT website (http://spot.unt.edu/) or email spot@unt.edu.

Data Analytics and Statistics–College of Science–University of North Texas

Sexual Assault Prevention

UNT is committed to providing a safe learning environment free 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 based on sex and therefore prohibit sexual misconduct. If you or someone you know is experiencing sexual harassment, relationship violence, stalking, and/or sexual assault, campus resources are available to support and assist. 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 or by 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 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 visit the Electronic Code of Federal Regulations website at http://www.oea.gov/index.php/links/electronic-code-of-federal-regulations. The specific portion concerning distance education courses is located at "Title 8 CFR 214.2 Paragraph (f) (6) (i) (G)" and can be found buried within this document: http://www.gpo.gov/fdsys/pkg/CFR-2012-title8vol1/xml/CFR-2012-title8-vol1-sec214-2.xml

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 the completion of the class.

The 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 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 experiences integral to completing 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.

Data Analytics and Statistics–College of Science–University of North Texas

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 940-5652195 or email internationaladvising@unt.edu) to get clarification before the one-week deadline.

Student Verification

UNT takes measures to protect the integrity of educational credentials awarded to students enrolled in distance education courses by verifying student identity, protecting student privacy, and notifying

students of any special meeting times/locations or additional charges associated with student identity verification in distance education courses.

See UNT Policy 07-002 Student Identity Verification, Privacy, and Notification and Distance Education Courses (https://policy.unt.edu/policy/07-002).

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.
- 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. Still, all classes will be recorded for this and possibly future classes for study purposes only.

Class Recordings & Student Likenesses

All the video recordings in this course, including lecture videos and live class activity recordings, are for students enrolled in the 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 for educational purposes. Students may not post or otherwise share the recordings outside the class or the Canvas Learning Management System in any form. Failing to follow this restriction violates the UNT Code of Student Conduct and could lead to disciplinary action.

Data Analytics and Statistics–College of Science–University of North Texas

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-andwellness-center)
- Counseling and Testing Services (https://studentaffairs.unt.edu/counseling-and-testingservices)
- UNT Care Team (https://studentaffairs.unt.edu/care)
- UNT Psychiatric Services (https://studentaffairs.unt.edu/student-health-and-wellness center/services/psychiatry)
- 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. Please let the instructor know if you have a chosen name different from your legal name and would like that to be used in class. 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.

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

Academic Support Services

Data Analytics and Statistics–College of Science–University of North Texas

- [Academic Resource Center](https://clear.unt.edu/canvas/student-resources)
- [Academic Success Center](https://success.unt.edu/asc)
- [UNT Libraries](https://library.unt.edu/)
- [Data Science Reference Librarian Deborah Caldwell](#)
- [Writing Lab](http://writingcenter.unt.edu/)